



## Disclaimer

The following report provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, post market studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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## Overview for Request: cder\_mpl1r\_wp107

**Request ID:** cder\_mpl1r\_wp107

**Request Description:** In this report, we report counts and baseline characteristics of users of pegylated liposomal doxorubicin and non-liposomal doxorubicin in the Sentinel Distributed Database (SDD).

**Sentinel Routine Querying Module:** Cohort Identification and Descriptive Analysis (CIDA) module, version 5.4.4

**Data Source:** We distributed this request to 17 Data Partners on September 26, 2018. The study period included data from January 1, 2011 to June 30, 2018. Please see Appendix A for a list of dates of available data for each Data Partner.

**Study Design:** We identified the total number of prevalent users of pegylated liposomal doxorubicin and non-liposomal doxorubicin. We also identified the total number of treatment episodes among identified pegylated liposomal doxorubicin and non-liposomal doxorubicin users. Data were stratified by age, sex, and calendar year. This is a Type 1 analysis in the Query Request Package (QRP) documentation.

**Exposures of Interest:** The exposures of interest in this request were pegylated liposomal doxorubicin and non-liposomal doxorubicin. We defined exposure to pegylated liposomal doxorubicin and non-liposomal doxorubicin using National Drug Codes (NDCs) and Healthcare Common Procedure Coding System (HCPCS) codes. We categorized pegylated liposomal doxorubicin NDCs by both brand name and manufacturer. See Appendix B for a list of generic and brand names of medical products and Appendix C for a list of HCPCS procedure codes used to define exposures in this request.

**Cohort Eligibility Criteria:** We required members to be continuously enrolled in health plans with medical coverage for at least 183 days prior to their qualifying exposure (index) date, during which gaps in coverage of up to 45 days were allowed. Cohort re-entry was allowed; users could contribute multiple episodes during the query period. We included the following age groups in the cohorts: 0-17, 18-64, and 65+ years.

**Baseline Characteristics:** We assessed the following characteristics on the date of index exposure: age, sex, and year. We assessed the recorded history of ovarian cancer, Kaposi's sarcoma, multiple myeloma, breast cancer, other cancers, and the absence of cancer indications in the 183 days prior to exposure. See Appendix D for a list of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes used to define baseline characteristics.

**Please see Appendix E for the specifications of parameters used in the analyses for this request.**

**Limitations:** Algorithms used to define exposures and baseline characteristics are imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with these limitations in mind.

**Notes:** Please contact the Sentinel Operations Center ([info@sentinelssystem.org](mailto:info@sentinelssystem.org)) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/SENTINEL/repos/sentinel-routine-querying-tool-documentation/browse>).

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**Glossary of Terms for Analyses Using  
Cohort Identification and Descriptive Analysis (CIDA) Module\***

**Amount Supplied** - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

**Blackout Period** - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

**Care Setting** - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

**Ambulatory Visit (AV)** - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

**Emergency Department (ED)** - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

**Inpatient Hospital Stay (IP)** - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

**Non-Acute Institutional Stay (IS)** - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

**Other Ambulatory Visit (OA)** - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

**Charlson/Elixhauser Combined Comorbidity Score** - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

**Code Days** - the minimum number of times the diagnosis must be found during the evaluation period in order to fulfill the algorithm to identify the corresponding patient characteristic.

**Cohort Definition (drug/exposure)** - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

**Computed Start Marketing Date** - represents the first observed dispensing date among all valid users within a GROUP (scenario) within each Data Partner site.

**Days Supplied** - number of days supplied for all dispensings in qualifying treatment episodes.

**Eligible Members** - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

**Enrollment Gap** - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

**Episodes** - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

**Episode Gap** - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

**Event Deduplication** - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

**Exposure Episode Length** - number of days after exposure initiation that is considered "exposed time."

**Exposure Extension Period** - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

**Lookback Period** - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

**Maximum Episode Duration** - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Member-Years** - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

**Minimum Days Supplied** - specifies a minimum number of days in length of the days supplied for the episode to be considered.

**Minimum Episode Duration** - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Monitoring Period** - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

**Principal Diagnosis (PDX)** - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

**Query Period** - period in which the modular program looks for exposures and outcomes of interest.

**Switch Evaluation Step Value** - value used to differentiate evaluation step. Each switch pattern can support up to 2 evaluation steps (0 = switch pattern evaluation start; 1 = first evaluation; 2 = second evaluation).

**Switch Gap Inclusion Indicator** - indicator for whether gaps in treatment episodes that are included in a switch episode will be counted as part of the switch episode duration.

**Switch Pattern Cohort Inclusion Date** - indicates which date to use for inclusion into the switch pattern cohort of interest as well as optionally as the index date of the treatment episode initiating the switch pattern. Valid options are the product approval date, product marketing date, other requester defined date, or computed start marketing date.

**Switch Pattern Cohort Inclusion Strategy** - indicates how the switch pattern cohort inclusion date will be used: 01: used only as a switch cohort entry date. First treatment episode dispensing date is used as index for computing time to first switch; 02: used as switch cohort entry date and as initial switch step index date for computing time to first switch.

**Treatment Episode Truncation Indicator** - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

**Washout Period (drug/exposure)** - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

**Washout Period (event/outcome)** - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

**Years at Risk** - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

\*all terms may not be used in this report

**Table 1a. Baseline Characteristics for Users of Pegylated Liposomal Doxorubicin and Non-Liposomal Doxorubicin, defined using National Drug Codes (NDCs) as Dispensings or Procedure Codes, in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, by Brand Name and Manufacturer**

| Characteristic <sup>1</sup> | Pegylated Liposomal Doxorubicin |                    |            |                    |             |                    |         |                    | Non-Liposomal Doxorubicin |                    |
|-----------------------------|---------------------------------|--------------------|------------|--------------------|-------------|--------------------|---------|--------------------|---------------------------|--------------------|
|                             | Doxil                           |                    | Sun Pharma |                    | Dr. Reddy's |                    | Lipodox |                    | Doxorubicin HCl           |                    |
|                             | Number                          | Percent            | Number     | Percent            | Number      | Percent            | Number  | Percent            | Number                    | Percent            |
| Number of episodes          | 9,451                           | 100.0%             | 6,285      | 100.0%             | 181         | 100.0%             | 2,072   | 100.0%             | 96,441                    | 100.0%             |
| Number of unique patients   | 2,542                           | 100.0%             | 1,778      | 100.0%             | 98          | 100.0%             | 494     | 100.0%             | 23,748                    | 100.0%             |
| Demographics                | Mean                            | Standard Deviation | Mean       | Standard Deviation | Mean        | Standard Deviation | Mean    | Standard Deviation | Mean                      | Standard Deviation |
| Mean Age (Years)            | 63.5                            | 11.9               | 63.4       | 12.0               | 64.3        | 11.8               | 64.0    | 11.4               | 54.3                      | 15.8               |
| Age (Years)                 | Number                          | Percent            | Number     | Percent            | Number      | Percent            | Number  | Percent            | Number                    | Percent            |
| 0-17                        | 21                              | 0.2%               | *****      | *****              | 0           | 0.0%               | *****   | *****              | 2,140                     | 2.2%               |
| 18-64                       | 5,043                           | 53.4%              | 3,519      | 56.0%              | 97          | 53.6%              | 1,094   | 52.8%              | 70,140                    | 72.7%              |
| 65+                         | 4,387                           | 46.4%              | *****      | *****              | 84          | 46.4%              | *****   | *****              | 24,161                    | 25.1%              |
| Sex                         |                                 |                    |            |                    |             |                    |         |                    |                           |                    |
| Female                      | 2,227                           | 87.6%              | 1,572      | 88.4%              | *****       | *****              | 427     | 86.4%              | 17,339                    | 73.0%              |
| Male                        | 315                             | 12.4%              | 206        | 11.6%              | *****       | *****              | 67      | 13.6%              | *****                     | *****              |
| Other                       | 0                               | 0.0%               | 0          | 0.0%               | 0           | 0.0%               | 0       | 0.0%               | *****                     | *****              |
| Year                        |                                 |                    |            |                    |             |                    |         |                    |                           |                    |
| 2011                        | 957                             | 10.1%              | 0          | 0.0%               | 0           | 0.0%               | 0       | 0.0%               | 10,266                    | 10.6%              |
| 2012                        | 834                             | 8.8%               | 0          | 0.0%               | 0           | 0.0%               | 709     | 34.2%              | 10,233                    | 10.6%              |
| 2013                        | 1,458                           | 15.4%              | 321        | 5.1%               | 0           | 0.0%               | 793     | 38.3%              | 10,820                    | 11.2%              |
| 2014                        | 1,192                           | 12.6%              | 1,269      | 20.2%              | 0           | 0.0%               | 318     | 15.3%              | 13,082                    | 13.6%              |
| 2015                        | 1,372                           | 14.5%              | 1,522      | 24.2%              | 0           | 0.0%               | 158     | 7.6%               | 14,732                    | 15.3%              |
| 2016                        | 1,908                           | 20.2%              | 1,664      | 26.5%              | 0           | 0.0%               | 49      | 2.4%               | 17,399                    | 18.0%              |
| 2017                        | 1,606                           | 17.0%              | 1,461      | 23.2%              | 134         | 74.0%              | *****   | *****              | 17,977                    | 18.6%              |
| 2018                        | 124                             | 1.3%               | 48         | 0.8%               | 47          | 26.0%              | *****   | *****              | 1,932                     | 2.0%               |

**Table 1a. Baseline Characteristics for Users of Pegylated Liposomal Doxorubicin and Non-Liposomal Doxorubicin, defined using National Drug Codes (NDCs) as Dispensings or Procedure Codes, in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, by Brand Name and Manufacturer**

|  | Pegylated Liposomal Doxorubicin |                |               |                |               |                |               |                | Non-Liposomal Doxorubicin |                |
|--|---------------------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------------------|----------------|
|  | Doxil                           |                | Sun Pharma    |                | Dr. Reddy's   |                | Lipodox       |                | Doxorubicin HCl           |                |
| <b>Recorded History of Characteristics in the 183 Days prior to Index:</b> | <b>Number</b>                   | <b>Percent</b> | <b>Number</b> | <b>Percent</b> | <b>Number</b> | <b>Percent</b> | <b>Number</b> | <b>Percent</b> | <b>Number</b>             | <b>Percent</b> |
| Ovarian cancer   | 4,453                           | 47.1%          | 3,054         | 48.6%          | 98            | 54.1%          | 822           | 39.7%          | 802                       | 0.8%           |
| Kaposi's sarcoma   | 427                             | 4.5%           | 306           | 4.9%           | *****         | *****          | 45            | 2.2%           | 287                       | 0.3%           |
| Multiple myeloma   | 1,205                           | 12.7%          | 421           | 6.7%           | *****         | *****          | 728           | 35.1%          | 1,137                     | 1.2%           |
| Breast cancer  | 2,323                           | 24.6%          | 1,611         | 25.6%          | 50            | 27.6%          | 323           | 15.6%          | 44,996                    | 46.7%          |
| Other cancers  | 7,457                           | 78.9%          | 5,218         | 83.0%          | 166           | 91.7%          | 1,392         | 67.2%          | 79,469                    | 82.4%          |
| No observed indication of cancer   | 29                              | 0.3%           | 19            | 0.3%           | 0             | 0.0%           | 0             | 0.0%           | 406                       | 0.4%           |

<sup>1</sup>All metrics are based on total number of episodes per cohort, except for sex which is based on total number of unique patients.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1b. Baseline Characteristics for Users of Pegylated Liposomal Doxorubicin and Non-Liposomal Doxorubicin, defined using National Drug Codes (NDCs) as Procedure Codes Only<sup>1</sup>, in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, by Brand Name and Manufacturer**

| Characteristic <sup>2</sup>     | Pegylated Liposomal Doxorubicin |                    |            |                    |             |                    | Non-Liposomal Doxorubicin |                    |                 |                    |
|---------------------------------|---------------------------------|--------------------|------------|--------------------|-------------|--------------------|---------------------------|--------------------|-----------------|--------------------|
|                                 | Doxil                           |                    | Sun Pharma |                    | Dr. Reddy's |                    | Lipodox                   |                    | Doxorubicin HCl |                    |
|                                 | Number                          | Percent            | Number     | Percent            | Number      | Percent            | Number                    | Percent            | Number          | Percent            |
| Number of episodes <sup>3</sup> | 8,580                           | 100.0%             | 5,363      | 100.0%             | 156         | 100.0%             | 1,782                     | 100.0%             | 85,268          | 100.0%             |
| Number of unique patients       | 2,290                           | 100.0%             | 1,548      | 100.0%             | 86          | 100.0%             | 406                       | 100.0%             | 21,078          | 100.0%             |
| Demographics                    | Mean                            | Standard Deviation | Mean       | Standard Deviation | Mean        | Standard Deviation | Mean                      | Standard Deviation | Mean            | Standard Deviation |
| Mean Age (Years)                | 63.1                            | 12.0               | 62.4       | 12.5               | 63.0        | 12.0               | 64.0                      | 11.7               | 53.5            | 16.1               |
| Age (Years)                     | Number                          | Percent            | Number     | Percent            | Number      | Percent            | Number                    | Percent            | Number          | Percent            |
| 0-17                            | 21                              | 0.2%               | *****      | *****              | 0           | 0.0%               | 12                        | 0.7%               | 2,118           | 2.5%               |
| 18-64                           | 4,717                           | 55.0%              | 3,252      | 60.6%              | 92          | 59.0%              | 922                       | 51.7%              | 64,117          | 75.2%              |
| 65+                             | 3,842                           | 44.8%              | *****      | *****              | 64          | 41.0%              | 848                       | 47.6%              | 19,033          | 22.3%              |
| Sex                             |                                 |                    |            |                    |             |                    |                           |                    |                 |                    |
| Female                          | 2,010                           | 87.8%              | 1,370      | 88.5%              | *****       | *****              | 348                       | 85.7%              | 15,381          | 73.0%              |
| Male                            | 280                             | 12.2%              | 178        | 11.5%              | *****       | *****              | 58                        | 14.3%              | *****           | *****              |
| Other                           | 0                               | 0.0%               | 0          | 0.0%               | 0           | 0.0%               | 0                         | 0.0%               | *****           | *****              |
| Year                            |                                 |                    |            |                    |             |                    |                           |                    |                 |                    |
| 2011                            | 701                             | 8.2%               | 0          | 0.0%               | 0           | 0.0%               | 0                         | 0.0%               | 7,993           | 9.4%               |
| 2012                            | 776                             | 9.0%               | 0          | 0.0%               | 0           | 0.0%               | 495                       | 27.8%              | 7,764           | 9.1%               |
| 2013                            | 1,311                           | 15.3%              | 237        | 4.4%               | 0           | 0.0%               | 717                       | 40.2%              | 9,536           | 11.2%              |
| 2014                            | 1,080                           | 12.6%              | 986        | 18.4%              | 0           | 0.0%               | 318                       | 17.8%              | 11,711          | 13.7%              |
| 2015                            | 1,232                           | 14.4%              | 1,283      | 23.9%              | 0           | 0.0%               | 158                       | 8.9%               | 13,306          | 15.6%              |
| 2016                            | 1,769                           | 20.6%              | 1,428      | 26.6%              | 0           | 0.0%               | 49                        | 2.7%               | 15,808          | 18.5%              |
| 2017                            | 1,587                           | 18.5%              | 1,383      | 25.8%              | 110         | 70.5%              | *****                     | *****              | 17,233          | 20.2%              |
| 2018                            | 124                             | 1.4%               | 46         | 0.9%               | 46          | 29.5%              | *****                     | *****              | 1,917           | 2.2%               |



**Table 1b. Baseline Characteristics for Users of Pegylated Liposomal Doxorubicin and Non-Liposomal Doxorubicin, defined using National Drug Codes (NDCs) as Procedure Codes Only<sup>1</sup>, in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, by Brand Name and Manufacturer**

|  | Pegylated Liposomal Doxorubicin |         |            |         |             |         |         |         | Non-Liposomal Doxorubicin |         |
|--|---------------------------------|---------|------------|---------|-------------|---------|---------|---------|---------------------------|---------|
|  | Doxil                           |         | Sun Pharma |         | Dr. Reddy's |         | Lipodox |         | Doxorubicin HCl           |         |
| <b>Recorded History of Characteristics in the 183 Days prior to Index:</b>         | Number                          | Percent | Number     | Percent | Number      | Percent | Number  | Percent | Number                    | Percent |
| Ovarian cancer   | 4,052                           | 47.2%   | 2,594      | 48.4%   | 87          | 55.8%   | 665     | 37.3%   | 691                       | 0.8%    |
| Kaposi's sarcoma   | 367                             | 4.3%    | 260        | 4.8%    | *****       | *****   | 33      | 1.9%    | 265                       | 0.3%    |
| Multiple myeloma   | 1,106                           | 12.9%   | 309        | 5.8%    | 0           | 0.0%    | 706     | 39.6%   | 952                       | 1.1%    |
| Breast cancer  | 2,154                           | 25.1%   | 1,390      | 25.9%   | 47          | 30.1%   | 241     | 13.5%   | 40,051                    | 47.0%   |
| Other cancers  | 6,738                           | 78.5%   | 4,501      | 83.9%   | 143         | 91.7%   | 1,138   | 63.9%   | 70,036                    | 82.1%   |
| No observed indication of cancer   | 24                              | 0.3%    | 19         | 0.4%    | 0           | 0.0%    | 0       | 0.0%    | 390                       | 0.5%    |
| <b>Distribution of Encounter Types among Index-Defining Codes<sup>1,4,5</sup>:</b> | Number                          | Percent | Number     | Percent | Number      | Percent | Number  | Percent | Number                    | Percent |
| Ambulatory encounters (AV)   | 8,606                           | N/A     | 5,401      | N/A     | 163         | N/A     | 1,780   | N/A     | 83,700                    | N/A     |
| Emergency room encounters (ED)   | *****                           | N/A     | 0          | N/A     | 0           | N/A     | 0       | N/A     | 14                        | N/A     |
| Inpatient hospital encounters (IP)   | 18                              | N/A     | *****      | N/A     | 0           | N/A     | *****   | N/A     | 453                       | N/A     |
| Non-acute institutional encounters (IS)  | *****                           | N/A     | *****      | N/A     | 0           | N/A     | 0       | N/A     | 24                        | N/A     |
| Other ambulatory encounters (OA)   | 60                              | N/A     | 33         | N/A     | 0           | N/A     | *****   | N/A     | 1,682                     | N/A     |

<sup>1</sup>Only two Data Partners populate National Drug Codes (NDCs) in the procedure table.

<sup>2</sup>All metrics are based on total number of episodes per cohort, except for sex which is based on total number of unique patients.

<sup>3</sup>The stockpiling algorithm adjusts dispensing dates to ensure non-overlapping days supply within a treatment episode. The algorithm stockpiles on generic name for NDC codes.

<sup>4</sup>Encounter types are not mutually exclusive. Same-day dispensings among different encounter types are attributed to the same episode via the stockpiling algorithm, but retain both encounter types in the distribution. For example, a liposomal doxorubicin dispensing as an AV encounter and a liposomal doxorubicin dispensing as an ED encounter on the same day account for one episode, but are counted as both an AV encounter and an ED encounter.

<sup>5</sup>The "envelope macro" in the analytic program reclassifies AV, ED, and OA encounters that occur during an inpatient stay as IP encounters. When an encounter is reclassified as IP, it is not processed in the distribution of index-defining codes and is not reported here.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1c. Baseline Characteristics for Users of Pegylated Liposomal Doxorubicin and Non-Liposomal Doxorubicin, defined using Healthcare Common Procedure Coding System (HCPCS) Codes Only, in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, by Index-Defining HCPCS Code**

| Characteristic <sup>1</sup> | Pegylated Liposomal Doxorubicin |                    |        |                    |        |                    |        |                    |         |                    | Non-Liposomal Doxorubicin |                    |
|-----------------------------|---------------------------------|--------------------|--------|--------------------|--------|--------------------|--------|--------------------|---------|--------------------|---------------------------|--------------------|
|                             | J9001                           |                    | J9002  |                    | Q2048  |                    | Q2049  |                    | Q2050   |                    | J9000                     |                    |
|                             | Number                          | Percent            | Number | Percent            | Number | Percent            | Number | Percent            | Number  | Percent            | Number                    | Percent            |
| Number of episodes          | 24,274                          | 100.0%             | 12,292 | 100.0%             | 5,915  | 100.0%             | 19,290 | 100.0%             | 105,701 | 100.0%             | 673,504                   | 100.0%             |
| Number of unique patients   | 7,750                           | 100.0%             | 4,645  | 100.0%             | 2,717  | 100.0%             | 5,771  | 100.0%             | 26,308  | 100.0%             | 173,971                   | 100.0%             |
| Demographics                | Mean                            | Standard Deviation | Mean   | Standard Deviation | Mean   | Standard Deviation | Mean   | Standard Deviation | Mean    | Standard Deviation | Mean                      | Standard Deviation |
| Mean Age (Years)            | 66.2                            | 11.6               | 66.3   | 10.8               | 67.8   | 10.9               | 67.4   | 10.7               | 67.5    | 10.6               | 59.2                      | 14.0               |
| Age (Years)                 | Number                          | Percent            | Number | Percent            | Number | Percent            | Number | Percent            | Number  | Percent            | Number                    | Percent            |
| 0-17                        | 51                              | 0.2%               | *****  | *****              | 0      | 0.0%               | 12     | 0.1%               | 59      | 0.1%               | 10,710                    | 1.6%               |
| 18-64                       | 9,415                           | 38.8%              | *****  | *****              | 1,780  | 30.1%              | 6,285  | 32.6%              | 35,278  | 33.4%              | 371,005                   | 55.1%              |
| 65+                         | 14,808                          | 61.0%              | 7,678  | 62.5%              | 4,135  | 69.9%              | 12,993 | 67.4%              | 70,364  | 66.6%              | 291,789                   | 43.3%              |
| Sex                         |                                 |                    |        |                    |        |                    |        |                    |         |                    |                           |                    |
| Female                      | 6,568                           | 84.7%              | 4,201  | 90.4%              | 2,418  | 89.0%              | 5,255  | 91.1%              | 23,967  | 91.1%              | 115,083                   | 66.2%              |
| Male                        | 1,182                           | 15.3%              | 444    | 9.6%               | 299    | 11.0%              | 516    | 8.9%               | 2,341   | 8.9%               | *****                     | *****              |
| Other                       | 0                               | 0.0%               | 0      | 0.0%               | 0      | 0.0%               | 0      | 0.0%               | 0       | 0.0%               | *****                     | *****              |
| Year                        |                                 |                    |        |                    |        |                    |        |                    |         |                    |                           |                    |
| 2011                        | 18,330                          | 75.5%              | 0      | 0.0%               | *****  | *****              | 0      | 0.0%               | 0       | 0.0%               | 94,657                    | 14.1%              |
| 2012                        | 5,917                           | 24.4%              | *****  | *****              | 5,901  | 99.8%              | 5,047  | 26.2%              | 0       | 0.0%               | 99,318                    | 14.7%              |
| 2013                        | *****                           | *****              | 12,272 | 99.8%              | *****  | *****              | 6,009  | 31.2%              | 11,493  | 10.9%              | 98,360                    | 14.6%              |
| 2014                        | *****                           | *****              | *****  | *****              | 0      | 0.0%               | 3,736  | 19.4%              | 25,558  | 24.2%              | 102,881                   | 15.3%              |
| 2015                        | *****                           | *****              | *****  | *****              | 0      | 0.0%               | 2,455  | 12.7%              | 28,382  | 26.9%              | 105,791                   | 15.7%              |
| 2016                        | *****                           | *****              | 0      | 0.0%               | 0      | 0.0%               | 1,727  | 9.0%               | 29,666  | 28.1%              | 107,922                   | 16.0%              |
| 2017                        | 0                               | 0.0%               | 0      | 0.0%               | 0      | 0.0%               | 299    | 1.6%               | 9,859   | 9.3%               | 59,380                    | 8.8%               |
| 2018                        | 0                               | 0.0%               | 0      | 0.0%               | 0      | 0.0%               | 17     | 0.1%               | 743     | 0.7%               | 5,195                     | 0.8%               |

**Table 1c. Baseline Characteristics for Users of Pegylated Liposomal Doxorubicin and Non-Liposomal Doxorubicin, defined using Healthcare Common Procedure Coding System (HCPCS) Codes Only, in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, by Index-Defining HCPCS Code**

|  | Pegylated Liposomal Doxorubicin |         |        |         |        |         |        |         |         |         | Non-Liposomal Doxorubicin |         |
|--|---------------------------------|---------|--------|---------|--------|---------|--------|---------|---------|---------|---------------------------|---------|
|  | J9001                           |         | J9002  |         | Q2048  |         | Q2049  |         | Q2050   |         | J9000                     |         |
| <b>Recorded History of Characteristics in the 183 Days prior to Index:</b>     | Number                          | Percent | Number | Percent | Number | Percent | Number | Percent | Number  | Percent | Number                    | Percent |
| Ovarian cancer   | 12,177                          | 50.2%   | 7,192  | 58.5%   | 3,518  | 59.5%   | 11,449 | 59.4%   | 59,253  | 56.1%   | 7,631                     | 1.1%    |
| Kaposi's sarcoma   | 1,031                           | 4.2%    | 397    | 3.2%    | 196    | 3.3%    | 393    | 2.0%    | 3,491   | 3.3%    | 1,630                     | 0.2%    |
| Multiple myeloma   | 2,881                           | 11.9%   | 574    | 4.7%    | 399    | 6.7%    | 1,325  | 6.9%    | 4,140   | 3.9%    | 10,345                    | 1.5%    |
| Breast cancer  | 6,047                           | 24.9%   | 3,103  | 25.2%   | 1,262  | 21.3%   | 4,436  | 23.0%   | 24,952  | 23.6%   | 275,003                   | 40.8%   |
| Other cancers  | 19,533                          | 80.5%   | 10,178 | 82.8%   | 4,879  | 82.5%   | 15,945 | 82.7%   | 90,259  | 85.4%   | 581,333                   | 86.3%   |
| No observed indication of cancer   | 14                              | 0.1%    | 11     | 0.1%    | 21     | 0.4%    | 111    | 0.6%    | 250     | 0.2%    | 571                       | 0.1%    |
| <b>Distribution of Encounter Types among Index-Defining Codes<sup>2</sup>:</b> | Number                          | Percent | Number | Percent | Number | Percent | Number | Percent | Number  | Percent | Number                    | Percent |
| Ambulatory encounters (AV)   | 23,769                          | 97.9%   | 12,057 | 98.1%   | 5,821  | 98.4%   | 18,883 | 97.9%   | 103,644 | 98.1%   | 650,327                   | 96.6%   |
| Emergency room encounters (ED)   | 26                              | 0.1%    | *****  | *****   | *****  | *****   | *****  | *****   | 139     | 0.1%    | 1,095                     | 0.2%    |
| Inpatient hospital encounters (IP)   | 32                              | 0.1%    | *****  | *****   | *****  | *****   | *****  | *****   | 72      | 0.1%    | 2,125                     | 0.3%    |
| Non-acute institutional encounters (IS)  | 181                             | 0.7%    | 96     | 0.8%    | 39     | 0.7%    | 190    | 1.0%    | 1,155   | 1.1%    | 9,110                     | 1.4%    |
| Other ambulatory encounters (OA)   | 251                             | 1.0%    | 107    | 0.9%    | 34     | 0.6%    | 178    | 0.9%    | 624     | 0.6%    | 10,031                    | 1.5%    |

<sup>1</sup>All metrics are based on total number of episodes per cohort, except for sex which is based on total number of unique patients.

<sup>2</sup>The "envelope macro" in the analytic program reclassifies AV, ED, and OA encounters that occur during an inpatient stay as IP encounters. When an encounter is reclassified as IP, it is not processed in the distribution of index-defining codes and is not reported here.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1d. Baseline Characteristics for Users of Any Pegylated Liposomal Doxorubicin, defined using National Drug Codes (NDCs) and Healthcare Common Procedure Coding System (HCPCS) Codes, in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, Overall**

| Characteristic <sup>1</sup>   | Number  | Percent            |
|---|---------|--------------------|
| Number of episodes <sup>2</sup>   | 171,707 | 100.0%             |
| Number of unique patients   | 41,947  | 100.0%             |
| Demographics  | Mean    | Standard Deviation |
| Mean Age (Years)  | 67.1    | 10.8               |
| Age (Years)   | Number  | Percent            |
| 0-17  | 136     | 0.1%               |
| 18-64   | 59,773  | 34.8%              |
| 65+   | 111,798 | 65.1%              |
| Sex   |         |                    |
| Female  | 37,615  | 89.7%              |
| Male  | 4,332   | 10.3%              |
| Other   | 0       | 0.0%               |
| Year  |         |                    |
| 2011  | 19,132  | 11.1%              |
| 2012  | 17,620  | 10.3%              |
| 2013  | 31,024  | 18.1%              |
| 2014  | 29,742  | 17.3%              |
| 2015  | 31,237  | 18.2%              |
| 2016  | 31,812  | 18.5%              |
| 2017  | 10,351  | 6.0%               |
| 2018  | 789     | 0.5%               |
| Recorded History of Characteristics in the 183 Days prior to Index:         |         |                    |
| Ovarian cancer  | 95,435  | 55.6%              |
| Kaposi's sarcoma  | 5,696   | 3.3%               |
| Multiple myeloma  | 9,819   | 5.7%               |
| Breast cancer   | 40,913  | 23.8%              |
| Other cancers   | 144,105 | 83.9%              |
| No observed indication of cancer  | 421     | 0.2%               |
| Distribution of encounter types among index-defining codes <sup>3,4</sup> : |         |                    |
| Ambulatory encounters (AV)  | 179,858 | N/A                |
| Emergency room encounters (ED)  | 212     | N/A                |
| Inpatient hospital encounters (IP)  | 158     | N/A                |
| Non-acute institutional encounters (IS)                                     | 1,665   | N/A                |
| Other ambulatory encounters (OA)  | 1,289   | N/A                |

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients.

<sup>2</sup>The stockpiling algorithm adjusts dispensing dates to ensure non-overlapping days supply within a treatment episode. The algorithm stockpiles on generic name for NDC codes. Doxil, Sun Pharma Manufacturer, Dr. Reddy's Manufacturer, and Lipodox all have the same generic name, so stockpiling may be applied across these NDC codes to define treatment episodes for any liposomal doxorubicin use. Therefore, different codes (NDC and HCPCS or two of one kind) occurring on the same day are only counted as one episode.

<sup>3</sup>Encounter types are not mutually exclusive. Same-day dispensings of codes in different settings are counted as one episode via the stockpiling algorithm, but both encounter types are reported in this distribution. For example, a liposomal doxorubicin dispensing as an AV encounter and a liposomal doxorubicin dispensing as an ED encounter on the same day account for one episode, but are counted as both an AV encounter and an ED encounter.

<sup>4</sup>The "envelope macro" in the analytic program reclassifies AV, ED, and OA encounters that occur during an inpatient stay as IP encounters. When an encounter is reclassified as IP, it is not processed in the distribution of index-defining codes and is not reported here.

**Table 2. Summary of Users of Pegylated Liposomal Doxorubicin and Non-Liposomal Doxorubicin in the Sentinel Distributed Database (SDD) between January 1, 2011 and June 30, 2018, by Code Type**

|   | Number of Members | Number of Episodes | Eligible Members <sup>1</sup> | Number of Exposed Members per 10,000 Eligible Members |
|---|-------------------|--------------------|-------------------------------|---|
| <b>National Drug Code (NDC) as Dispensings or Procedure Codes</b>   |                   |                    |                               |   |
| <b>Pegylated Liposomal Doxorubicin</b>                              |                   |                    |                               |   |
| Doxil   | 2,542             | 9,451              | 204,142,225                   | 0.12  |
| Sun Pharma Manufacturer   | 1,778             | 6,285              | 204,142,225                   | 0.09  |
| Dr. Reddy's Manufacturer  | 98                | 181                | 204,142,225                   | 0.00  |
| Lipodox   | 494               | 2,072              | 204,142,225                   | 0.02  |
| <b>Non-Liposomal Doxorubicin</b>                                    |                   |                    |                               |   |
| Doxorubicin Hydrochloride   | 23,748            | 96,441             | 204,142,225                   | 1.16  |
| <b>NDC as Procedure Codes Only</b>                                  |                   |                    |                               |   |
| <b>Pegylated Liposomal Doxorubicin</b>                              |                   |                    |                               |   |
| Doxil   | 2,290             | 8,580              | 204,142,225                   | 0.11  |
| Sun Pharma Manufacturer   | 1,548             | 5,363              | 204,142,225                   | 0.08  |
| Dr. Reddy's Manufacturer  | 86                | 156                | 204,142,225                   | 0.00  |
| Lipodox   | 406               | 1,782              | 204,142,225                   | 0.02  |
| <b>Non-Liposomal Doxorubicin</b>                                    |                   |                    |                               |   |
| Doxorubicin Hydrochloride   | 21,078            | 85,268             | 204,142,225                   | 1.03  |
| <b>Healthcare Common Procedure Coding System (HCPCS) Codes Only</b> |                   |                    |                               |   |
| <b>Pegylated Liposomal Doxorubicin</b>                              |                   |                    |                               |   |
| J9001   | 7,750             | 24,274             | 204,142,225                   | 0.38  |
| J9002   | 4,645             | 12,292             | 204,142,225                   | 0.23  |
| Q2048   | 2,717             | 5,915              | 204,142,225                   | 0.13  |
| Q2049   | 5,771             | 19,290             | 204,142,225                   | 0.28  |
| Q2050   | 26,308            | 105,701            | 204,142,225                   | 1.29  |
| <b>Non-Liposomal Doxorubicin</b>                                    |                   |                    |                               |   |
| J9000   | 173,971           | 673,504            | 204,142,225                   | 8.52  |
| <b>NDC and HCPCS Codes</b>  |                   |                    |                               |   |
| Any pegylated liposomal doxorubicin code <sup>2</sup>               | 41,947            | 171,707            | 204,142,225                   | 2.05  |

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

<sup>2</sup>The "stockpiling algorithm" in the analytic program adjusts dispensing dates to ensure non-overlapping days supply within a treatment episode. The algorithm stockpiles on generic name for NDC codes. Doxil, Sun Pharma Manufacturer, Dr. Reddy's Manufacturer, and Lipodox all have the same generic name, so stockpiling may be applied across these NDC codes to define treatment episodes for any liposomal doxorubicin use. Therefore, different codes (NDC and HCPCS or two of one kind) occurring on the same day are only counted as one episode.

**Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (September 26, 2018)**

| DP ID | Start Date <sup>1</sup> | End Date <sup>1</sup> |
|-------|-------------------------|-----------------------|
| DP01  | 06/01/2007              | 01/31/2018            |
| DP02  | 01/01/2000              | 10/31/2017            |
| DP03  | 01/01/2000              | 06/30/2018            |
| DP04  | 01/01/2008              | 03/31/2018            |
| DP05  | 01/01/2006              | 12/31/2017            |
| DP06  | 01/01/2000              | 12/31/2016            |
| DP07  | 01/01/2008              | 06/30/2017            |
| DP08  | 01/01/2010              | 12/31/2016            |
| DP09  | 01/01/2005              | 12/17/2017            |
| DP10  | 01/01/2000              | 03/31/2016            |
| DP11  | 01/01/2000              | 05/31/2015            |
| DP12  | 01/01/2000              | 03/31/2018            |
| DP13  | 01/01/2000              | 12/31/2017            |
| DP14  | 01/01/2000              | 06/30/2017            |
| DP15  | 01/01/2004              | 05/31/2018            |
| DP16  | 01/01/2000              | 03/31/2018            |
| DP17  | 01/01/2012              | 06/30/2017            |

<sup>1</sup>The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

**Appendix B. List of Generic and Brand Names of Medical Products Used to Define Exposures in this Request**

| <b>Generic Name</b>                    | <b>Brand Name</b>          |
|--|----------------------------|
| <b>Pegylated Liposomal Doxorubicin</b> |                            |
| <b>Doxil</b>                           |                            |
| Doxorubicin HCl pegylated liposomal    | Doxil                      |
| Doxorubicin HCl pegylated liposomal    | Doxorubicin, peg-liposomal |
| <b>Sun Pharma</b>                      |                            |
| Doxorubicin HCl pegylated liposomal    | Doxorubicin, peg-liposomal |
| <b>Dr. Reddy's</b>                     |                            |
| Doxorubicin HCl pegylated liposomal    | Doxorubicin, peg-liposomal |
| <b>Lipodox</b>                         |                            |
| Doxorubicin HCl pegylated liposomal    | Lipodox                    |
| Doxorubicin HCl pegylated liposomal    | Lipodox 50                 |
| <b>Non-Liposomal Doxorubicin</b>       |                            |
| Doxorubicin HCl                        | Doxorubicin                |
| Doxorubicin HCl                        | Adriamycin                 |
| Doxorubicin HCl                        | Adriamycin PFS             |

**Appendix C. List of Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures of Interest in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| J9001       | Injection, doxorubicin HCl, all lipid formulations, 10 mg                       | Procedure            | HCPCS            |
| J9002       | Injection, doxorubicin hydrochloride, liposomal, Doxil, 10 mg                   | Procedure            | HCPCS            |
| Q2048       | Injection, doxorubicin hydrochloride, liposomal, DOXIL, 10 mg                   | Procedure            | HCPCS            |
| Q2049       | Injection, doxorubicin hydrochloride, liposomal, imported Lipodox, 10 mg        | Procedure            | HCPCS            |
| Q2050       | Injection, doxorubicin hydrochloride, liposomal, not otherwise specified, 10 mg | Procedure            | HCPCS            |
| J9000       | Injection, doxorubicin HCl, 10 mg   | Procedure            | HCPCS            |



**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b>             | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------------------|--|----------------------|------------------|
| <b>Ovarian Cancer</b>   |  |                      |                  |
| 183.0                   | Malignant neoplasm of ovary                                    | Diagnosis            | ICD-9-CM         |
| C56                     | Malignant neoplasm of ovary                                    | Diagnosis            | ICD-10-CM        |
| C56.1                   | Malignant neoplasm of right ovary                              | Diagnosis            | ICD-10-CM        |
| C56.2                   | Malignant neoplasm of left ovary                               | Diagnosis            | ICD-10-CM        |
| C56.9                   | Malignant neoplasm of unspecified ovary                        | Diagnosis            | ICD-10-CM        |
| <b>Kaposi's Sarcoma</b> |  |                      |                  |
| 176                     | Kaposi's sarcoma   | Diagnosis            | ICD-9-CM         |
| 176.0                   | Kaposi's sarcoma of skin                                       | Diagnosis            | ICD-9-CM         |
| 176.1                   | Kaposi's sarcoma of soft tissue                                | Diagnosis            | ICD-9-CM         |
| 176.2                   | Kaposi's sarcoma of palate                                     | Diagnosis            | ICD-9-CM         |
| 176.3                   | Kaposi's sarcoma of gastrointestinal sites                     | Diagnosis            | ICD-9-CM         |
| 176.4                   | Kaposi's sarcoma of lung                                       | Diagnosis            | ICD-9-CM         |
| 176.5                   | Kaposi's sarcoma of lymph nodes                                | Diagnosis            | ICD-9-CM         |
| 176.8                   | Kaposi's sarcoma of other specified sites                      | Diagnosis            | ICD-9-CM         |
| 176.9                   | Kaposi's sarcoma of unspecified site                           | Diagnosis            | ICD-9-CM         |
| C46.0                   | Kaposi's sarcoma of skin                                       | Diagnosis            | ICD-10-CM        |
| C46.1                   | Kaposi's sarcoma of soft tissue                                | Diagnosis            | ICD-10-CM        |
| C46.2                   | Kaposi's sarcoma of palate                                     | Diagnosis            | ICD-10-CM        |
| C46.3                   | Kaposi's sarcoma of lymph nodes                                | Diagnosis            | ICD-10-CM        |
| C46.4                   | Kaposi's sarcoma of gastrointestinal sites                     | Diagnosis            | ICD-10-CM        |
| C46.50                  | Kaposi's sarcoma of unspecified lung                           | Diagnosis            | ICD-10-CM        |
| C46.51                  | Kaposi's sarcoma of right lung                                 | Diagnosis            | ICD-10-CM        |
| C46.52                  | Kaposi's sarcoma of left lung                                  | Diagnosis            | ICD-10-CM        |
| C46.7                   | Kaposi's sarcoma of other sites                                | Diagnosis            | ICD-10-CM        |
| C46.9                   | Kaposi's sarcoma, unspecified                                  | Diagnosis            | ICD-10-CM        |
| <b>Multiple Myeloma</b> |  |                      |                  |
| 203                     | Multiple myeloma and immunoproliferative neoplasms             | Diagnosis            | ICD-9-CM         |
| 203.0                   | Multiple myeloma   | Diagnosis            | ICD-9-CM         |
| 203.00                  | Multiple myeloma, without mention of having achieved remission | Diagnosis            | ICD-9-CM         |
| 203.01                  | Multiple myeloma in remission                                  | Diagnosis            | ICD-9-CM         |
| 203.02                  | Multiple myeloma, in relapse                                   | Diagnosis            | ICD-9-CM         |
| C90.00                  | Multiple myeloma not having achieved remission                 | Diagnosis            | ICD-10-CM        |
| C90.01                  | Multiple myeloma in remission                                  | Diagnosis            | ICD-10-CM        |
| C90.02                  | Multiple myeloma in relapse                                    | Diagnosis            | ICD-10-CM        |
| <b>Breast Cancer</b>    |  |                      |                  |
| 174                     | Malignant neoplasm of female breast                            | Diagnosis            | ICD-9-CM         |
| 174.0                   | Malignant neoplasm of nipple and areola of female breast       | Diagnosis            | ICD-9-CM         |
| 174.1                   | Malignant neoplasm of central portion of female breast         | Diagnosis            | ICD-9-CM         |
| 174.2                   | Malignant neoplasm of upper-inner quadrant of female breast    | Diagnosis            | ICD-9-CM         |
| 174.3                   | Malignant neoplasm of lower-inner quadrant of female breast    | Diagnosis            | ICD-9-CM         |
| 174.4                   | Malignant neoplasm of upper-outer quadrant of female breast    | Diagnosis            | ICD-9-CM         |
| 174.5                   | Malignant neoplasm of lower-outer quadrant of female breast    | Diagnosis            | ICD-9-CM         |
| 174.6                   | Malignant neoplasm of axillary tail of female breast           | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 174.8       | Malignant neoplasm of other specified sites of female breast            | Diagnosis            | ICD-9-CM         |
| 174.9       | Malignant neoplasm of breast (female), unspecified site                 | Diagnosis            | ICD-9-CM         |
| C50.019     | Malignant neoplasm of nipple and areola, unspecified female breast      | Diagnosis            | ICD-10-CM        |
| C50.119     | Malignant neoplasm of central portion of unspecified female breast      | Diagnosis            | ICD-10-CM        |
| C50.219     | Malignant neoplasm of upper-inner quadrant of unspecified female breast | Diagnosis            | ICD-10-CM        |
| C50.319     | Malignant neoplasm of lower-inner quadrant of unspecified female breast | Diagnosis            | ICD-10-CM        |
| C50.419     | Malignant neoplasm of upper-outer quadrant of unspecified female breast | Diagnosis            | ICD-10-CM        |
| C50.519     | Malignant neoplasm of lower-outer quadrant of unspecified female breast | Diagnosis            | ICD-10-CM        |
| C50.619     | Malignant neoplasm of axillary tail of unspecified female breast        | Diagnosis            | ICD-10-CM        |
| C50.819     | Malignant neoplasm of overlapping sites of unspecified female breast    | Diagnosis            | ICD-10-CM        |
| C50.919     | Malignant neoplasm of unspecified site of unspecified female breast     | Diagnosis            | ICD-10-CM        |
| C50.011     | Malignant neoplasm of nipple and areola, right female breast            | Diagnosis            | ICD-10-CM        |
| C50.012     | Malignant neoplasm of nipple and areola, left female breast             | Diagnosis            | ICD-10-CM        |
| C50.111     | Malignant neoplasm of central portion of right female breast            | Diagnosis            | ICD-10-CM        |
| C50.112     | Malignant neoplasm of central portion of left female breast             | Diagnosis            | ICD-10-CM        |
| C50.211     | Malignant neoplasm of upper-inner quadrant of right female breast       | Diagnosis            | ICD-10-CM        |
| C50.212     | Malignant neoplasm of upper-inner quadrant of left female breast        | Diagnosis            | ICD-10-CM        |
| C50.311     | Malignant neoplasm of lower-inner quadrant of right female breast       | Diagnosis            | ICD-10-CM        |
| C50.312     | Malignant neoplasm of lower-inner quadrant of left female breast        | Diagnosis            | ICD-10-CM        |
| C50.411     | Malignant neoplasm of upper-outer quadrant of right female breast       | Diagnosis            | ICD-10-CM        |
| C50.412     | Malignant neoplasm of upper-outer quadrant of left female breast        | Diagnosis            | ICD-10-CM        |
| C50.511     | Malignant neoplasm of lower-outer quadrant of right female breast       | Diagnosis            | ICD-10-CM        |
| C50.512     | Malignant neoplasm of lower-outer quadrant of left female breast        | Diagnosis            | ICD-10-CM        |
| C50.611     | Malignant neoplasm of axillary tail of right female breast              | Diagnosis            | ICD-10-CM        |
| C50.612     | Malignant neoplasm of axillary tail of left female breast               | Diagnosis            | ICD-10-CM        |
| C50.811     | Malignant neoplasm of overlapping sites of right female breast          | Diagnosis            | ICD-10-CM        |
| C50.812     | Malignant neoplasm of overlapping sites of left female breast           | Diagnosis            | ICD-10-CM        |
| C50.911     | Malignant neoplasm of unspecified site of right female breast           | Diagnosis            | ICD-10-CM        |
| C50.912     | Malignant neoplasm of unspecified site of left female breast            | Diagnosis            | ICD-10-CM        |
| 175         | Malignant neoplasm of male breast                                       | Diagnosis            | ICD-9-CM         |
| 175.0       | Malignant neoplasm of nipple and areola of male breast                  | Diagnosis            | ICD-9-CM         |
| 175.9       | Malignant neoplasm of other and unspecified sites of male breast        | Diagnosis            | ICD-9-CM         |
| C50.029     | Malignant neoplasm of nipple and areola, unspecified male breast        | Diagnosis            | ICD-10-CM        |
| C50.929     | Malignant neoplasm of unspecified site of unspecified male breast       | Diagnosis            | ICD-10-CM        |
| C50.021     | Malignant neoplasm of nipple and areola, right male breast              | Diagnosis            | ICD-10-CM        |
| C50.022     | Malignant neoplasm of nipple and areola, left male breast               | Diagnosis            | ICD-10-CM        |
| C50.121     | Malignant neoplasm of central portion of right male breast              | Diagnosis            | ICD-10-CM        |
| C50.122     | Malignant neoplasm of central portion of left male breast               | Diagnosis            | ICD-10-CM        |
| C50.129     | Malignant neoplasm of central portion of unspecified male breast        | Diagnosis            | ICD-10-CM        |
| C50.221     | Malignant neoplasm of upper-inner quadrant of right male breast         | Diagnosis            | ICD-10-CM        |
| C50.222     | Malignant neoplasm of upper-inner quadrant of left male breast          | Diagnosis            | ICD-10-CM        |
| C50.229     | Malignant neoplasm of upper-inner quadrant of unspecified male breast   | Diagnosis            | ICD-10-CM        |
| C50.321     | Malignant neoplasm of lower-inner quadrant of right male breast         | Diagnosis            | ICD-10-CM        |
| C50.322     | Malignant neoplasm of lower-inner quadrant of left male breast          | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b>          | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|----------------------|---|----------------------|------------------|
| C50.329              | Malignant neoplasm of lower-inner quadrant of unspecified male breast         | Diagnosis            | ICD-10-CM        |
| C50.421              | Malignant neoplasm of upper-outer quadrant of right male breast               | Diagnosis            | ICD-10-CM        |
| C50.422              | Malignant neoplasm of upper-outer quadrant of left male breast                | Diagnosis            | ICD-10-CM        |
| C50.429              | Malignant neoplasm of upper-outer quadrant of unspecified male breast         | Diagnosis            | ICD-10-CM        |
| C50.521              | Malignant neoplasm of lower-outer quadrant of right male breast               | Diagnosis            | ICD-10-CM        |
| C50.522              | Malignant neoplasm of lower-outer quadrant of left male breast                | Diagnosis            | ICD-10-CM        |
| C50.529              | Malignant neoplasm of lower-outer quadrant of unspecified male breast         | Diagnosis            | ICD-10-CM        |
| C50.621              | Malignant neoplasm of axillary tail of right male breast                      | Diagnosis            | ICD-10-CM        |
| C50.622              | Malignant neoplasm of axillary tail of left male breast                       | Diagnosis            | ICD-10-CM        |
| C50.629              | Malignant neoplasm of axillary tail of unspecified male breast                | Diagnosis            | ICD-10-CM        |
| C50.821              | Malignant neoplasm of overlapping sites of right male breast                  | Diagnosis            | ICD-10-CM        |
| C50.822              | Malignant neoplasm of overlapping sites of left male breast                   | Diagnosis            | ICD-10-CM        |
| C50.829              | Malignant neoplasm of overlapping sites of unspecified male breast            | Diagnosis            | ICD-10-CM        |
| C50.921              | Malignant neoplasm of unspecified site of right male breast                   | Diagnosis            | ICD-10-CM        |
| C50.922              | Malignant neoplasm of unspecified site of left male breast                    | Diagnosis            | ICD-10-CM        |
| <b>Other Cancers</b> |   |                      |                  |
| 140                  | Malignant neoplasm of lip   | Diagnosis            | ICD-9-CM         |
| 140.0                | Malignant neoplasm of upper lip, vermilion border                             | Diagnosis            | ICD-9-CM         |
| 140.1                | Malignant neoplasm of lower lip, vermilion border                             | Diagnosis            | ICD-9-CM         |
| 140.3                | Malignant neoplasm of upper lip, inner aspect                                 | Diagnosis            | ICD-9-CM         |
| 140.4                | Malignant neoplasm of lower lip, inner aspect                                 | Diagnosis            | ICD-9-CM         |
| 140.5                | Malignant neoplasm of lip, inner aspect, unspecified as to upper or lower     | Diagnosis            | ICD-9-CM         |
| 140.6                | Malignant neoplasm of commissure of lip                                       | Diagnosis            | ICD-9-CM         |
| 140.8                | Malignant neoplasm of other sites of lip                                      | Diagnosis            | ICD-9-CM         |
| 140.9                | Malignant neoplasm of lip, vermilion border, unspecified as to upper or lower | Diagnosis            | ICD-9-CM         |
| 141                  | Malignant neoplasm of tongue  | Diagnosis            | ICD-9-CM         |
| 141.0                | Malignant neoplasm of base of tongue  | Diagnosis            | ICD-9-CM         |
| 141.1                | Malignant neoplasm of dorsal surface of tongue                                | Diagnosis            | ICD-9-CM         |
| 141.2                | Malignant neoplasm of tip and lateral border of tongue                        | Diagnosis            | ICD-9-CM         |
| 141.3                | Malignant neoplasm of ventral surface of tongue                               | Diagnosis            | ICD-9-CM         |
| 141.4                | Malignant neoplasm of anterior two-thirds of tongue, part unspecified         | Diagnosis            | ICD-9-CM         |
| 141.5                | Malignant neoplasm of junctional zone of tongue                               | Diagnosis            | ICD-9-CM         |
| 141.6                | Malignant neoplasm of lingual tonsil  | Diagnosis            | ICD-9-CM         |
| 141.8                | Malignant neoplasm of other sites of tongue                                   | Diagnosis            | ICD-9-CM         |
| 141.9                | Malignant neoplasm of tongue, unspecified site                                | Diagnosis            | ICD-9-CM         |
| 142                  | Malignant neoplasm of major salivary glands                                   | Diagnosis            | ICD-9-CM         |
| 142.0                | Malignant neoplasm of parotid gland   | Diagnosis            | ICD-9-CM         |
| 142.1                | Malignant neoplasm of submandibular gland                                     | Diagnosis            | ICD-9-CM         |
| 142.2                | Malignant neoplasm of sublingual gland  | Diagnosis            | ICD-9-CM         |
| 142.8                | Malignant neoplasm of other major salivary glands                             | Diagnosis            | ICD-9-CM         |
| 142.9                | Malignant neoplasm of salivary gland, unspecified                             | Diagnosis            | ICD-9-CM         |
| 143                  | Malignant neoplasm of gum   | Diagnosis            | ICD-9-CM         |
| 143.0                | Malignant neoplasm of upper gum   | Diagnosis            | ICD-9-CM         |
| 143.1                | Malignant neoplasm of lower gum   | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 143.8       | Malignant neoplasm of other sites of gum   | Diagnosis            | ICD-9-CM         |
| 143.9       | Malignant neoplasm of gum, unspecified site  | Diagnosis            | ICD-9-CM         |
| 144         | Malignant neoplasm of floor of mouth   | Diagnosis            | ICD-9-CM         |
| 144.0       | Malignant neoplasm of anterior portion of floor of mouth                                   | Diagnosis            | ICD-9-CM         |
| 144.1       | Malignant neoplasm of lateral portion of floor of mouth                                    | Diagnosis            | ICD-9-CM         |
| 144.8       | Malignant neoplasm of other sites of floor of mouth  | Diagnosis            | ICD-9-CM         |
| 144.9       | Malignant neoplasm of floor of mouth, part unspecified                                     | Diagnosis            | ICD-9-CM         |
| 145         | Malignant neoplasm of other and unspecified parts of mouth                                 | Diagnosis            | ICD-9-CM         |
| 145.0       | Malignant neoplasm of cheek mucosa   | Diagnosis            | ICD-9-CM         |
| 145.1       | Malignant neoplasm of vestibule of mouth   | Diagnosis            | ICD-9-CM         |
| 145.2       | Malignant neoplasm of hard palate  | Diagnosis            | ICD-9-CM         |
| 145.3       | Malignant neoplasm of soft palate  | Diagnosis            | ICD-9-CM         |
| 145.4       | Malignant neoplasm of uvula  | Diagnosis            | ICD-9-CM         |
| 145.5       | Malignant neoplasm of palate, unspecified  | Diagnosis            | ICD-9-CM         |
| 145.6       | Malignant neoplasm of retromolar area  | Diagnosis            | ICD-9-CM         |
| 145.8       | Malignant neoplasm of other specified parts of mouth                                       | Diagnosis            | ICD-9-CM         |
| 145.9       | Malignant neoplasm of mouth, unspecified site  | Diagnosis            | ICD-9-CM         |
| 146         | Malignant neoplasm of oropharynx   | Diagnosis            | ICD-9-CM         |
| 146.0       | Malignant neoplasm of tonsil   | Diagnosis            | ICD-9-CM         |
| 146.1       | Malignant neoplasm of tonsillar fossa  | Diagnosis            | ICD-9-CM         |
| 146.2       | Malignant neoplasm of tonsillar pillars (anterior) (posterior)                             | Diagnosis            | ICD-9-CM         |
| 146.3       | Malignant neoplasm of vallecula  | Diagnosis            | ICD-9-CM         |
| 146.4       | Malignant neoplasm of anterior aspect of epiglottis  | Diagnosis            | ICD-9-CM         |
| 146.5       | Malignant neoplasm of junctional region of oropharynx                                      | Diagnosis            | ICD-9-CM         |
| 146.6       | Malignant neoplasm of lateral wall of oropharynx   | Diagnosis            | ICD-9-CM         |
| 146.7       | Malignant neoplasm of posterior wall of oropharynx   | Diagnosis            | ICD-9-CM         |
| 146.8       | Malignant neoplasm of other specified sites of oropharynx                                  | Diagnosis            | ICD-9-CM         |
| 146.9       | Malignant neoplasm of oropharynx, unspecified site   | Diagnosis            | ICD-9-CM         |
| 147         | Malignant neoplasm of nasopharynx  | Diagnosis            | ICD-9-CM         |
| 147.0       | Malignant neoplasm of superior wall of nasopharynx   | Diagnosis            | ICD-9-CM         |
| 147.1       | Malignant neoplasm of posterior wall of nasopharynx  | Diagnosis            | ICD-9-CM         |
| 147.2       | Malignant neoplasm of lateral wall of nasopharynx  | Diagnosis            | ICD-9-CM         |
| 147.3       | Malignant neoplasm of anterior wall of nasopharynx   | Diagnosis            | ICD-9-CM         |
| 147.8       | Malignant neoplasm of other specified sites of nasopharynx                                 | Diagnosis            | ICD-9-CM         |
| 147.9       | Malignant neoplasm of nasopharynx, unspecified site  | Diagnosis            | ICD-9-CM         |
| 148         | Malignant neoplasm of hypopharynx  | Diagnosis            | ICD-9-CM         |
| 148.0       | Malignant neoplasm of postcricoid region of hypopharynx                                    | Diagnosis            | ICD-9-CM         |
| 148.1       | Malignant neoplasm of pyriform sinus   | Diagnosis            | ICD-9-CM         |
| 148.2       | Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect                            | Diagnosis            | ICD-9-CM         |
| 148.3       | Malignant neoplasm of posterior hypopharyngeal wall  | Diagnosis            | ICD-9-CM         |
| 148.8       | Malignant neoplasm of other specified sites of hypopharynx                                 | Diagnosis            | ICD-9-CM         |
| 148.9       | Malignant neoplasm of hypopharynx, unspecified site  | Diagnosis            | ICD-9-CM         |
| 149         | Malignant neoplasm of other and ill-defined sites within the lip, oral cavity, and pharynx | Diagnosis            | ICD-9-CM         |
| 149.0       | Malignant neoplasm of pharynx, unspecified   | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 149.1       | Malignant neoplasm of Waldeyer's ring                            | Diagnosis            | ICD-9-CM         |
| 149.8       | Malignant neoplasm of other sites within the lip and oral cavity | Diagnosis            | ICD-9-CM         |
| 149.9       | Malignant neoplasm of ill-defined sites of lip and oral cavity   | Diagnosis            | ICD-9-CM         |
| 150         | Malignant neoplasm of esophagus                                  | Diagnosis            | ICD-9-CM         |
| 150.0       | Malignant neoplasm of cervical esophagus                         | Diagnosis            | ICD-9-CM         |
| 150.1       | Malignant neoplasm of thoracic esophagus                         | Diagnosis            | ICD-9-CM         |
| 150.2       | Malignant neoplasm of abdominal esophagus                        | Diagnosis            | ICD-9-CM         |
| 150.3       | Malignant neoplasm of upper third of esophagus                   | Diagnosis            | ICD-9-CM         |
| 150.4       | Malignant neoplasm of middle third of esophagus                  | Diagnosis            | ICD-9-CM         |
| 150.5       | Malignant neoplasm of lower third of esophagus                   | Diagnosis            | ICD-9-CM         |
| 150.8       | Malignant neoplasm of other specified part of esophagus          | Diagnosis            | ICD-9-CM         |
| 150.9       | Malignant neoplasm of esophagus, unspecified site                | Diagnosis            | ICD-9-CM         |
| 151         | Malignant neoplasm of stomach                                    | Diagnosis            | ICD-9-CM         |
| 151.0       | Malignant neoplasm of cardia                                     | Diagnosis            | ICD-9-CM         |
| 151.1       | Malignant neoplasm of pylorus                                    | Diagnosis            | ICD-9-CM         |
| 151.2       | Malignant neoplasm of pyloric antrum                             | Diagnosis            | ICD-9-CM         |
| 151.3       | Malignant neoplasm of fundus of stomach                          | Diagnosis            | ICD-9-CM         |
| 151.4       | Malignant neoplasm of body of stomach                            | Diagnosis            | ICD-9-CM         |
| 151.5       | Malignant neoplasm of lesser curvature of stomach, unspecified   | Diagnosis            | ICD-9-CM         |
| 151.6       | Malignant neoplasm of greater curvature of stomach, unspecified  | Diagnosis            | ICD-9-CM         |
| 151.8       | Malignant neoplasm of other specified sites of stomach           | Diagnosis            | ICD-9-CM         |
| 151.9       | Malignant neoplasm of stomach, unspecified site                  | Diagnosis            | ICD-9-CM         |
| 152         | Malignant neoplasm of small intestine, including duodenum        | Diagnosis            | ICD-9-CM         |
| 152.0       | Malignant neoplasm of duodenum                                   | Diagnosis            | ICD-9-CM         |
| 152.1       | Malignant neoplasm of jejunum                                    | Diagnosis            | ICD-9-CM         |
| 152.2       | Malignant neoplasm of ileum                                      | Diagnosis            | ICD-9-CM         |
| 152.3       | Malignant neoplasm of Meckel's diverticulum                      | Diagnosis            | ICD-9-CM         |
| 152.8       | Malignant neoplasm of other specified sites of small intestine   | Diagnosis            | ICD-9-CM         |
| 152.9       | Malignant neoplasm of small intestine, unspecified site          | Diagnosis            | ICD-9-CM         |
| 153         | Malignant neoplasm of colon                                      | Diagnosis            | ICD-9-CM         |
| 153.0       | Malignant neoplasm of hepatic flexure                            | Diagnosis            | ICD-9-CM         |
| 153.1       | Malignant neoplasm of transverse colon                           | Diagnosis            | ICD-9-CM         |
| 153.2       | Malignant neoplasm of descending colon                           | Diagnosis            | ICD-9-CM         |
| 153.3       | Malignant neoplasm of sigmoid colon                              | Diagnosis            | ICD-9-CM         |
| 153.4       | Malignant neoplasm of cecum                                      | Diagnosis            | ICD-9-CM         |
| 153.5       | Malignant neoplasm of appendix                                   | Diagnosis            | ICD-9-CM         |
| 153.6       | Malignant neoplasm of ascending colon                            | Diagnosis            | ICD-9-CM         |
| 153.7       | Malignant neoplasm of splenic flexure                            | Diagnosis            | ICD-9-CM         |
| 153.8       | Malignant neoplasm of other specified sites of large intestine   | Diagnosis            | ICD-9-CM         |
| 153.9       | Malignant neoplasm of colon, unspecified site                    | Diagnosis            | ICD-9-CM         |
| 154         | Malignant neoplasm of rectum, rectosigmoid junction, and anus    | Diagnosis            | ICD-9-CM         |
| 154.0       | Malignant neoplasm of rectosigmoid junction                      | Diagnosis            | ICD-9-CM         |
| 154.1       | Malignant neoplasm of rectum                                     | Diagnosis            | ICD-9-CM         |
| 154.2       | Malignant neoplasm of anal canal                                 | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 154.3       | Malignant neoplasm of anus, unspecified site  | Diagnosis            | ICD-9-CM         |
| 154.8       | Malignant neoplasm of other sites of rectum, rectosigmoid junction, and anus                    | Diagnosis            | ICD-9-CM         |
| 155         | Malignant neoplasm of liver and intrahepatic bile ducts   | Diagnosis            | ICD-9-CM         |
| 155.0       | Malignant neoplasm of liver, primary  | Diagnosis            | ICD-9-CM         |
| 155.1       | Malignant neoplasm of intrahepatic bile ducts   | Diagnosis            | ICD-9-CM         |
| 155.2       | Malignant neoplasm of liver, not specified as primary or secondary                              | Diagnosis            | ICD-9-CM         |
| 156         | Malignant neoplasm of gallbladder and extrahepatic bile ducts                                   | Diagnosis            | ICD-9-CM         |
| 156.0       | Malignant neoplasm of gallbladder   | Diagnosis            | ICD-9-CM         |
| 156.1       | Malignant neoplasm of extrahepatic bile ducts   | Diagnosis            | ICD-9-CM         |
| 156.2       | Malignant neoplasm of ampulla of Vater  | Diagnosis            | ICD-9-CM         |
| 156.8       | Malignant neoplasm of other specified sites of gallbladder and extrahepatic bile ducts          | Diagnosis            | ICD-9-CM         |
| 156.9       | Malignant neoplasm of biliary tract, part unspecified site                                      | Diagnosis            | ICD-9-CM         |
| 157         | Malignant neoplasm of pancreas  | Diagnosis            | ICD-9-CM         |
| 157.0       | Malignant neoplasm of head of pancreas  | Diagnosis            | ICD-9-CM         |
| 157.1       | Malignant neoplasm of body of pancreas  | Diagnosis            | ICD-9-CM         |
| 157.2       | Malignant neoplasm of tail of pancreas  | Diagnosis            | ICD-9-CM         |
| 157.3       | Malignant neoplasm of pancreatic duct   | Diagnosis            | ICD-9-CM         |
| 157.4       | Malignant neoplasm of islets of Langerhans  | Diagnosis            | ICD-9-CM         |
| 157.8       | Malignant neoplasm of other specified sites of pancreas   | Diagnosis            | ICD-9-CM         |
| 157.9       | Malignant neoplasm of pancreas, part unspecified  | Diagnosis            | ICD-9-CM         |
| 158         | Malignant neoplasm of retroperitoneum and peritoneum  | Diagnosis            | ICD-9-CM         |
| 158.0       | Malignant neoplasm of retroperitoneum   | Diagnosis            | ICD-9-CM         |
| 158.8       | Malignant neoplasm of specified parts of peritoneum   | Diagnosis            | ICD-9-CM         |
| 158.9       | Malignant neoplasm of peritoneum, unspecified   | Diagnosis            | ICD-9-CM         |
| 159         | Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum    | Diagnosis            | ICD-9-CM         |
| 159.0       | Malignant neoplasm of intestinal tract, part unspecified  | Diagnosis            | ICD-9-CM         |
| 159.1       | Malignant neoplasm of spleen, not elsewhere classified  | Diagnosis            | ICD-9-CM         |
| 159.8       | Malignant neoplasm of other sites of digestive system and intra-abdominal organs                | Diagnosis            | ICD-9-CM         |
| 159.9       | Malignant neoplasm of ill-defined sites of digestive organs and peritoneum                      | Diagnosis            | ICD-9-CM         |
| 160         | Malignant neoplasm of nasal cavities, middle ear, and accessory sinuses                         | Diagnosis            | ICD-9-CM         |
| 160.0       | Malignant neoplasm of nasal cavities  | Diagnosis            | ICD-9-CM         |
| 160.1       | Malignant neoplasm of auditory tube, middle ear, and mastoid air cells                          | Diagnosis            | ICD-9-CM         |
| 160.2       | Malignant neoplasm of maxillary sinus   | Diagnosis            | ICD-9-CM         |
| 160.3       | Malignant neoplasm of ethmoidal sinus   | Diagnosis            | ICD-9-CM         |
| 160.4       | Malignant neoplasm of frontal sinus   | Diagnosis            | ICD-9-CM         |
| 160.5       | Malignant neoplasm of sphenoidal sinus  | Diagnosis            | ICD-9-CM         |
| 160.8       | Malignant neoplasm of other sites of nasal cavities, middle ear, and accessory sinuses          | Diagnosis            | ICD-9-CM         |
| 160.9       | Malignant neoplasm of site of nasal cavities, middle ear, and accessory sinus, unspecified site | Diagnosis            | ICD-9-CM         |
| 161         | Malignant neoplasm of larynx  | Diagnosis            | ICD-9-CM         |
| 161.0       | Malignant neoplasm of glottis   | Diagnosis            | ICD-9-CM         |
| 161.1       | Malignant neoplasm of supraglottis  | Diagnosis            | ICD-9-CM         |
| 161.2       | Malignant neoplasm of subglottis  | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 161.3       | Malignant neoplasm of laryngeal cartilages   | Diagnosis            | ICD-9-CM         |
| 161.8       | Malignant neoplasm of other specified sites of larynx  | Diagnosis            | ICD-9-CM         |
| 161.9       | Malignant neoplasm of larynx, unspecified site   | Diagnosis            | ICD-9-CM         |
| 162         | Malignant neoplasm of trachea, bronchus, and lung  | Diagnosis            | ICD-9-CM         |
| 162.0       | Malignant neoplasm of trachea  | Diagnosis            | ICD-9-CM         |
| 162.2       | Malignant neoplasm of main bronchus  | Diagnosis            | ICD-9-CM         |
| 162.3       | Malignant neoplasm of upper lobe, bronchus, or lung  | Diagnosis            | ICD-9-CM         |
| 162.4       | Malignant neoplasm of middle lobe, bronchus, or lung   | Diagnosis            | ICD-9-CM         |
| 162.5       | Malignant neoplasm of lower lobe, bronchus, or lung  | Diagnosis            | ICD-9-CM         |
| 162.8       | Malignant neoplasm of other parts of bronchus or lung  | Diagnosis            | ICD-9-CM         |
| 162.9       | Malignant neoplasm of bronchus and lung, unspecified site  | Diagnosis            | ICD-9-CM         |
| 163         | Malignant neoplasm of pleura   | Diagnosis            | ICD-9-CM         |
| 163.0       | Malignant neoplasm of parietal pleura  | Diagnosis            | ICD-9-CM         |
| 163.1       | Malignant neoplasm of visceral pleura  | Diagnosis            | ICD-9-CM         |
| 163.8       | Malignant neoplasm of other specified sites of pleura  | Diagnosis            | ICD-9-CM         |
| 163.9       | Malignant neoplasm of pleura, unspecified site   | Diagnosis            | ICD-9-CM         |
| 164         | Malignant neoplasm of thymus, heart, and mediastinum   | Diagnosis            | ICD-9-CM         |
| 164.0       | Malignant neoplasm of thymus   | Diagnosis            | ICD-9-CM         |
| 164.1       | Malignant neoplasm of heart  | Diagnosis            | ICD-9-CM         |
| 164.2       | Malignant neoplasm of anterior mediastinum   | Diagnosis            | ICD-9-CM         |
| 164.3       | Malignant neoplasm of posterior mediastinum  | Diagnosis            | ICD-9-CM         |
| 164.8       | Malignant neoplasm of other parts of mediastinum   | Diagnosis            | ICD-9-CM         |
| 164.9       | Malignant neoplasm of mediastinum, part unspecified  | Diagnosis            | ICD-9-CM         |
| 165         | Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs | Diagnosis            | ICD-9-CM         |
| 165.0       | Malignant neoplasm of upper respiratory tract, part unspecified  | Diagnosis            | ICD-9-CM         |
| 165.8       | Malignant neoplasm of other sites within the respiratory system and intrathoracic organs                 | Diagnosis            | ICD-9-CM         |
| 165.9       | Malignant neoplasm of ill-defined sites within the respiratory system                                    | Diagnosis            | ICD-9-CM         |
| 170         | Malignant neoplasm of bone and articular cartilage   | Diagnosis            | ICD-9-CM         |
| 170.0       | Malignant neoplasm of bones of skull and face, except mandible   | Diagnosis            | ICD-9-CM         |
| 170.1       | Malignant neoplasm of mandible   | Diagnosis            | ICD-9-CM         |
| 170.2       | Malignant neoplasm of vertebral column, excluding sacrum and coccyx                                      | Diagnosis            | ICD-9-CM         |
| 170.3       | Malignant neoplasm of ribs, sternum, and clavicle  | Diagnosis            | ICD-9-CM         |
| 170.4       | Malignant neoplasm of scapula and long bones of upper limb   | Diagnosis            | ICD-9-CM         |
| 170.5       | Malignant neoplasm of short bones of upper limb  | Diagnosis            | ICD-9-CM         |
| 170.6       | Malignant neoplasm of pelvic bones, sacrum, and coccyx   | Diagnosis            | ICD-9-CM         |
| 170.7       | Malignant neoplasm of long bones of lower limb   | Diagnosis            | ICD-9-CM         |
| 170.8       | Malignant neoplasm of short bones of lower limb  | Diagnosis            | ICD-9-CM         |
| 170.9       | Malignant neoplasm of bone and articular cartilage, site unspecified                                     | Diagnosis            | ICD-9-CM         |
| 171         | Malignant neoplasm of connective and other soft tissue   | Diagnosis            | ICD-9-CM         |
| 171.0       | Malignant neoplasm of connective and other soft tissue of head, face, and neck                           | Diagnosis            | ICD-9-CM         |
| 171.2       | Malignant neoplasm of connective and other soft tissue of upper limb, including shoulder                 | Diagnosis            | ICD-9-CM         |
| 171.3       | Malignant neoplasm of connective and other soft tissue of lower limb, including hip                      | Diagnosis            | ICD-9-CM         |
| 171.4       | Malignant neoplasm of connective and other soft tissue of thorax   | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 171.5       | Malignant neoplasm of connective and other soft tissue of abdomen                       | Diagnosis            | ICD-9-CM         |
| 171.6       | Malignant neoplasm of connective and other soft tissue of pelvis                        | Diagnosis            | ICD-9-CM         |
| 171.7       | Malignant neoplasm of connective and other soft tissue of trunk, unspecified site       | Diagnosis            | ICD-9-CM         |
| 171.8       | Malignant neoplasm of other specified sites of connective and other soft tissue         | Diagnosis            | ICD-9-CM         |
| 171.9       | Malignant neoplasm of connective and other soft tissue, site unspecified                | Diagnosis            | ICD-9-CM         |
| 172         | Malignant melanoma of skin  | Diagnosis            | ICD-9-CM         |
| 172.0       | Malignant melanoma of skin of lip   | Diagnosis            | ICD-9-CM         |
| 172.1       | Malignant melanoma of skin of eyelid, including canthus                                 | Diagnosis            | ICD-9-CM         |
| 172.2       | Malignant melanoma of skin of ear and external auditory canal                           | Diagnosis            | ICD-9-CM         |
| 172.3       | Malignant melanoma of skin of other and unspecified parts of face                       | Diagnosis            | ICD-9-CM         |
| 172.4       | Malignant melanoma of skin of scalp and neck  | Diagnosis            | ICD-9-CM         |
| 172.5       | Malignant melanoma of skin of trunk, except scrotum                                     | Diagnosis            | ICD-9-CM         |
| 172.6       | Malignant melanoma of skin of upper limb, including shoulder                            | Diagnosis            | ICD-9-CM         |
| 172.7       | Malignant melanoma of skin of lower limb, including hip                                 | Diagnosis            | ICD-9-CM         |
| 172.8       | Malignant melanoma of other specified sites of skin                                     | Diagnosis            | ICD-9-CM         |
| 172.9       | Melanoma of skin, site unspecified  | Diagnosis            | ICD-9-CM         |
| 173         | Other and unspecified malignant neoplasm of skin  | Diagnosis            | ICD-9-CM         |
| 173.0       | Other and unspecified malignant neoplasm of skin of lip                                 | Diagnosis            | ICD-9-CM         |
| 173.00      | Unspecified malignant neoplasm of skin of lip   | Diagnosis            | ICD-9-CM         |
| 173.01      | Basal cell carcinoma of skin of lip   | Diagnosis            | ICD-9-CM         |
| 173.02      | Squamous cell carcinoma of skin of lip  | Diagnosis            | ICD-9-CM         |
| 173.09      | Other specified malignant neoplasm of skin of lip                                       | Diagnosis            | ICD-9-CM         |
| 173.1       | Other and unspecified malignant neoplasm of eyelid, including canthus                   | Diagnosis            | ICD-9-CM         |
| 173.10      | Unspecified malignant neoplasm of eyelid, including canthus                             | Diagnosis            | ICD-9-CM         |
| 173.11      | Basal cell carcinoma of eyelid, including canthus                                       | Diagnosis            | ICD-9-CM         |
| 173.12      | Squamous cell carcinoma of eyelid, including canthus                                    | Diagnosis            | ICD-9-CM         |
| 173.19      | Other specified malignant neoplasm of eyelid, including canthus                         | Diagnosis            | ICD-9-CM         |
| 173.2       | Other and unspecified malignant neoplasm of skin of ear and external auditory canal     | Diagnosis            | ICD-9-CM         |
| 173.20      | Unspecified malignant neoplasm of skin of ear and external auditory canal               | Diagnosis            | ICD-9-CM         |
| 173.21      | Basal cell carcinoma of skin of ear and external auditory canal                         | Diagnosis            | ICD-9-CM         |
| 173.22      | Squamous cell carcinoma of skin of ear and external auditory canal                      | Diagnosis            | ICD-9-CM         |
| 173.29      | Other specified malignant neoplasm of skin of ear and external auditory canal           | Diagnosis            | ICD-9-CM         |
| 173.3       | Other and unspecified malignant neoplasm of skin of other and unspecified parts of face | Diagnosis            | ICD-9-CM         |
| 173.30      | Unspecified malignant neoplasm of skin of other and unspecified parts of face           | Diagnosis            | ICD-9-CM         |
| 173.31      | Basal cell carcinoma of skin of other and unspecified parts of face                     | Diagnosis            | ICD-9-CM         |
| 173.32      | Squamous cell carcinoma of skin of other and unspecified parts of face                  | Diagnosis            | ICD-9-CM         |
| 173.39      | Other specified malignant neoplasm of skin of other and unspecified parts of face       | Diagnosis            | ICD-9-CM         |
| 173.4       | Other and unspecified malignant neoplasm of scalp and skin of neck                      | Diagnosis            | ICD-9-CM         |
| 173.40      | Unspecified malignant neoplasm of scalp and skin of neck                                | Diagnosis            | ICD-9-CM         |
| 173.41      | Basal cell carcinoma of scalp and skin of neck  | Diagnosis            | ICD-9-CM         |
| 173.42      | Squamous cell carcinoma of scalp and skin of neck                                       | Diagnosis            | ICD-9-CM         |
| 173.49      | Other specified malignant neoplasm of scalp and skin of neck                            | Diagnosis            | ICD-9-CM         |
| 173.5       | Other and unspecified malignant neoplasm of skin of trunk, except scrotum               | Diagnosis            | ICD-9-CM         |
| 173.50      | Unspecified malignant neoplasm of skin of trunk, except scrotum                         | Diagnosis            | ICD-9-CM         |



**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 173.51      | Basal cell carcinoma of skin of trunk, except scrotum                              | Diagnosis            | ICD-9-CM         |
| 173.52      | Squamous cell carcinoma of skin of trunk, except scrotum                           | Diagnosis            | ICD-9-CM         |
| 173.59      | Other specified malignant neoplasm of skin of trunk, except scrotum                | Diagnosis            | ICD-9-CM         |
| 173.6       | Other and unspecified malignant neoplasm of skin of upper limb, including shoulder | Diagnosis            | ICD-9-CM         |
| 173.60      | Unspecified malignant neoplasm of skin of upper limb, including shoulder           | Diagnosis            | ICD-9-CM         |
| 173.61      | Basal cell carcinoma of skin of upper limb, including shoulder                     | Diagnosis            | ICD-9-CM         |
| 173.62      | Squamous cell carcinoma of skin of upper limb, including shoulder                  | Diagnosis            | ICD-9-CM         |
| 173.69      | Other specified malignant neoplasm of skin of upper limb, including shoulder       | Diagnosis            | ICD-9-CM         |
| 173.7       | Other and unspecified malignant neoplasm of skin of lower limb, including hip      | Diagnosis            | ICD-9-CM         |
| 173.70      | Unspecified malignant neoplasm of skin of lower limb, including hip                | Diagnosis            | ICD-9-CM         |
| 173.71      | Basal cell carcinoma of skin of lower limb, including hip                          | Diagnosis            | ICD-9-CM         |
| 173.72      | Squamous cell carcinoma of skin of lower limb, including hip                       | Diagnosis            | ICD-9-CM         |
| 173.79      | Other specified malignant neoplasm of skin of lower limb, including hip            | Diagnosis            | ICD-9-CM         |
| 173.8       | Other and unspecified malignant neoplasm of other specified sites of skin          | Diagnosis            | ICD-9-CM         |
| 173.80      | Unspecified malignant neoplasm of other specified sites of skin                    | Diagnosis            | ICD-9-CM         |
| 173.81      | Basal cell carcinoma of other specified sites of skin                              | Diagnosis            | ICD-9-CM         |
| 173.82      | Squamous cell carcinoma of other specified sites of skin                           | Diagnosis            | ICD-9-CM         |
| 173.89      | Other specified malignant neoplasm of other specified sites of skin                | Diagnosis            | ICD-9-CM         |
| 173.9       | Other and unspecified malignant neoplasm of skin, site unspecified                 | Diagnosis            | ICD-9-CM         |
| 173.90      | Unspecified malignant neoplasm of skin, site unspecified                           | Diagnosis            | ICD-9-CM         |
| 173.91      | Basal cell carcinoma of skin, site unspecified                                     | Diagnosis            | ICD-9-CM         |
| 173.92      | Squamous cell carcinoma of skin, site unspecified                                  | Diagnosis            | ICD-9-CM         |
| 173.99      | Other specified malignant neoplasm of skin, site unspecified                       | Diagnosis            | ICD-9-CM         |
| 179         | Malignant neoplasm of uterus, part unspecified                                     | Diagnosis            | ICD-9-CM         |
| 180         | Malignant neoplasm of cervix uteri   | Diagnosis            | ICD-9-CM         |
| 180.0       | Malignant neoplasm of endocervix   | Diagnosis            | ICD-9-CM         |
| 180.1       | Malignant neoplasm of exocervix  | Diagnosis            | ICD-9-CM         |
| 180.8       | Malignant neoplasm of other specified sites of cervix                              | Diagnosis            | ICD-9-CM         |
| 180.9       | Malignant neoplasm of cervix uteri, unspecified site                               | Diagnosis            | ICD-9-CM         |
| 181         | Malignant neoplasm of placenta   | Diagnosis            | ICD-9-CM         |
| 182         | Malignant neoplasm of body of uterus   | Diagnosis            | ICD-9-CM         |
| 182.0       | Malignant neoplasm of corpus uteri, except isthmus                                 | Diagnosis            | ICD-9-CM         |
| 182.1       | Malignant neoplasm of isthmus  | Diagnosis            | ICD-9-CM         |
| 182.8       | Malignant neoplasm of other specified sites of body of uterus                      | Diagnosis            | ICD-9-CM         |
| 183         | Malignant neoplasm of ovary and other uterine adnexa                               | Diagnosis            | ICD-9-CM         |
| 183.2       | Malignant neoplasm of fallopian tube   | Diagnosis            | ICD-9-CM         |
| 183.3       | Malignant neoplasm of broad ligament of uterus                                     | Diagnosis            | ICD-9-CM         |
| 183.4       | Malignant neoplasm of parametrium of uterus  | Diagnosis            | ICD-9-CM         |
| 183.5       | Malignant neoplasm of round ligament of uterus                                     | Diagnosis            | ICD-9-CM         |
| 183.8       | Malignant neoplasm of other specified sites of uterine adnexa                      | Diagnosis            | ICD-9-CM         |
| 183.9       | Malignant neoplasm of uterine adnexa, unspecified site                             | Diagnosis            | ICD-9-CM         |
| 184         | Malignant neoplasm of other and unspecified female genital organs                  | Diagnosis            | ICD-9-CM         |
| 184.0       | Malignant neoplasm of vagina   | Diagnosis            | ICD-9-CM         |
| 184.1       | Malignant neoplasm of labia majora   | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 184.2       | Malignant neoplasm of labia minora   | Diagnosis            | ICD-9-CM         |
| 184.3       | Malignant neoplasm of clitoris   | Diagnosis            | ICD-9-CM         |
| 184.4       | Malignant neoplasm of vulva, unspecified site                                  | Diagnosis            | ICD-9-CM         |
| 184.8       | Malignant neoplasm of other specified sites of female genital organs           | Diagnosis            | ICD-9-CM         |
| 184.9       | Malignant neoplasm of female genital organ, site unspecified                   | Diagnosis            | ICD-9-CM         |
| 185         | Malignant neoplasm of prostate   | Diagnosis            | ICD-9-CM         |
| 186         | Malignant neoplasm of testis   | Diagnosis            | ICD-9-CM         |
| 186.0       | Malignant neoplasm of undescended testis                                       | Diagnosis            | ICD-9-CM         |
| 186.9       | Malignant neoplasm of other and unspecified testis                             | Diagnosis            | ICD-9-CM         |
| 187         | Malignant neoplasm of penis and other male genital organs                      | Diagnosis            | ICD-9-CM         |
| 187.1       | Malignant neoplasm of prepuce  | Diagnosis            | ICD-9-CM         |
| 187.2       | Malignant neoplasm of glans penis  | Diagnosis            | ICD-9-CM         |
| 187.3       | Malignant neoplasm of body of penis  | Diagnosis            | ICD-9-CM         |
| 187.4       | Malignant neoplasm of penis, part unspecified                                  | Diagnosis            | ICD-9-CM         |
| 187.5       | Malignant neoplasm of epididymis   | Diagnosis            | ICD-9-CM         |
| 187.6       | Malignant neoplasm of spermatic cord   | Diagnosis            | ICD-9-CM         |
| 187.7       | Malignant neoplasm of scrotum  | Diagnosis            | ICD-9-CM         |
| 187.8       | Malignant neoplasm of other specified sites of male genital organs             | Diagnosis            | ICD-9-CM         |
| 187.9       | Malignant neoplasm of male genital organ, site unspecified                     | Diagnosis            | ICD-9-CM         |
| 188         | Malignant neoplasm of bladder  | Diagnosis            | ICD-9-CM         |
| 188.0       | Malignant neoplasm of trigone of urinary bladder                               | Diagnosis            | ICD-9-CM         |
| 188.1       | Malignant neoplasm of dome of urinary bladder                                  | Diagnosis            | ICD-9-CM         |
| 188.2       | Malignant neoplasm of lateral wall of urinary bladder                          | Diagnosis            | ICD-9-CM         |
| 188.3       | Malignant neoplasm of anterior wall of urinary bladder                         | Diagnosis            | ICD-9-CM         |
| 188.4       | Malignant neoplasm of posterior wall of urinary bladder                        | Diagnosis            | ICD-9-CM         |
| 188.5       | Malignant neoplasm of bladder neck   | Diagnosis            | ICD-9-CM         |
| 188.6       | Malignant neoplasm of ureteric orifice   | Diagnosis            | ICD-9-CM         |
| 188.7       | Malignant neoplasm of urachus  | Diagnosis            | ICD-9-CM         |
| 188.8       | Malignant neoplasm of other specified sites of bladder                         | Diagnosis            | ICD-9-CM         |
| 188.9       | Malignant neoplasm of bladder, part unspecified                                | Diagnosis            | ICD-9-CM         |
| 189         | Malignant neoplasm of kidney and other and unspecified urinary organs          | Diagnosis            | ICD-9-CM         |
| 189.0       | Malignant neoplasm of kidney, except pelvis                                    | Diagnosis            | ICD-9-CM         |
| 189.1       | Malignant neoplasm of renal pelvis   | Diagnosis            | ICD-9-CM         |
| 189.2       | Malignant neoplasm of ureter   | Diagnosis            | ICD-9-CM         |
| 189.3       | Malignant neoplasm of urethra  | Diagnosis            | ICD-9-CM         |
| 189.4       | Malignant neoplasm of paraurethral glands                                      | Diagnosis            | ICD-9-CM         |
| 189.8       | Malignant neoplasm of other specified sites of urinary organs                  | Diagnosis            | ICD-9-CM         |
| 189.9       | Malignant neoplasm of urinary organ, site unspecified                          | Diagnosis            | ICD-9-CM         |
| 190         | Malignant neoplasm of eye  | Diagnosis            | ICD-9-CM         |
| 190.0       | Malignant neoplasm of eyeball, except conjunctiva, cornea, retina, and choroid | Diagnosis            | ICD-9-CM         |
| 190.1       | Malignant neoplasm of orbit  | Diagnosis            | ICD-9-CM         |
| 190.2       | Malignant neoplasm of lacrimal gland   | Diagnosis            | ICD-9-CM         |
| 190.3       | Malignant neoplasm of conjunctiva  | Diagnosis            | ICD-9-CM         |
| 190.4       | Malignant neoplasm of cornea   | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 190.5       | Malignant neoplasm of retina  | Diagnosis            | ICD-9-CM         |
| 190.6       | Malignant neoplasm of choroid   | Diagnosis            | ICD-9-CM         |
| 190.7       | Malignant neoplasm of lacrimal duct   | Diagnosis            | ICD-9-CM         |
| 190.8       | Malignant neoplasm of other specified sites of eye                                  | Diagnosis            | ICD-9-CM         |
| 190.9       | Malignant neoplasm of eye, part unspecified   | Diagnosis            | ICD-9-CM         |
| 191         | Malignant neoplasm of brain   | Diagnosis            | ICD-9-CM         |
| 191.0       | Malignant neoplasm of cerebrum, except lobes and ventricles                         | Diagnosis            | ICD-9-CM         |
| 191.1       | Malignant neoplasm of frontal lobe of brain   | Diagnosis            | ICD-9-CM         |
| 191.2       | Malignant neoplasm of temporal lobe of brain  | Diagnosis            | ICD-9-CM         |
| 191.3       | Malignant neoplasm of parietal lobe of brain  | Diagnosis            | ICD-9-CM         |
| 191.4       | Malignant neoplasm of occipital lobe of brain                                       | Diagnosis            | ICD-9-CM         |
| 191.5       | Malignant neoplasm of ventricles of brain   | Diagnosis            | ICD-9-CM         |
| 191.6       | Malignant neoplasm of cerebellum NOS  | Diagnosis            | ICD-9-CM         |
| 191.7       | Malignant neoplasm of brain stem  | Diagnosis            | ICD-9-CM         |
| 191.8       | Malignant neoplasm of other parts of brain  | Diagnosis            | ICD-9-CM         |
| 191.9       | Malignant neoplasm of brain, unspecified site                                       | Diagnosis            | ICD-9-CM         |
| 192         | Malignant neoplasm of other and unspecified parts of nervous system                 | Diagnosis            | ICD-9-CM         |
| 192.0       | Malignant neoplasm of cranial nerves  | Diagnosis            | ICD-9-CM         |
| 192.1       | Malignant neoplasm of cerebral meninges   | Diagnosis            | ICD-9-CM         |
| 192.2       | Malignant neoplasm of spinal cord   | Diagnosis            | ICD-9-CM         |
| 192.3       | Malignant neoplasm of spinal meninges   | Diagnosis            | ICD-9-CM         |
| 192.8       | Malignant neoplasm of other specified sites of nervous system                       | Diagnosis            | ICD-9-CM         |
| 192.9       | Malignant neoplasm of nervous system, part unspecified                              | Diagnosis            | ICD-9-CM         |
| 193         | Malignant neoplasm of thyroid gland   | Diagnosis            | ICD-9-CM         |
| 194         | Malignant neoplasm of other endocrine glands and related structures                 | Diagnosis            | ICD-9-CM         |
| 194.0       | Malignant neoplasm of adrenal gland   | Diagnosis            | ICD-9-CM         |
| 194.1       | Malignant neoplasm of parathyroid gland   | Diagnosis            | ICD-9-CM         |
| 194.3       | Malignant neoplasm of pituitary gland and craniopharyngeal duct                     | Diagnosis            | ICD-9-CM         |
| 194.4       | Malignant neoplasm of pineal gland  | Diagnosis            | ICD-9-CM         |
| 194.5       | Malignant neoplasm of carotid body  | Diagnosis            | ICD-9-CM         |
| 194.6       | Malignant neoplasm of aortic body and other paraganglia                             | Diagnosis            | ICD-9-CM         |
| 194.8       | Malignant neoplasm of other endocrine glands and related structures                 | Diagnosis            | ICD-9-CM         |
| 194.9       | Malignant neoplasm of endocrine gland, site unspecified                             | Diagnosis            | ICD-9-CM         |
| 195         | Malignant neoplasm of other and ill-defined sites                                   | Diagnosis            | ICD-9-CM         |
| 195.0       | Malignant neoplasm of head, face, and neck  | Diagnosis            | ICD-9-CM         |
| 195.1       | Malignant neoplasm of thorax  | Diagnosis            | ICD-9-CM         |
| 195.2       | Malignant neoplasm of abdomen   | Diagnosis            | ICD-9-CM         |
| 195.3       | Malignant neoplasm of pelvis  | Diagnosis            | ICD-9-CM         |
| 195.4       | Malignant neoplasm of upper limb  | Diagnosis            | ICD-9-CM         |
| 195.5       | Malignant neoplasm of lower limb  | Diagnosis            | ICD-9-CM         |
| 195.8       | Malignant neoplasm of other specified sites   | Diagnosis            | ICD-9-CM         |
| 196         | Secondary and unspecified malignant neoplasm of lymph nodes                         | Diagnosis            | ICD-9-CM         |
| 196.0       | Secondary and unspecified malignant neoplasm of lymph nodes of head, face, and neck | Diagnosis            | ICD-9-CM         |
| 196.1       | Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes           | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 196.2       | Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes                   | Diagnosis            | ICD-9-CM         |
| 196.3       | Secondary and unspecified malignant neoplasm of lymph nodes of axilla and upper limb          | Diagnosis            | ICD-9-CM         |
| 196.5       | Secondary and unspecified malignant neoplasm of lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-9-CM         |
| 196.6       | Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes                       | Diagnosis            | ICD-9-CM         |
| 196.8       | Secondary and unspecified malignant neoplasm of lymph nodes of multiple sites                 | Diagnosis            | ICD-9-CM         |
| 196.9       | Secondary and unspecified malignant neoplasm of lymph nodes, site unspecified                 | Diagnosis            | ICD-9-CM         |
| 197         | Secondary malignant neoplasm of respiratory and digestive systems                             | Diagnosis            | ICD-9-CM         |
| 197.0       | Secondary malignant neoplasm of lung  | Diagnosis            | ICD-9-CM         |
| 197.1       | Secondary malignant neoplasm of mediastinum   | Diagnosis            | ICD-9-CM         |
| 197.2       | Secondary malignant neoplasm of pleura  | Diagnosis            | ICD-9-CM         |
| 197.3       | Secondary malignant neoplasm of other respiratory organs                                      | Diagnosis            | ICD-9-CM         |
| 197.4       | Secondary malignant neoplasm of small intestine including duodenum                            | Diagnosis            | ICD-9-CM         |
| 197.5       | Secondary malignant neoplasm of large intestine and rectum                                    | Diagnosis            | ICD-9-CM         |
| 197.6       | Secondary malignant neoplasm of retroperitoneum and peritoneum                                | Diagnosis            | ICD-9-CM         |
| 197.7       | Secondary malignant neoplasm of liver   | Diagnosis            | ICD-9-CM         |
| 197.8       | Secondary malignant neoplasm of other digestive organs and spleen                             | Diagnosis            | ICD-9-CM         |
| 198         | Secondary malignant neoplasm of other specified sites   | Diagnosis            | ICD-9-CM         |
| 198.0       | Secondary malignant neoplasm of kidney  | Diagnosis            | ICD-9-CM         |
| 198.1       | Secondary malignant neoplasm of other urinary organs  | Diagnosis            | ICD-9-CM         |
| 198.2       | Secondary malignant neoplasm of skin  | Diagnosis            | ICD-9-CM         |
| 198.3       | Secondary malignant neoplasm of brain and spinal cord   | Diagnosis            | ICD-9-CM         |
| 198.4       | Secondary malignant neoplasm of other parts of nervous system                                 | Diagnosis            | ICD-9-CM         |
| 198.5       | Secondary malignant neoplasm of bone and bone marrow  | Diagnosis            | ICD-9-CM         |
| 198.6       | Secondary malignant neoplasm of ovary   | Diagnosis            | ICD-9-CM         |
| 198.7       | Secondary malignant neoplasm of adrenal gland   | Diagnosis            | ICD-9-CM         |
| 198.8       | Secondary malignant neoplasm of other specified sites   | Diagnosis            | ICD-9-CM         |
| 198.81      | Secondary malignant neoplasm of breast  | Diagnosis            | ICD-9-CM         |
| 198.82      | Secondary malignant neoplasm of genital organs  | Diagnosis            | ICD-9-CM         |
| 198.89      | Secondary malignant neoplasm of other specified sites   | Diagnosis            | ICD-9-CM         |
| 199         | Malignant neoplasm without specification of site  | Diagnosis            | ICD-9-CM         |
| 199.0       | Disseminated malignant neoplasm   | Diagnosis            | ICD-9-CM         |
| 199.1       | Other malignant neoplasm of unspecified site  | Diagnosis            | ICD-9-CM         |
| 199.2       | Malignant neoplasm associated with transplanted organ   | Diagnosis            | ICD-9-CM         |
| 200         | Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue    | Diagnosis            | ICD-9-CM         |
| 200.0       | Reticulosarcoma   | Diagnosis            | ICD-9-CM         |
| 200.00      | Reticulosarcoma, unspecified site, extranodal and solid organ sites                           | Diagnosis            | ICD-9-CM         |
| 200.01      | Reticulosarcoma of lymph nodes of head, face, and neck  | Diagnosis            | ICD-9-CM         |
| 200.02      | Reticulosarcoma of intrathoracic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 200.03      | Reticulosarcoma of intra-abdominal lymph nodes  | Diagnosis            | ICD-9-CM         |
| 200.04      | Reticulosarcoma of lymph nodes of axilla and upper limb                                       | Diagnosis            | ICD-9-CM         |
| 200.05      | Reticulosarcoma of lymph nodes of inguinal region and lower limb                              | Diagnosis            | ICD-9-CM         |
| 200.06      | Reticulosarcoma of intrapelvic lymph nodes  | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 200.07      | Reticulosarcoma of spleen   | Diagnosis            | ICD-9-CM         |
| 200.08      | Reticulosarcoma of lymph nodes of multiple sites                                | Diagnosis            | ICD-9-CM         |
| 200.1       | Lymphosarcoma   | Diagnosis            | ICD-9-CM         |
| 200.10      | Lymphosarcoma, unspecified site, extranodal and solid organ sites               | Diagnosis            | ICD-9-CM         |
| 200.11      | Lymphosarcoma of lymph nodes of head, face, and neck                            | Diagnosis            | ICD-9-CM         |
| 200.12      | Lymphosarcoma of intrathoracic lymph nodes                                      | Diagnosis            | ICD-9-CM         |
| 200.13      | Lymphosarcoma of intra-abdominal lymph nodes                                    | Diagnosis            | ICD-9-CM         |
| 200.14      | Lymphosarcoma of lymph nodes of axilla and upper limb                           | Diagnosis            | ICD-9-CM         |
| 200.15      | Lymphosarcoma of lymph nodes of inguinal region and lower limb                  | Diagnosis            | ICD-9-CM         |
| 200.16      | Lymphosarcoma of intrapelvic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 200.17      | Lymphosarcoma of spleen   | Diagnosis            | ICD-9-CM         |
| 200.18      | Lymphosarcoma of lymph nodes of multiple sites                                  | Diagnosis            | ICD-9-CM         |
| 200.2       | Burkitt's tumor or lymphoma   | Diagnosis            | ICD-9-CM         |
| 200.20      | Burkitt's tumor or lymphoma, unspecified site, extranodal and solid organ sites | Diagnosis            | ICD-9-CM         |
| 200.21      | Burkitt's tumor or lymphoma of lymph nodes of head, face, and neck              | Diagnosis            | ICD-9-CM         |
| 200.22      | Burkitt's tumor or lymphoma of intrathoracic lymph nodes                        | Diagnosis            | ICD-9-CM         |
| 200.23      | Burkitt's tumor or lymphoma of intra-abdominal lymph nodes                      | Diagnosis            | ICD-9-CM         |
| 200.24      | Burkitt's tumor or lymphoma of lymph nodes of axilla and upper limb             | Diagnosis            | ICD-9-CM         |
| 200.25      | Burkitt's tumor or lymphoma of lymph nodes of inguinal region and lower limb    | Diagnosis            | ICD-9-CM         |
| 200.26      | Burkitt's tumor or lymphoma of intrapelvic lymph nodes                          | Diagnosis            | ICD-9-CM         |
| 200.27      | Burkitt's tumor or lymphoma of spleen   | Diagnosis            | ICD-9-CM         |
| 200.28      | Burkitt's tumor or lymphoma of lymph nodes of multiple sites                    | Diagnosis            | ICD-9-CM         |
| 200.3       | Marginal zone lymphoma  | Diagnosis            | ICD-9-CM         |
| 200.30      | Marginal zone lymphoma, unspecified site, extranodal and solid organ sites      | Diagnosis            | ICD-9-CM         |
| 200.31      | Marginal zone lymphoma, lymph nodes of head, face, and neck                     | Diagnosis            | ICD-9-CM         |
| 200.32      | Marginal zone lymphoma, intrathoracic lymph nodes                               | Diagnosis            | ICD-9-CM         |
| 200.33      | Marginal zone lymphoma, intra-abdominal lymph nodes                             | Diagnosis            | ICD-9-CM         |
| 200.34      | Marginal zone lymphoma, lymph nodes of axilla and upper limb                    | Diagnosis            | ICD-9-CM         |
| 200.35      | Marginal zone lymphoma, lymph nodes of inguinal region and lower limb           | Diagnosis            | ICD-9-CM         |
| 200.36      | Marginal zone lymphoma, intrapelvic lymph nodes                                 | Diagnosis            | ICD-9-CM         |
| 200.37      | Marginal zone lymphoma, spleen  | Diagnosis            | ICD-9-CM         |
| 200.38      | Marginal zone lymphoma, lymph nodes of multiple sites                           | Diagnosis            | ICD-9-CM         |
| 200.4       | Mantle cell lymphoma  | Diagnosis            | ICD-9-CM         |
| 200.40      | Mantle cell lymphoma, unspecified site, extranodal and solid organ sites        | Diagnosis            | ICD-9-CM         |
| 200.41      | Mantle cell lymphoma, lymph nodes of head, face, and neck                       | Diagnosis            | ICD-9-CM         |
| 200.42      | Mantle cell lymphoma, intrathoracic lymph nodes                                 | Diagnosis            | ICD-9-CM         |
| 200.43      | Mantle cell lymphoma, intra-abdominal lymph nodes                               | Diagnosis            | ICD-9-CM         |
| 200.44      | Mantle cell lymphoma, lymph nodes of axilla and upper limb                      | Diagnosis            | ICD-9-CM         |
| 200.45      | Mantle cell lymphoma, lymph nodes of inguinal region and lower limb             | Diagnosis            | ICD-9-CM         |
| 200.46      | Mantle cell lymphoma, intrapelvic lymph nodes                                   | Diagnosis            | ICD-9-CM         |
| 200.47      | Mantle cell lymphoma, spleen  | Diagnosis            | ICD-9-CM         |
| 200.48      | Mantle cell lymphoma, lymph nodes of multiple sites                             | Diagnosis            | ICD-9-CM         |
| 200.5       | Primary central nervous system lymphoma   | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 200.50      | Primary central nervous system lymphoma, unspecified site, extranodal and solid organ sites                | Diagnosis            | ICD-9-CM         |
| 200.51      | Primary central nervous system lymphoma, lymph nodes of head, face, and neck                               | Diagnosis            | ICD-9-CM         |
| 200.52      | Primary central nervous system lymphoma, intrathoracic lymph nodes   | Diagnosis            | ICD-9-CM         |
| 200.53      | Primary central nervous system lymphoma, intra-abdominal lymph nodes                                       | Diagnosis            | ICD-9-CM         |
| 200.54      | Primary central nervous system lymphoma, lymph nodes of axilla and upper limb                              | Diagnosis            | ICD-9-CM         |
| 200.55      | Primary central nervous system lymphoma, lymph nodes of inguinal region and lower limb                     | Diagnosis            | ICD-9-CM         |
| 200.56      | Primary central nervous system lymphoma, intrapelvic lymph nodes   | Diagnosis            | ICD-9-CM         |
| 200.57      | Primary central nervous system lymphoma, spleen  | Diagnosis            | ICD-9-CM         |
| 200.58      | Primary central nervous system lymphoma, lymph nodes of multiple sites                                     | Diagnosis            | ICD-9-CM         |
| 200.6       | Anaplastic large cell lymphoma   | Diagnosis            | ICD-9-CM         |
| 200.60      | Anaplastic large cell lymphoma, unspecified site, extranodal and solid organ sites                         | Diagnosis            | ICD-9-CM         |
| 200.61      | Anaplastic large cell lymphoma, lymph nodes of head, face, and neck  | Diagnosis            | ICD-9-CM         |
| 200.62      | Anaplastic large cell lymphoma, intrathoracic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 200.63      | Anaplastic large cell lymphoma, intra-abdominal lymph nodes  | Diagnosis            | ICD-9-CM         |
| 200.64      | Anaplastic large cell lymphoma, lymph nodes of axilla and upper limb                                       | Diagnosis            | ICD-9-CM         |
| 200.65      | Anaplastic large cell lymphoma, lymph nodes of inguinal region and lower limb                              | Diagnosis            | ICD-9-CM         |
| 200.66      | Anaplastic large cell lymphoma, intrapelvic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 200.67      | Anaplastic large cell lymphoma, spleen   | Diagnosis            | ICD-9-CM         |
| 200.68      | Anaplastic large cell lymphoma, lymph nodes of multiple sites  | Diagnosis            | ICD-9-CM         |
| 200.7       | Large cell lymphoma  | Diagnosis            | ICD-9-CM         |
| 200.70      | Large cell lymphoma, unspecified site, extranodal and solid organ sites                                    | Diagnosis            | ICD-9-CM         |
| 200.71      | Large cell lymphoma, lymph nodes of head, face, and neck   | Diagnosis            | ICD-9-CM         |
| 200.72      | Large cell lymphoma, intrathoracic lymph nodes   | Diagnosis            | ICD-9-CM         |
| 200.73      | Large cell lymphoma, intra-abdominal lymph nodes   | Diagnosis            | ICD-9-CM         |
| 200.74      | Large cell lymphoma, lymph nodes of axilla and upper limb  | Diagnosis            | ICD-9-CM         |
| 200.75      | Large cell lymphoma, lymph nodes of inguinal region and lower limb   | Diagnosis            | ICD-9-CM         |
| 200.76      | Large cell lymphoma, intrapelvic lymph nodes   | Diagnosis            | ICD-9-CM         |
| 200.77      | Large cell lymphoma, spleen  | Diagnosis            | ICD-9-CM         |
| 200.78      | Large cell lymphoma, lymph nodes of multiple sites   | Diagnosis            | ICD-9-CM         |
| 200.8       | Other named variants of lymphosarcoma and reticulosarcoma  | Diagnosis            | ICD-9-CM         |
| 200.80      | Other named variants, unspecified site, extranodal and solid organ sites                                   | Diagnosis            | ICD-9-CM         |
| 200.81      | Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of head, face, and neck           | Diagnosis            | ICD-9-CM         |
| 200.82      | Other named variants of lymphosarcoma and reticulosarcoma of intrathoracic lymph nodes                     | Diagnosis            | ICD-9-CM         |
| 200.83      | Other named variants of lymphosarcoma and reticulosarcoma of intra-abdominal lymph nodes                   | Diagnosis            | ICD-9-CM         |
| 200.84      | Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of axilla and upper limb          | Diagnosis            | ICD-9-CM         |
| 200.85      | Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-9-CM         |
| 200.86      | Other named variants of lymphosarcoma and reticulosarcoma of intrapelvic lymph nodes                       | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 200.87      | Other named variants of lymphosarcoma and reticulosarcoma of spleen   | Diagnosis            | ICD-9-CM         |
| 200.88      | Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of multiple sites                  | Diagnosis            | ICD-9-CM         |
| 201         | Hodgkin's disease   | Diagnosis            | ICD-9-CM         |
| 201.0       | Hodgkin's paragranuloma   | Diagnosis            | ICD-9-CM         |
| 201.00      | Hodgkin's paragranuloma, unspecified site, extranodal and solid organ sites                                 | Diagnosis            | ICD-9-CM         |
| 201.01      | Hodgkin's paragranuloma of lymph nodes of head, face, and neck  | Diagnosis            | ICD-9-CM         |
| 201.02      | Hodgkin's paragranuloma of intrathoracic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.03      | Hodgkin's paragranuloma of intra-abdominal lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.04      | Hodgkin's paragranuloma of lymph nodes of axilla and upper limb   | Diagnosis            | ICD-9-CM         |
| 201.05      | Hodgkin's paragranuloma of lymph nodes of inguinal region and lower limb                                    | Diagnosis            | ICD-9-CM         |
| 201.06      | Hodgkin's paragranuloma of intrapelvic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.07      | Hodgkin's paragranuloma of spleen   | Diagnosis            | ICD-9-CM         |
| 201.08      | Hodgkin's paragranuloma of lymph nodes of multiple sites  | Diagnosis            | ICD-9-CM         |
| 201.1       | Hodgkin's granuloma   | Diagnosis            | ICD-9-CM         |
| 201.10      | Hodgkin's granuloma, unspecified site, extranodal and solid organ sites                                     | Diagnosis            | ICD-9-CM         |
| 201.11      | Hodgkin's granuloma of lymph nodes of head, face, and neck  | Diagnosis            | ICD-9-CM         |
| 201.12      | Hodgkin's granuloma of intrathoracic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.13      | Hodgkin's granuloma of intra-abdominal lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.14      | Hodgkin's granuloma of lymph nodes of axilla and upper limb   | Diagnosis            | ICD-9-CM         |
| 201.15      | Hodgkin's granuloma of lymph nodes of inguinal region and lower limb  | Diagnosis            | ICD-9-CM         |
| 201.16      | Hodgkin's granuloma of intrapelvic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.17      | Hodgkin's granuloma of spleen   | Diagnosis            | ICD-9-CM         |
| 201.18      | Hodgkin's granuloma of lymph nodes of multiple sites  | Diagnosis            | ICD-9-CM         |
| 201.2       | Hodgkin's sarcoma   | Diagnosis            | ICD-9-CM         |
| 201.20      | Hodgkin's sarcoma, unspecified site, extranodal and solid organ sites                                       | Diagnosis            | ICD-9-CM         |
| 201.21      | Hodgkin's sarcoma of lymph nodes of head, face, and neck  | Diagnosis            | ICD-9-CM         |
| 201.22      | Hodgkin's sarcoma of intrathoracic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.23      | Hodgkin's sarcoma of intra-abdominal lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.24      | Hodgkin's sarcoma of lymph nodes of axilla and upper limb   | Diagnosis            | ICD-9-CM         |
| 201.25      | Hodgkin's sarcoma of lymph nodes of inguinal region and lower limb  | Diagnosis            | ICD-9-CM         |
| 201.26      | Hodgkin's sarcoma of intrapelvic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.27      | Hodgkin's sarcoma of spleen   | Diagnosis            | ICD-9-CM         |
| 201.28      | Hodgkin's sarcoma of lymph nodes of multiple sites  | Diagnosis            | ICD-9-CM         |
| 201.4       | Hodgkin's disease, lymphocytic-histiocytic predominance   | Diagnosis            | ICD-9-CM         |
| 201.40      | Hodgkin's disease, lymphocytic-histiocytic predominance, unspecified site, extranodal and solid organ sites | Diagnosis            | ICD-9-CM         |
| 201.41      | Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of head, face, and neck              | Diagnosis            | ICD-9-CM         |
| 201.42      | Hodgkin's disease, lymphocytic-histiocytic predominance of intrathoracic lymph nodes                        | Diagnosis            | ICD-9-CM         |
| 201.43      | Hodgkin's disease, lymphocytic-histiocytic predominance of intra-abdominal lymph nodes                      | Diagnosis            | ICD-9-CM         |
| 201.44      | Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of axilla and upper limb             | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 201.45      | Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-9-CM         |
| 201.46      | Hodgkin's disease, lymphocytic-histiocytic predominance of intrapelvic lymph nodes                       | Diagnosis            | ICD-9-CM         |
| 201.47      | Hodgkin's disease, lymphocytic-histiocytic predominance of spleen  | Diagnosis            | ICD-9-CM         |
| 201.48      | Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of multiple sites                 | Diagnosis            | ICD-9-CM         |
| 201.5       | Hodgkin's disease, nodular sclerosis   | Diagnosis            | ICD-9-CM         |
| 201.50      | Hodgkin's disease, nodular sclerosis, unspecified site, extranodal and solid organ sites                 | Diagnosis            | ICD-9-CM         |
| 201.51      | Hodgkin's disease, nodular sclerosis, of lymph nodes of head, face, and neck                             | Diagnosis            | ICD-9-CM         |
| 201.52      | Hodgkin's disease, nodular sclerosis, of intrathoracic lymph nodes                                       | Diagnosis            | ICD-9-CM         |
| 201.53      | Hodgkin's disease, nodular sclerosis, of intra-abdominal lymph nodes                                     | Diagnosis            | ICD-9-CM         |
| 201.54      | Hodgkin's disease, nodular sclerosis, of lymph nodes of axilla and upper limb                            | Diagnosis            | ICD-9-CM         |
| 201.55      | Hodgkin's disease, nodular sclerosis, of lymph nodes of inguinal region and lower limb                   | Diagnosis            | ICD-9-CM         |
| 201.56      | Hodgkin's disease, nodular sclerosis, of intrapelvic lymph nodes   | Diagnosis            | ICD-9-CM         |
| 201.57      | Hodgkin's disease, nodular sclerosis, of spleen  | Diagnosis            | ICD-9-CM         |
| 201.58      | Hodgkin's disease, nodular sclerosis, of lymph nodes of multiple sites                                   | Diagnosis            | ICD-9-CM         |
| 201.6       | Hodgkin's disease, mixed cellularity   | Diagnosis            | ICD-9-CM         |
| 201.60      | Hodgkin's disease, mixed cellularity, unspecified site, extranodal and solid organ sites                 | Diagnosis            | ICD-9-CM         |
| 201.61      | Hodgkin's disease, mixed cellularity, involving lymph nodes of head, face, and neck                      | Diagnosis            | ICD-9-CM         |
| 201.62      | Hodgkin's disease, mixed cellularity, of intrathoracic lymph nodes                                       | Diagnosis            | ICD-9-CM         |
| 201.63      | Hodgkin's disease, mixed cellularity, of intra-abdominal lymph nodes                                     | Diagnosis            | ICD-9-CM         |
| 201.64      | Hodgkin's disease, mixed cellularity, of lymph nodes of axilla and upper limb                            | Diagnosis            | ICD-9-CM         |
| 201.65      | Hodgkin's disease, mixed cellularity, of lymph nodes of inguinal region and lower limb                   | Diagnosis            | ICD-9-CM         |
| 201.66      | Hodgkin's disease, mixed cellularity, of intrapelvic lymph nodes   | Diagnosis            | ICD-9-CM         |
| 201.67      | Hodgkin's disease, mixed cellularity, of spleen  | Diagnosis            | ICD-9-CM         |
| 201.68      | Hodgkin's disease, mixed cellularity, of lymph nodes of multiple sites                                   | Diagnosis            | ICD-9-CM         |
| 201.7       | Hodgkin's disease, lymphocytic depletion   | Diagnosis            | ICD-9-CM         |
| 201.70      | Hodgkin's disease, lymphocytic depletion, unspecified site, extranodal and solid organ sites             | Diagnosis            | ICD-9-CM         |
| 201.71      | Hodgkin's disease, lymphocytic depletion, of lymph nodes of head, face, and neck                         | Diagnosis            | ICD-9-CM         |
| 201.72      | Hodgkin's disease, lymphocytic depletion, of intrathoracic lymph nodes                                   | Diagnosis            | ICD-9-CM         |
| 201.73      | Hodgkin's disease, lymphocytic depletion, of intra-abdominal lymph nodes                                 | Diagnosis            | ICD-9-CM         |
| 201.74      | Hodgkin's disease, lymphocytic depletion, of lymph nodes of axilla and upper limb                        | Diagnosis            | ICD-9-CM         |
| 201.75      | Hodgkin's disease, lymphocytic depletion, of lymph nodes of inguinal region and lower limb               | Diagnosis            | ICD-9-CM         |
| 201.76      | Hodgkin's disease, lymphocytic depletion, of intrapelvic lymph nodes                                     | Diagnosis            | ICD-9-CM         |
| 201.77      | Hodgkin's disease, lymphocytic depletion, of spleen  | Diagnosis            | ICD-9-CM         |
| 201.78      | Hodgkin's disease, lymphocytic depletion, of lymph nodes of multiple sites                               | Diagnosis            | ICD-9-CM         |
| 201.9       | Hodgkin's disease, unspecified type  | Diagnosis            | ICD-9-CM         |
| 201.90      | Hodgkin's disease, unspecified type, unspecified site, extranodal and solid organ sites                  | Diagnosis            | ICD-9-CM         |
| 201.91      | Hodgkin's disease, unspecified type, of lymph nodes of head, face, and neck                              | Diagnosis            | ICD-9-CM         |
| 201.92      | Hodgkin's disease, unspecified type, of intrathoracic lymph nodes  | Diagnosis            | ICD-9-CM         |
| 201.93      | Hodgkin's disease, unspecified type, of intra-abdominal lymph nodes                                      | Diagnosis            | ICD-9-CM         |
| 201.94      | Hodgkin's disease, unspecified type, of lymph nodes of axilla and upper limb                             | Diagnosis            | ICD-9-CM         |
| 201.95      | Hodgkin's disease, unspecified type, of lymph nodes of inguinal region and lower limb                    | Diagnosis            | ICD-9-CM         |



**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 201.96      | Hodgkin's disease, unspecified type, of intrapelvic lymph nodes             | Diagnosis            | ICD-9-CM         |
| 201.97      | Hodgkin's disease, unspecified type, of spleen                              | Diagnosis            | ICD-9-CM         |
| 201.98      | Hodgkin's disease, unspecified type, of lymph nodes of multiple sites       | Diagnosis            | ICD-9-CM         |
| 202         | Other malignant neoplasms of lymphoid and histiocytic tissue                | Diagnosis            | ICD-9-CM         |
| 202.0       | Nodular lymphoma  | Diagnosis            | ICD-9-CM         |
| 202.00      | Nodular lymphoma, unspecified site, extranodal and solid organ sites        | Diagnosis            | ICD-9-CM         |
| 202.01      | Nodular lymphoma of lymph nodes of head, face, and neck                     | Diagnosis            | ICD-9-CM         |
| 202.02      | Nodular lymphoma of intrathoracic lymph nodes                               | Diagnosis            | ICD-9-CM         |
| 202.03      | Nodular lymphoma of intra-abdominal lymph nodes                             | Diagnosis            | ICD-9-CM         |
| 202.04      | Nodular lymphoma of lymph nodes of axilla and upper limb                    | Diagnosis            | ICD-9-CM         |
| 202.05      | Nodular lymphoma of lymph nodes of inguinal region and lower limb           | Diagnosis            | ICD-9-CM         |
| 202.06      | Nodular lymphoma of intrapelvic lymph nodes                                 | Diagnosis            | ICD-9-CM         |
| 202.07      | Nodular lymphoma of spleen  | Diagnosis            | ICD-9-CM         |
| 202.08      | Nodular lymphoma of lymph nodes of multiple sites                           | Diagnosis            | ICD-9-CM         |
| 202.1       | Mycosis fungoides   | Diagnosis            | ICD-9-CM         |
| 202.10      | Mycosis fungoides, unspecified site, extranodal and solid organ sites       | Diagnosis            | ICD-9-CM         |
| 202.11      | Mycosis fungoides of lymph nodes of head, face, and neck                    | Diagnosis            | ICD-9-CM         |
| 202.12      | Mycosis fungoides of intrathoracic lymph nodes                              | Diagnosis            | ICD-9-CM         |
| 202.13      | Mycosis fungoides of intra-abdominal lymph nodes                            | Diagnosis            | ICD-9-CM         |
| 202.14      | Mycosis fungoides of lymph nodes of axilla and upper limb                   | Diagnosis            | ICD-9-CM         |
| 202.15      | Mycosis fungoides of lymph nodes of inguinal region and lower limb          | Diagnosis            | ICD-9-CM         |
| 202.16      | Mycosis fungoides of intrapelvic lymph nodes                                | Diagnosis            | ICD-9-CM         |
| 202.17      | Mycosis fungoides of spleen   | Diagnosis            | ICD-9-CM         |
| 202.18      | Mycosis fungoides of lymph nodes of multiple sites                          | Diagnosis            | ICD-9-CM         |
| 202.2       | Sezary's disease  | Diagnosis            | ICD-9-CM         |
| 202.20      | Sezary's disease, unspecified site, extranodal and solid organ sites        | Diagnosis            | ICD-9-CM         |
| 202.21      | Sezary's disease of lymph nodes of head, face, and neck                     | Diagnosis            | ICD-9-CM         |
| 202.22      | Sezary's disease of intrathoracic lymph nodes                               | Diagnosis            | ICD-9-CM         |
| 202.23      | Sezary's disease of intra-abdominal lymph nodes                             | Diagnosis            | ICD-9-CM         |
| 202.24      | Sezary's disease of lymph nodes of axilla and upper limb                    | Diagnosis            | ICD-9-CM         |
| 202.25      | Sezary's disease of lymph nodes of inguinal region and lower limb           | Diagnosis            | ICD-9-CM         |
| 202.26      | Sezary's disease of intrapelvic lymph nodes                                 | Diagnosis            | ICD-9-CM         |
| 202.27      | Sezary's disease of spleen  | Diagnosis            | ICD-9-CM         |
| 202.28      | Sezary's disease of lymph nodes of multiple sites                           | Diagnosis            | ICD-9-CM         |
| 202.3       | Malignant histiocytosis   | Diagnosis            | ICD-9-CM         |
| 202.30      | Malignant histiocytosis, unspecified site, extranodal and solid organ sites | Diagnosis            | ICD-9-CM         |
| 202.31      | Malignant histiocytosis of lymph nodes of head, face, and neck              | Diagnosis            | ICD-9-CM         |
| 202.32      | Malignant histiocytosis of intrathoracic lymph nodes                        | Diagnosis            | ICD-9-CM         |
| 202.33      | Malignant histiocytosis of intra-abdominal lymph nodes                      | Diagnosis            | ICD-9-CM         |
| 202.34      | Malignant histiocytosis of lymph nodes of axilla and upper limb             | Diagnosis            | ICD-9-CM         |
| 202.35      | Malignant histiocytosis of lymph nodes of inguinal region and lower limb    | Diagnosis            | ICD-9-CM         |
| 202.36      | Malignant histiocytosis of intrapelvic lymph nodes                          | Diagnosis            | ICD-9-CM         |
| 202.37      | Malignant histiocytosis of spleen   | Diagnosis            | ICD-9-CM         |
| 202.38      | Malignant histiocytosis of lymph nodes of multiple sites                    | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 202.4       | Leukemic reticuloendotheliosis   | Diagnosis            | ICD-9-CM         |
| 202.40      | Leukemic reticuloendotheliosis, unspecified site, extranodal and solid organ sites | Diagnosis            | ICD-9-CM         |
| 202.41      | Leukemic reticuloendotheliosis of lymph nodes of head, face, and neck              | Diagnosis            | ICD-9-CM         |
| 202.42      | Leukemic reticuloendotheliosis of intrathoracic lymph nodes                        | Diagnosis            | ICD-9-CM         |
| 202.43      | Leukemic reticuloendotheliosis of intra-abdominal lymph nodes                      | Diagnosis            | ICD-9-CM         |
| 202.44      | Leukemic reticuloendotheliosis of lymph nodes of axilla and upper limb             | Diagnosis            | ICD-9-CM         |
| 202.45      | Leukemic reticuloendotheliosis of lymph nodes of inguinal region and lower limb    | Diagnosis            | ICD-9-CM         |
| 202.46      | Leukemic reticuloendotheliosis of intrapelvic lymph nodes                          | Diagnosis            | ICD-9-CM         |
| 202.47      | Leukemic reticuloendotheliosis of spleen   | Diagnosis            | ICD-9-CM         |
| 202.48      | Leukemic reticuloendotheliosis of lymph nodes of multiple sites                    | Diagnosis            | ICD-9-CM         |
| 202.5       | Letterer-Siwe disease  | Diagnosis            | ICD-9-CM         |
| 202.50      | Letterer-Siwe disease, unspecified site, extranodal and solid organ sites          | Diagnosis            | ICD-9-CM         |
| 202.51      | Letterer-Siwe disease of lymph nodes of head, face, and neck                       | Diagnosis            | ICD-9-CM         |
| 202.52      | Letterer-Siwe disease of intrathoracic lymph nodes                                 | Diagnosis            | ICD-9-CM         |
| 202.53      | Letterer-Siwe disease of intra-abdominal lymph nodes                               | Diagnosis            | ICD-9-CM         |
| 202.54      | Letterer-Siwe disease of lymph nodes of axilla and upper limb                      | Diagnosis            | ICD-9-CM         |
| 202.55      | Letterer-Siwe disease of lymph nodes of inguinal region and lower limb             | Diagnosis            | ICD-9-CM         |
| 202.56      | Letterer-Siwe disease of intrapelvic lymph nodes                                   | Diagnosis            | ICD-9-CM         |
| 202.57      | Letterer-Siwe disease of spleen  | Diagnosis            | ICD-9-CM         |
| 202.58      | Letterer-Siwe disease of lymph nodes of multiple sites                             | Diagnosis            | ICD-9-CM         |
| 202.6       | Malignant mast cell tumors   | Diagnosis            | ICD-9-CM         |
| 202.60      | Malignant mast cell tumors, unspecified site, extranodal and solid organ sites     | Diagnosis            | ICD-9-CM         |
| 202.61      | Malignant mast cell tumors of lymph nodes of head, face, and neck                  | Diagnosis            | ICD-9-CM         |
| 202.62      | Malignant mast cell tumors of intrathoracic lymph nodes                            | Diagnosis            | ICD-9-CM         |
| 202.63      | Malignant mast cell tumors of intra-abdominal lymph nodes                          | Diagnosis            | ICD-9-CM         |
| 202.64      | Malignant mast cell tumors of lymph nodes of axilla and upper limb                 | Diagnosis            | ICD-9-CM         |
| 202.65      | Malignant mast cell tumors of lymph nodes of inguinal region and lower limb        | Diagnosis            | ICD-9-CM         |
| 202.66      | Malignant mast cell tumors of intrapelvic lymph nodes                              | Diagnosis            | ICD-9-CM         |
| 202.67      | Malignant mast cell tumors of spleen   | Diagnosis            | ICD-9-CM         |
| 202.68      | Malignant mast cell tumors of lymph nodes of multiple sites                        | Diagnosis            | ICD-9-CM         |
| 202.7       | Peripheral T-cell lymphoma   | Diagnosis            | ICD-9-CM         |
| 202.70      | Peripheral T-cell lymphoma, unspecified site, extranodal and solid organ sites     | Diagnosis            | ICD-9-CM         |
| 202.71      | Peripheral T-cell lymphoma, lymph nodes of head, face, and neck                    | Diagnosis            | ICD-9-CM         |
| 202.72      | Peripheral T-cell lymphoma, intrathoracic lymph nodes                              | Diagnosis            | ICD-9-CM         |
| 202.73      | Peripheral T-cell lymphoma, intra-abdominal lymph nodes                            | Diagnosis            | ICD-9-CM         |
| 202.74      | Peripheral T-cell lymphoma, lymph nodes of axilla and upper limb                   | Diagnosis            | ICD-9-CM         |
| 202.75      | Peripheral T-cell lymphoma, lymph nodes of inguinal region and lower limb          | Diagnosis            | ICD-9-CM         |
| 202.76      | Peripheral T-cell lymphoma, intrapelvic lymph nodes                                | Diagnosis            | ICD-9-CM         |
| 202.77      | Peripheral T-cell lymphoma, spleen   | Diagnosis            | ICD-9-CM         |
| 202.78      | Peripheral T-cell lymphoma, lymph nodes of multiple sites                          | Diagnosis            | ICD-9-CM         |
| 202.8       | Other malignant lymphomas  | Diagnosis            | ICD-9-CM         |
| 202.80      | Other malignant lymphomas, unspecified site, extranodal and solid organ sites      | Diagnosis            | ICD-9-CM         |
| 202.81      | Other malignant lymphomas of lymph nodes of head, face, and neck                   | Diagnosis            | ICD-9-CM         |
| 202.82      | Other malignant lymphomas of intrathoracic lymph nodes                             | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 202.83      | Other malignant lymphomas of intra-abdominal lymph nodes   | Diagnosis            | ICD-9-CM         |
| 202.84      | Other malignant lymphomas of lymph nodes of axilla and upper limb  | Diagnosis            | ICD-9-CM         |
| 202.85      | Other malignant lymphomas of lymph nodes of inguinal region and lower limb   | Diagnosis            | ICD-9-CM         |
| 202.86      | Other malignant lymphomas of intrapelvic lymph nodes   | Diagnosis            | ICD-9-CM         |
| 202.87      | Other malignant lymphomas of spleen  | Diagnosis            | ICD-9-CM         |
| 202.88      | Other malignant lymphomas of lymph nodes of multiple sites   | Diagnosis            | ICD-9-CM         |
| 202.9       | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue   | Diagnosis            | ICD-9-CM         |
| 202.90      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, unspecified site, extranodal and solid organ sites | Diagnosis            | ICD-9-CM         |
| 202.91      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of head, face, and neck              | Diagnosis            | ICD-9-CM         |
| 202.92      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrathoracic lymph nodes                        | Diagnosis            | ICD-9-CM         |
| 202.93      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intra-abdominal lymph nodes                      | Diagnosis            | ICD-9-CM         |
| 202.94      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of axilla and upper limb             | Diagnosis            | ICD-9-CM         |
| 202.95      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of inguinal region and lower limb    | Diagnosis            | ICD-9-CM         |
| 202.96      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrapelvic lymph nodes                          | Diagnosis            | ICD-9-CM         |
| 202.97      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of spleen   | Diagnosis            | ICD-9-CM         |
| 202.98      | Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of multiple sites                    | Diagnosis            | ICD-9-CM         |
| 203.1       | Plasma cell leukemia   | Diagnosis            | ICD-9-CM         |
| 203.10      | Plasma cell leukemia, without mention of having achieved remission   | Diagnosis            | ICD-9-CM         |
| 203.11      | Plasma cell leukemia in remission  | Diagnosis            | ICD-9-CM         |
| 203.12      | Plasma cell leukemia, in relapse   | Diagnosis            | ICD-9-CM         |
| 203.8       | Other immunoproliferative neoplasms  | Diagnosis            | ICD-9-CM         |
| 203.80      | Other immunoproliferative neoplasms, without mention of having achieved remission  | Diagnosis            | ICD-9-CM         |
| 203.81      | Other immunoproliferative neoplasms in remission   | Diagnosis            | ICD-9-CM         |
| 203.82      | Other immunoproliferative neoplasms, in relapse  | Diagnosis            | ICD-9-CM         |
| 204         | Lymphoid leukemia  | Diagnosis            | ICD-9-CM         |
| 204.0       | Acute lymphoid leukemia  | Diagnosis            | ICD-9-CM         |
| 204.00      | Acute lymphoid leukemia, without mention of having achieved remission  | Diagnosis            | ICD-9-CM         |
| 204.01      | Acute lymphoid leukemia in remission   | Diagnosis            | ICD-9-CM         |
| 204.02      | Acute lymphoid leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 204.1       | Chronic lymphoid leukemia  | Diagnosis            | ICD-9-CM         |
| 204.10      | Chronic lymphoid leukemia, without mention of having achieved remission  | Diagnosis            | ICD-9-CM         |
| 204.11      | Chronic lymphoid leukemia in remission   | Diagnosis            | ICD-9-CM         |
| 204.12      | Chronic lymphoid leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 204.2       | Subacute lymphoid leukemia   | Diagnosis            | ICD-9-CM         |
| 204.20      | Subacute lymphoid leukemia, without mention of having achieved remission   | Diagnosis            | ICD-9-CM         |
| 204.21      | Subacute lymphoid leukemia in remission  | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 204.22      | Subacute lymphoid leukemia, in relapse                                      | Diagnosis            | ICD-9-CM         |
| 204.8       | Other lymphoid leukemia   | Diagnosis            | ICD-9-CM         |
| 204.80      | Other lymphoid leukemia, without mention of having achieved remission       | Diagnosis            | ICD-9-CM         |
| 204.81      | Other lymphoid leukemia in remission  | Diagnosis            | ICD-9-CM         |
| 204.82      | Other lymphoid leukemia, in relapse   | Diagnosis            | ICD-9-CM         |
| 204.9       | Unspecified lymphoid leukemia   | Diagnosis            | ICD-9-CM         |
| 204.90      | Unspecified lymphoid leukemia, without mention of having achieved remission | Diagnosis            | ICD-9-CM         |
| 204.91      | Unspecified lymphoid leukemia in remission                                  | Diagnosis            | ICD-9-CM         |
| 204.92      | Unspecified lymphoid leukemia, in relapse                                   | Diagnosis            | ICD-9-CM         |
| 205         | Myeloid leukemia  | Diagnosis            | ICD-9-CM         |
| 205.0       | Acute myeloid leukemia  | Diagnosis            | ICD-9-CM         |
| 205.00      | Acute myeloid leukemia, without mention of having achieved remission        | Diagnosis            | ICD-9-CM         |
| 205.01      | Acute myeloid leukemia in remission   | Diagnosis            | ICD-9-CM         |
| 205.02      | Acute myeloid leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 205.1       | Chronic myeloid leukemia  | Diagnosis            | ICD-9-CM         |
| 205.10      | Chronic myeloid leukemia, without mention of having achieved remission      | Diagnosis            | ICD-9-CM         |
| 205.11      | Chronic myeloid leukemia in remission                                       | Diagnosis            | ICD-9-CM         |
| 205.12      | Chronic myeloid leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 205.2       | Subacute myeloid leukemia   | Diagnosis            | ICD-9-CM         |
| 205.20      | Subacute myeloid leukemia, without mention of having achieved remission     | Diagnosis            | ICD-9-CM         |
| 205.21      | Subacute myeloid leukemia in remission                                      | Diagnosis            | ICD-9-CM         |
| 205.22      | Subacute myeloid leukemia, in relapse                                       | Diagnosis            | ICD-9-CM         |
| 205.3       | Myeloid sarcoma   | Diagnosis            | ICD-9-CM         |
| 205.30      | Myeloid sarcoma, without mention of having achieved remission               | Diagnosis            | ICD-9-CM         |
| 205.31      | Myeloid sarcoma in remission  | Diagnosis            | ICD-9-CM         |
| 205.32      | Myeloid sarcoma, in relapse   | Diagnosis            | ICD-9-CM         |
| 205.8       | Other myeloid leukemia  | Diagnosis            | ICD-9-CM         |
| 205.80      | Other myeloid leukemia, without mention of having achieved remission        | Diagnosis            | ICD-9-CM         |
| 205.81      | Other myeloid leukemia in remission   | Diagnosis            | ICD-9-CM         |
| 205.82      | Other myeloid leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 205.9       | Unspecified myeloid leukemia  | Diagnosis            | ICD-9-CM         |
| 205.90      | Unspecified myeloid leukemia, without mention of having achieved remission  | Diagnosis            | ICD-9-CM         |
| 205.91      | Unspecified myeloid leukemia in remission                                   | Diagnosis            | ICD-9-CM         |
| 205.92      | Unspecified myeloid leukemia, in relapse                                    | Diagnosis            | ICD-9-CM         |
| 206         | Monocytic leukemia  | Diagnosis            | ICD-9-CM         |
| 206.0       | Acute monocytic leukemia  | Diagnosis            | ICD-9-CM         |
| 206.00      | Acute monocytic leukemia, without mention of having achieved remission      | Diagnosis            | ICD-9-CM         |
| 206.01      | Acute monocytic leukemia in remission                                       | Diagnosis            | ICD-9-CM         |
| 206.02      | Acute monocytic leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 206.1       | Chronic monocytic leukemia  | Diagnosis            | ICD-9-CM         |
| 206.10      | Chronic monocytic leukemia, without mention of having achieved remission    | Diagnosis            | ICD-9-CM         |
| 206.11      | Chronic monocytic leukemia in remission                                     | Diagnosis            | ICD-9-CM         |
| 206.12      | Chronic monocytic leukemia, in relapse                                      | Diagnosis            | ICD-9-CM         |
| 206.2       | Subacute monocytic leukemia   | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| 206.20      | Subacute monocytic leukemia, without mention of having achieved remission                | Diagnosis            | ICD-9-CM         |
| 206.21      | Subacute monocytic leukemia in remission   | Diagnosis            | ICD-9-CM         |
| 206.22      | Subacute monocytic leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 206.8       | Other monocytic leukemia   | Diagnosis            | ICD-9-CM         |
| 206.80      | Other monocytic leukemia, without mention of having achieved remission                   | Diagnosis            | ICD-9-CM         |
| 206.81      | Other monocytic leukemia in remission  | Diagnosis            | ICD-9-CM         |
| 206.82      | Other monocytic leukemia, in relapse   | Diagnosis            | ICD-9-CM         |
| 206.9       | Unspecified monocytic leukemia   | Diagnosis            | ICD-9-CM         |
| 206.90      | Unspecified monocytic leukemia, without mention of having achieved remission             | Diagnosis            | ICD-9-CM         |
| 206.91      | Unspecified monocytic leukemia in remission  | Diagnosis            | ICD-9-CM         |
| 206.92      | Unspecified monocytic leukemia, in relapse   | Diagnosis            | ICD-9-CM         |
| 207         | Other specified leukemia   | Diagnosis            | ICD-9-CM         |
| 207.0       | Acute erythremia and erythroleukemia   | Diagnosis            | ICD-9-CM         |
| 207.00      | Acute erythremia and erythroleukemia, without mention of having achieved remission       | Diagnosis            | ICD-9-CM         |
| 207.01      | Acute erythremia and erythroleukemia in remission  | Diagnosis            | ICD-9-CM         |
| 207.02      | Acute erythremia and erythroleukemia, in relapse   | Diagnosis            | ICD-9-CM         |
| 207.1       | Chronic erythremia   | Diagnosis            | ICD-9-CM         |
| 207.10      | Chronic erythremia, without mention of having achieved remission                         | Diagnosis            | ICD-9-CM         |
| 207.11      | Chronic erythremia in remission  | Diagnosis            | ICD-9-CM         |
| 207.12      | Chronic erythremia, in relapse   | Diagnosis            | ICD-9-CM         |
| 207.2       | Megakaryocytic leukemia  | Diagnosis            | ICD-9-CM         |
| 207.20      | Megakaryocytic leukemia, without mention of having achieved remission                    | Diagnosis            | ICD-9-CM         |
| 207.21      | Megakaryocytic leukemia in remission   | Diagnosis            | ICD-9-CM         |
| 207.22      | Megakaryocytic leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 207.8       | Other specified leukemia   | Diagnosis            | ICD-9-CM         |
| 207.80      | Other specified leukemia, without mention of having achieved remission                   | Diagnosis            | ICD-9-CM         |
| 207.81      | Other specified leukemia in remission  | Diagnosis            | ICD-9-CM         |
| 207.82      | Other specified leukemia, in relapse   | Diagnosis            | ICD-9-CM         |
| 208         | Leukemia of unspecified cell type  | Diagnosis            | ICD-9-CM         |
| 208.0       | Acute leukemia of unspecified cell type  | Diagnosis            | ICD-9-CM         |
| 208.00      | Acute leukemia of unspecified cell type, without mention of having achieved remission    | Diagnosis            | ICD-9-CM         |
| 208.01      | Acute leukemia of unspecified cell type in remission                                     | Diagnosis            | ICD-9-CM         |
| 208.02      | Acute leukemia of unspecified cell type, in relapse                                      | Diagnosis            | ICD-9-CM         |
| 208.1       | Chronic leukemia of unspecified cell type  | Diagnosis            | ICD-9-CM         |
| 208.10      | Chronic leukemia of unspecified cell type, without mention of having achieved remission  | Diagnosis            | ICD-9-CM         |
| 208.11      | Chronic leukemia of unspecified cell type in remission                                   | Diagnosis            | ICD-9-CM         |
| 208.12      | Chronic leukemia of unspecified cell type, in relapse                                    | Diagnosis            | ICD-9-CM         |
| 208.2       | Subacute leukemia of unspecified cell type   | Diagnosis            | ICD-9-CM         |
| 208.20      | Subacute leukemia of unspecified cell type, without mention of having achieved remission | Diagnosis            | ICD-9-CM         |
| 208.21      | Subacute leukemia of unspecified cell type in remission                                  | Diagnosis            | ICD-9-CM         |
| 208.22      | Subacute leukemia of unspecified cell type, in relapse                                   | Diagnosis            | ICD-9-CM         |
| 208.8       | Other leukemia of unspecified cell type  | Diagnosis            | ICD-9-CM         |
| 208.80      | Other leukemia of unspecified cell type, without mention of having achieved remission    | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 208.81      | Other leukemia of unspecified cell type in remission                    | Diagnosis            | ICD-9-CM         |
| 208.82      | Other leukemia of unspecified cell type, in relapse                     | Diagnosis            | ICD-9-CM         |
| 208.9       | Unspecified leukemia  | Diagnosis            | ICD-9-CM         |
| 208.90      | Unspecified leukemia, without mention of having achieved remission      | Diagnosis            | ICD-9-CM         |
| 208.91      | Unspecified leukemia in remission                                       | Diagnosis            | ICD-9-CM         |
| 208.92      | Unspecified leukemia, in relapse  | Diagnosis            | ICD-9-CM         |
| 209         | Neuroendocrine tumors   | Diagnosis            | ICD-9-CM         |
| 209.0       | Malignant carcinoid tumors of the small intestine                       | Diagnosis            | ICD-9-CM         |
| 209.00      | Malignant carcinoid tumor of the small intestine, unspecified portion   | Diagnosis            | ICD-9-CM         |
| 209.01      | Malignant carcinoid tumor of the duodenum                               | Diagnosis            | ICD-9-CM         |
| 209.02      | Malignant carcinoid tumor of the jejunum                                | Diagnosis            | ICD-9-CM         |
| 209.03      | Malignant carcinoid tumor of the ileum                                  | Diagnosis            | ICD-9-CM         |
| 209.1       | Malignant carcinoid tumors of the appendix, large intestine, and rectum | Diagnosis            | ICD-9-CM         |
| 209.10      | Malignant carcinoid tumor of the large intestine, unspecified portion   | Diagnosis            | ICD-9-CM         |
| 209.11      | Malignant carcinoid tumor of the appendix                               | Diagnosis            | ICD-9-CM         |
| 209.12      | Malignant carcinoid tumor of the cecum                                  | Diagnosis            | ICD-9-CM         |
| 209.13      | Malignant carcinoid tumor of the ascending colon                        | Diagnosis            | ICD-9-CM         |
| 209.14      | Malignant carcinoid tumor of the transverse colon                       | Diagnosis            | ICD-9-CM         |
| 209.15      | Malignant carcinoid tumor of the descending colon                       | Diagnosis            | ICD-9-CM         |
| 209.16      | Malignant carcinoid tumor of the sigmoid colon                          | Diagnosis            | ICD-9-CM         |
| 209.17      | Malignant carcinoid tumor of the rectum                                 | Diagnosis            | ICD-9-CM         |
| 209.2       | Malignant carcinoid tumors of other and unspecified sites               | Diagnosis            | ICD-9-CM         |
| 209.20      | Malignant carcinoid tumor of unknown primary site                       | Diagnosis            | ICD-9-CM         |
| 209.21      | Malignant carcinoid tumor of the bronchus and lung                      | Diagnosis            | ICD-9-CM         |
| 209.22      | Malignant carcinoid tumor of the thymus                                 | Diagnosis            | ICD-9-CM         |
| 209.23      | Malignant carcinoid tumor of the stomach                                | Diagnosis            | ICD-9-CM         |
| 209.24      | Malignant carcinoid tumor of the kidney                                 | Diagnosis            | ICD-9-CM         |
| 209.25      | Malignant carcinoid tumor of foregut, not otherwise specified           | Diagnosis            | ICD-9-CM         |
| 209.26      | Malignant carcinoid tumor of midgut, not otherwise specified            | Diagnosis            | ICD-9-CM         |
| 209.27      | Malignant carcinoid tumor of hindgut, not otherwise specified           | Diagnosis            | ICD-9-CM         |
| 209.29      | Malignant carcinoid tumor of other sites                                | Diagnosis            | ICD-9-CM         |
| 209.3       | Malignant poorly differentiated neuroendocrine tumors                   | Diagnosis            | ICD-9-CM         |
| 209.30      | Malignant poorly differentiated neuroendocrine carcinoma, any site      | Diagnosis            | ICD-9-CM         |
| 209.31      | Merkel cell carcinoma of the face                                       | Diagnosis            | ICD-9-CM         |
| 209.32      | Merkel cell carcinoma of the scalp and neck                             | Diagnosis            | ICD-9-CM         |
| 209.33      | Merkel cell carcinoma of the upper limb                                 | Diagnosis            | ICD-9-CM         |
| 209.34      | Merkel cell carcinoma of the lower limb                                 | Diagnosis            | ICD-9-CM         |
| 209.35      | Merkel cell carcinoma of the trunk                                      | Diagnosis            | ICD-9-CM         |
| 209.36      | Merkel cell carcinoma of other sites                                    | Diagnosis            | ICD-9-CM         |
| 209.4       | Benign carcinoid tumors of the small intestine                          | Diagnosis            | ICD-9-CM         |
| 209.40      | Benign carcinoid tumor of the small intestine, unspecified portion      | Diagnosis            | ICD-9-CM         |
| 209.41      | Benign carcinoid tumor of the duodenum                                  | Diagnosis            | ICD-9-CM         |
| 209.42      | Benign carcinoid tumor of the jejunum                                   | Diagnosis            | ICD-9-CM         |
| 209.43      | Benign carcinoid tumor of the ileum                                     | Diagnosis            | ICD-9-CM         |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| 209.5       | Benign carcinoid tumors of the appendix, large intestine, and rectum  | Diagnosis            | ICD-9-CM         |
| 209.50      | Benign carcinoid tumor of the large intestine, unspecified portion    | Diagnosis            | ICD-9-CM         |
| 209.51      | Benign carcinoid tumor of the appendix                                | Diagnosis            | ICD-9-CM         |
| 209.52      | Benign carcinoid tumor of the cecum                                   | Diagnosis            | ICD-9-CM         |
| 209.53      | Benign carcinoid tumor of the ascending colon                         | Diagnosis            | ICD-9-CM         |
| 209.54      | Benign carcinoid tumor of the transverse colon                        | Diagnosis            | ICD-9-CM         |
| 209.55      | Benign carcinoid tumor of the descending colon                        | Diagnosis            | ICD-9-CM         |
| 209.56      | Benign carcinoid tumor of the sigmoid colon                           | Diagnosis            | ICD-9-CM         |
| 209.57      | Benign carcinoid tumor of the rectum                                  | Diagnosis            | ICD-9-CM         |
| 209.6       | Benign carcinoid tumors of other and unspecified sites                | Diagnosis            | ICD-9-CM         |
| 209.60      | Benign carcinoid tumor of unknown primary site                        | Diagnosis            | ICD-9-CM         |
| 209.61      | Benign carcinoid tumor of the bronchus and lung                       | Diagnosis            | ICD-9-CM         |
| 209.62      | Benign carcinoid tumor of the thymus                                  | Diagnosis            | ICD-9-CM         |
| 209.63      | Benign carcinoid tumor of the stomach                                 | Diagnosis            | ICD-9-CM         |
| 209.64      | Benign carcinoid tumor of the kidney                                  | Diagnosis            | ICD-9-CM         |
| 209.65      | Benign carcinoid tumor of foregut, not otherwise specified            | Diagnosis            | ICD-9-CM         |
| 209.66      | Benign carcinoid tumor of midgut, not otherwise specified             | Diagnosis            | ICD-9-CM         |
| 209.67      | Benign carcinoid tumor of hindgut, not otherwise specified            | Diagnosis            | ICD-9-CM         |
| 209.69      | Benign carcinoid tumor of other sites                                 | Diagnosis            | ICD-9-CM         |
| 209.7       | Secondary neuroendocrine tumors                                       | Diagnosis            | ICD-9-CM         |
| 209.70      | Secondary neuroendocrine tumor, unspecified site                      | Diagnosis            | ICD-9-CM         |
| 209.71      | Secondary neuroendocrine tumor of distant lymph nodes                 | Diagnosis            | ICD-9-CM         |
| 209.72      | Secondary neuroendocrine tumor of liver                               | Diagnosis            | ICD-9-CM         |
| 209.73      | Secondary neuroendocrine tumor of bone                                | Diagnosis            | ICD-9-CM         |
| 209.74      | Secondary neuroendocrine tumor of peritoneum                          | Diagnosis            | ICD-9-CM         |
| 209.75      | Secondary Merkel cell carcinoma                                       | Diagnosis            | ICD-9-CM         |
| 209.79      | Secondary neuroendocrine tumor of other sites                         | Diagnosis            | ICD-9-CM         |
| C00.0       | Malignant neoplasm of external upper lip                              | Diagnosis            | ICD-10-CM        |
| C00.1       | Malignant neoplasm of external lower lip                              | Diagnosis            | ICD-10-CM        |
| C00.2       | Malignant neoplasm of external lip, unspecified                       | Diagnosis            | ICD-10-CM        |
| C00.3       | Malignant neoplasm of upper lip, inner aspect                         | Diagnosis            | ICD-10-CM        |
| C00.4       | Malignant neoplasm of lower lip, inner aspect                         | Diagnosis            | ICD-10-CM        |
| C00.5       | Malignant neoplasm of lip, unspecified, inner aspect                  | Diagnosis            | ICD-10-CM        |
| C00.6       | Malignant neoplasm of commissure of lip, unspecified                  | Diagnosis            | ICD-10-CM        |
| C00.8       | Malignant neoplasm of overlapping sites of lip                        | Diagnosis            | ICD-10-CM        |
| C00.9       | Malignant neoplasm of lip, unspecified                                | Diagnosis            | ICD-10-CM        |
| C01         | Malignant neoplasm of base of tongue                                  | Diagnosis            | ICD-10-CM        |
| C02.0       | Malignant neoplasm of dorsal surface of tongue                        | Diagnosis            | ICD-10-CM        |
| C02.1       | Malignant neoplasm of border of tongue                                | Diagnosis            | ICD-10-CM        |
| C02.2       | Malignant neoplasm of ventral surface of tongue                       | Diagnosis            | ICD-10-CM        |
| C02.3       | Malignant neoplasm of anterior two-thirds of tongue, part unspecified | Diagnosis            | ICD-10-CM        |
| C02.4       | Malignant neoplasm of lingual tonsil                                  | Diagnosis            | ICD-10-CM        |
| C02.8       | Malignant neoplasm of overlapping sites of tongue                     | Diagnosis            | ICD-10-CM        |
| C02.9       | Malignant neoplasm of tongue, unspecified                             | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C03.0       | Malignant neoplasm of upper gum                                       | Diagnosis            | ICD-10-CM        |
| C03.1       | Malignant neoplasm of lower gum                                       | Diagnosis            | ICD-10-CM        |
| C03.9       | Malignant neoplasm of gum, unspecified                                | Diagnosis            | ICD-10-CM        |
| C04.0       | Malignant neoplasm of anterior floor of mouth                         | Diagnosis            | ICD-10-CM        |
| C04.1       | Malignant neoplasm of lateral floor of mouth                          | Diagnosis            | ICD-10-CM        |
| C04.8       | Malignant neoplasm of overlapping sites of floor of mouth             | Diagnosis            | ICD-10-CM        |
| C04.9       | Malignant neoplasm of floor of mouth, unspecified                     | Diagnosis            | ICD-10-CM        |
| C05.0       | Malignant neoplasm of hard palate                                     | Diagnosis            | ICD-10-CM        |
| C05.1       | Malignant neoplasm of soft palate                                     | Diagnosis            | ICD-10-CM        |
| C05.2       | Malignant neoplasm of uvula   | Diagnosis            | ICD-10-CM        |
| C05.8       | Malignant neoplasm of overlapping sites of palate                     | Diagnosis            | ICD-10-CM        |
| C05.9       | Malignant neoplasm of palate, unspecified                             | Diagnosis            | ICD-10-CM        |
| C06.0       | Malignant neoplasm of cheek mucosa                                    | Diagnosis            | ICD-10-CM        |
| C06.1       | Malignant neoplasm of vestibule of mouth                              | Diagnosis            | ICD-10-CM        |
| C06.2       | Malignant neoplasm of retromolar area                                 | Diagnosis            | ICD-10-CM        |
| C06.80      | Malignant neoplasm of overlapping sites of unspecified parts of mouth | Diagnosis            | ICD-10-CM        |
| C06.89      | Malignant neoplasm of overlapping sites of other parts of mouth       | Diagnosis            | ICD-10-CM        |
| C06.9       | Malignant neoplasm of mouth, unspecified                              | Diagnosis            | ICD-10-CM        |
| C07         | Malignant neoplasm of parotid gland                                   | Diagnosis            | ICD-10-CM        |
| C08.0       | Malignant neoplasm of submandibular gland                             | Diagnosis            | ICD-10-CM        |
| C08.1       | Malignant neoplasm of sublingual gland                                | Diagnosis            | ICD-10-CM        |
| C08.9       | Malignant neoplasm of major salivary gland, unspecified               | Diagnosis            | ICD-10-CM        |
| C09.0       | Malignant neoplasm of tonsillar fossa                                 | Diagnosis            | ICD-10-CM        |
| C09.1       | Malignant neoplasm of tonsillar pillar (anterior) (posterior)         | Diagnosis            | ICD-10-CM        |
| C09.8       | Malignant neoplasm of overlapping sites of tonsil                     | Diagnosis            | ICD-10-CM        |
| C09.9       | Malignant neoplasm of tonsil, unspecified                             | Diagnosis            | ICD-10-CM        |
| C10.0       | Malignant neoplasm of vallecula                                       | Diagnosis            | ICD-10-CM        |
| C10.1       | Malignant neoplasm of anterior surface of epiglottis                  | Diagnosis            | ICD-10-CM        |
| C10.2       | Malignant neoplasm of lateral wall of oropharynx                      | Diagnosis            | ICD-10-CM        |
| C10.3       | Malignant neoplasm of posterior wall of oropharynx                    | Diagnosis            | ICD-10-CM        |
| C10.4       | Malignant neoplasm of branchial cleft                                 | Diagnosis            | ICD-10-CM        |
| C10.8       | Malignant neoplasm of overlapping sites of oropharynx                 | Diagnosis            | ICD-10-CM        |
| C10.9       | Malignant neoplasm of oropharynx, unspecified                         | Diagnosis            | ICD-10-CM        |
| C11.0       | Malignant neoplasm of superior wall of nasopharynx                    | Diagnosis            | ICD-10-CM        |
| C11.1       | Malignant neoplasm of posterior wall of nasopharynx                   | Diagnosis            | ICD-10-CM        |
| C11.2       | Malignant neoplasm of lateral wall of nasopharynx                     | Diagnosis            | ICD-10-CM        |
| C11.3       | Malignant neoplasm of anterior wall of nasopharynx                    | Diagnosis            | ICD-10-CM        |
| C11.8       | Malignant neoplasm of overlapping sites of nasopharynx                | Diagnosis            | ICD-10-CM        |
| C11.9       | Malignant neoplasm of nasopharynx, unspecified                        | Diagnosis            | ICD-10-CM        |
| C12         | Malignant neoplasm of pyriform sinus                                  | Diagnosis            | ICD-10-CM        |
| C13.0       | Malignant neoplasm of postcricoid region                              | Diagnosis            | ICD-10-CM        |
| C13.1       | Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect       | Diagnosis            | ICD-10-CM        |
| C13.2       | Malignant neoplasm of posterior wall of hypopharynx                   | Diagnosis            | ICD-10-CM        |
| C13.8       | Malignant neoplasm of overlapping sites of hypopharynx                | Diagnosis            | ICD-10-CM        |



**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C13.9       | Malignant neoplasm of hypopharynx, unspecified                          | Diagnosis            | ICD-10-CM        |
| C14.0       | Malignant neoplasm of pharynx, unspecified                              | Diagnosis            | ICD-10-CM        |
| C14.2       | Malignant neoplasm of Waldeyer's ring                                   | Diagnosis            | ICD-10-CM        |
| C14.8       | Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx | Diagnosis            | ICD-10-CM        |
| C15.3       | Malignant neoplasm of upper third of esophagus                          | Diagnosis            | ICD-10-CM        |
| C15.4       | Malignant neoplasm of middle third of esophagus                         | Diagnosis            | ICD-10-CM        |
| C15.5       | Malignant neoplasm of lower third of esophagus                          | Diagnosis            | ICD-10-CM        |
| C15.8       | Malignant neoplasm of overlapping sites of esophagus                    | Diagnosis            | ICD-10-CM        |
| C15.9       | Malignant neoplasm of esophagus, unspecified                            | Diagnosis            | ICD-10-CM        |
| C16.0       | Malignant neoplasm of cardia  | Diagnosis            | ICD-10-CM        |
| C16.1       | Malignant neoplasm of fundus of stomach                                 | Diagnosis            | ICD-10-CM        |
| C16.2       | Malignant neoplasm of body of stomach                                   | Diagnosis            | ICD-10-CM        |
| C16.3       | Malignant neoplasm of pyloric antrum                                    | Diagnosis            | ICD-10-CM        |
| C16.4       | Malignant neoplasm of pylorus   | Diagnosis            | ICD-10-CM        |
| C16.5       | Malignant neoplasm of lesser curvature of stomach, unspecified          | Diagnosis            | ICD-10-CM        |
| C16.6       | Malignant neoplasm of greater curvature of stomach, unspecified         | Diagnosis            | ICD-10-CM        |
| C16.8       | Malignant neoplasm of overlapping sites of stomach                      | Diagnosis            | ICD-10-CM        |
| C16.9       | Malignant neoplasm of stomach, unspecified                              | Diagnosis            | ICD-10-CM        |
| C17.0       | Malignant neoplasm of duodenum  | Diagnosis            | ICD-10-CM        |
| C17.1       | Malignant neoplasm of jejunum   | Diagnosis            | ICD-10-CM        |
| C17.2       | Malignant neoplasm of ileum   | Diagnosis            | ICD-10-CM        |
| C17.3       | Meckel's diverticulum, malignant  | Diagnosis            | ICD-10-CM        |
| C17.8       | Malignant neoplasm of overlapping sites of small intestine              | Diagnosis            | ICD-10-CM        |
| C17.9       | Malignant neoplasm of small intestine, unspecified                      | Diagnosis            | ICD-10-CM        |
| C18.0       | Malignant neoplasm of cecum   | Diagnosis            | ICD-10-CM        |
| C18.1       | Malignant neoplasm of appendix  | Diagnosis            | ICD-10-CM        |
| C18.2       | Malignant neoplasm of ascending colon                                   | Diagnosis            | ICD-10-CM        |
| C18.3       | Malignant neoplasm of hepatic flexure                                   | Diagnosis            | ICD-10-CM        |
| C18.4       | Malignant neoplasm of transverse colon                                  | Diagnosis            | ICD-10-CM        |
| C18.5       | Malignant neoplasm of splenic flexure                                   | Diagnosis            | ICD-10-CM        |
| C18.6       | Malignant neoplasm of descending colon                                  | Diagnosis            | ICD-10-CM        |
| C18.7       | Malignant neoplasm of sigmoid colon                                     | Diagnosis            | ICD-10-CM        |
| C18.8       | Malignant neoplasm of overlapping sites of colon                        | Diagnosis            | ICD-10-CM        |
| C18.9       | Malignant neoplasm of colon, unspecified                                | Diagnosis            | ICD-10-CM        |
| C19         | Malignant neoplasm of rectosigmoid junction                             | Diagnosis            | ICD-10-CM        |
| C20         | Malignant neoplasm of rectum  | Diagnosis            | ICD-10-CM        |
| C21.0       | Malignant neoplasm of anus, unspecified                                 | Diagnosis            | ICD-10-CM        |
| C21.1       | Malignant neoplasm of anal canal  | Diagnosis            | ICD-10-CM        |
| C21.2       | Malignant neoplasm of cloacogenic zone                                  | Diagnosis            | ICD-10-CM        |
| C21.8       | Malignant neoplasm of overlapping sites of rectum, anus and anal canal  | Diagnosis            | ICD-10-CM        |
| C22.0       | Liver cell carcinoma  | Diagnosis            | ICD-10-CM        |
| C22.1       | Intrahepatic bile duct carcinoma  | Diagnosis            | ICD-10-CM        |
| C22.2       | Hepatoblastoma  | Diagnosis            | ICD-10-CM        |
| C22.3       | Angiosarcoma of liver   | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C22.4       | Other sarcomas of liver   | Diagnosis            | ICD-10-CM        |
| C22.7       | Other specified carcinomas of liver                                 | Diagnosis            | ICD-10-CM        |
| C22.8       | Malignant neoplasm of liver, primary, unspecified as to type        | Diagnosis            | ICD-10-CM        |
| C22.9       | Malignant neoplasm of liver, not specified as primary or secondary  | Diagnosis            | ICD-10-CM        |
| C23         | Malignant neoplasm of gallbladder                                   | Diagnosis            | ICD-10-CM        |
| C24.0       | Malignant neoplasm of extrahepatic bile duct                        | Diagnosis            | ICD-10-CM        |
| C24.1       | Malignant neoplasm of ampulla of Vater                              | Diagnosis            | ICD-10-CM        |
| C24.8       | Malignant neoplasm of overlapping sites of biliary tract            | Diagnosis            | ICD-10-CM        |
| C24.9       | Malignant neoplasm of biliary tract, unspecified                    | Diagnosis            | ICD-10-CM        |
| C25.0       | Malignant neoplasm of head of pancreas                              | Diagnosis            | ICD-10-CM        |
| C25.1       | Malignant neoplasm of body of pancreas                              | Diagnosis            | ICD-10-CM        |
| C25.2       | Malignant neoplasm of tail of pancreas                              | Diagnosis            | ICD-10-CM        |
| C25.3       | Malignant neoplasm of pancreatic duct                               | Diagnosis            | ICD-10-CM        |
| C25.4       | Malignant neoplasm of endocrine pancreas                            | Diagnosis            | ICD-10-CM        |
| C25.7       | Malignant neoplasm of other parts of pancreas                       | Diagnosis            | ICD-10-CM        |
| C25.8       | Malignant neoplasm of overlapping sites of pancreas                 | Diagnosis            | ICD-10-CM        |
| C25.9       | Malignant neoplasm of pancreas, unspecified                         | Diagnosis            | ICD-10-CM        |
| C26.0       | Malignant neoplasm of intestinal tract, part unspecified            | Diagnosis            | ICD-10-CM        |
| C26.1       | Malignant neoplasm of spleen  | Diagnosis            | ICD-10-CM        |
| C26.9       | Malignant neoplasm of ill-defined sites within the digestive system | Diagnosis            | ICD-10-CM        |
| C30.0       | Malignant neoplasm of nasal cavity                                  | Diagnosis            | ICD-10-CM        |
| C30.1       | Malignant neoplasm of middle ear                                    | Diagnosis            | ICD-10-CM        |
| C31.0       | Malignant neoplasm of maxillary sinus                               | Diagnosis            | ICD-10-CM        |
| C31.1       | Malignant neoplasm of ethmoidal sinus                               | Diagnosis            | ICD-10-CM        |
| C31.2       | Malignant neoplasm of frontal sinus                                 | Diagnosis            | ICD-10-CM        |
| C31.3       | Malignant neoplasm of sphenoid sinus                                | Diagnosis            | ICD-10-CM        |
| C31.8       | Malignant neoplasm of overlapping sites of accessory sinuses        | Diagnosis            | ICD-10-CM        |
| C31.9       | Malignant neoplasm of accessory sinus, unspecified                  | Diagnosis            | ICD-10-CM        |
| C32.0       | Malignant neoplasm of glottis                                       | Diagnosis            | ICD-10-CM        |
| C32.1       | Malignant neoplasm of supraglottis                                  | Diagnosis            | ICD-10-CM        |
| C32.2       | Malignant neoplasm of subglottis                                    | Diagnosis            | ICD-10-CM        |
| C32.3       | Malignant neoplasm of laryngeal cartilage                           | Diagnosis            | ICD-10-CM        |
| C32.8       | Malignant neoplasm of overlapping sites of larynx                   | Diagnosis            | ICD-10-CM        |
| C32.9       | Malignant neoplasm of larynx, unspecified                           | Diagnosis            | ICD-10-CM        |
| C33         | Malignant neoplasm of trachea                                       | Diagnosis            | ICD-10-CM        |
| C34.00      | Malignant neoplasm of unspecified main bronchus                     | Diagnosis            | ICD-10-CM        |
| C34.01      | Malignant neoplasm of right main bronchus                           | Diagnosis            | ICD-10-CM        |
| C34.02      | Malignant neoplasm of left main bronchus                            | Diagnosis            | ICD-10-CM        |
| C34.10      | Malignant neoplasm of upper lobe, unspecified bronchus or lung      | Diagnosis            | ICD-10-CM        |
| C34.11      | Malignant neoplasm of upper lobe, right bronchus or lung            | Diagnosis            | ICD-10-CM        |
| C34.12      | Malignant neoplasm of upper lobe, left bronchus or lung             | Diagnosis            | ICD-10-CM        |
| C34.2       | Malignant neoplasm of middle lobe, bronchus or lung                 | Diagnosis            | ICD-10-CM        |
| C34.30      | Malignant neoplasm of lower lobe, unspecified bronchus or lung      | Diagnosis            | ICD-10-CM        |
| C34.31      | Malignant neoplasm of lower lobe, right bronchus or lung            | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C34.32      | Malignant neoplasm of lower lobe, left bronchus or lung                                     | Diagnosis            | ICD-10-CM        |
| C34.80      | Malignant neoplasm of overlapping sites of unspecified bronchus and lung                    | Diagnosis            | ICD-10-CM        |
| C34.81      | Malignant neoplasm of overlapping sites of right bronchus and lung                          | Diagnosis            | ICD-10-CM        |
| C34.82      | Malignant neoplasm of overlapping sites of left bronchus and lung                           | Diagnosis            | ICD-10-CM        |
| C34.90      | Malignant neoplasm of unspecified part of unspecified bronchus or lung                      | Diagnosis            | ICD-10-CM        |
| C34.91      | Malignant neoplasm of unspecified part of right bronchus or lung                            | Diagnosis            | ICD-10-CM        |
| C34.92      | Malignant neoplasm of unspecified part of left bronchus or lung                             | Diagnosis            | ICD-10-CM        |
| C37         | Malignant neoplasm of thymus  | Diagnosis            | ICD-10-CM        |
| C38.0       | Malignant neoplasm of heart   | Diagnosis            | ICD-10-CM        |
| C38.1       | Malignant neoplasm of anterior mediastinum  | Diagnosis            | ICD-10-CM        |
| C38.2       | Malignant neoplasm of posterior mediastinum   | Diagnosis            | ICD-10-CM        |
| C38.3       | Malignant neoplasm of mediastinum, part unspecified   | Diagnosis            | ICD-10-CM        |
| C38.4       | Malignant neoplasm of pleura  | Diagnosis            | ICD-10-CM        |
| C38.8       | Malignant neoplasm of overlapping sites of heart, mediastinum and pleura                    | Diagnosis            | ICD-10-CM        |
| C39.0       | Malignant neoplasm of upper respiratory tract, part unspecified                             | Diagnosis            | ICD-10-CM        |
| C39.9       | Malignant neoplasm of lower respiratory tract, part unspecified                             | Diagnosis            | ICD-10-CM        |
| C40.00      | Malignant neoplasm of scapula and long bones of unspecified upper limb                      | Diagnosis            | ICD-10-CM        |
| C40.01      | Malignant neoplasm of scapula and long bones of right upper limb                            | Diagnosis            | ICD-10-CM        |
| C40.02      | Malignant neoplasm of scapula and long bones of left upper limb                             | Diagnosis            | ICD-10-CM        |
| C40.10      | Malignant neoplasm of short bones of unspecified upper limb                                 | Diagnosis            | ICD-10-CM        |
| C40.11      | Malignant neoplasm of short bones of right upper limb                                       | Diagnosis            | ICD-10-CM        |
| C40.12      | Malignant neoplasm of short bones of left upper limb  | Diagnosis            | ICD-10-CM        |
| C40.20      | Malignant neoplasm of long bones of unspecified lower limb                                  | Diagnosis            | ICD-10-CM        |
| C40.21      | Malignant neoplasm of long bones of right lower limb  | Diagnosis            | ICD-10-CM        |
| C40.22      | Malignant neoplasm of long bones of left lower limb   | Diagnosis            | ICD-10-CM        |
| C40.30      | Malignant neoplasm of short bones of unspecified lower limb                                 | Diagnosis            | ICD-10-CM        |
| C40.31      | Malignant neoplasm of short bones of right lower limb                                       | Diagnosis            | ICD-10-CM        |
| C40.32      | Malignant neoplasm of short bones of left lower limb  | Diagnosis            | ICD-10-CM        |
| C40.80      | Malignant neoplasm of overlapping sites of bone and articular cartilage of unspecified limb | Diagnosis            | ICD-10-CM        |
| C40.81      | Malignant neoplasm of overlapping sites of bone and articular cartilage of right limb       | Diagnosis            | ICD-10-CM        |
| C40.82      | Malignant neoplasm of overlapping sites of bone and articular cartilage of left limb        | Diagnosis            | ICD-10-CM        |
| C40.90      | Malignant neoplasm of unspecified bones and articular cartilage of unspecified limb         | Diagnosis            | ICD-10-CM        |
| C40.91      | Malignant neoplasm of unspecified bones and articular cartilage of right limb               | Diagnosis            | ICD-10-CM        |
| C40.92      | Malignant neoplasm of unspecified bones and articular cartilage of left limb                | Diagnosis            | ICD-10-CM        |
| C41.0       | Malignant neoplasm of bones of skull and face   | Diagnosis            | ICD-10-CM        |
| C41.1       | Malignant neoplasm of mandible  | Diagnosis            | ICD-10-CM        |
| C41.2       | Malignant neoplasm of vertebral column  | Diagnosis            | ICD-10-CM        |
| C41.3       | Malignant neoplasm of ribs, sternum and clavicle  | Diagnosis            | ICD-10-CM        |
| C41.4       | Malignant neoplasm of pelvic bones, sacrum and coccyx                                       | Diagnosis            | ICD-10-CM        |
| C41.9       | Malignant neoplasm of bone and articular cartilage, unspecified                             | Diagnosis            | ICD-10-CM        |
| C43.0       | Malignant melanoma of lip   | Diagnosis            | ICD-10-CM        |
| C43.10      | Malignant melanoma of unspecified eyelid, including canthus                                 | Diagnosis            | ICD-10-CM        |
| C43.11      | Malignant melanoma of right eyelid, including canthus                                       | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| C43.12      | Malignant melanoma of left eyelid, including canthus                                   | Diagnosis            | ICD-10-CM        |
| C43.20      | Malignant melanoma of unspecified ear and external auricular canal                     | Diagnosis            | ICD-10-CM        |
| C43.21      | Malignant melanoma of right ear and external auricular canal                           | Diagnosis            | ICD-10-CM        |
| C43.22      | Malignant melanoma of left ear and external auricular canal                            | Diagnosis            | ICD-10-CM        |
| C43.30      | Malignant melanoma of unspecified part of face   | Diagnosis            | ICD-10-CM        |
| C43.31      | Malignant melanoma of nose   | Diagnosis            | ICD-10-CM        |
| C43.39      | Malignant melanoma of other parts of face  | Diagnosis            | ICD-10-CM        |
| C43.4       | Malignant melanoma of scalp and neck   | Diagnosis            | ICD-10-CM        |
| C43.51      | Malignant melanoma of anal skin  | Diagnosis            | ICD-10-CM        |
| C43.52      | Malignant melanoma of skin of breast   | Diagnosis            | ICD-10-CM        |
| C43.59      | Malignant melanoma of other part of trunk  | Diagnosis            | ICD-10-CM        |
| C43.60      | Malignant melanoma of unspecified upper limb, including shoulder                       | Diagnosis            | ICD-10-CM        |
| C43.61      | Malignant melanoma of right upper limb, including shoulder                             | Diagnosis            | ICD-10-CM        |
| C43.62      | Malignant melanoma of left upper limb, including shoulder                              | Diagnosis            | ICD-10-CM        |
| C43.70      | Malignant melanoma of unspecified lower limb, including hip                            | Diagnosis            | ICD-10-CM        |
| C43.71      | Malignant melanoma of right lower limb, including hip                                  | Diagnosis            | ICD-10-CM        |
| C43.72      | Malignant melanoma of left lower limb, including hip                                   | Diagnosis            | ICD-10-CM        |
| C43.8       | Malignant melanoma of overlapping sites of skin  | Diagnosis            | ICD-10-CM        |
| C43.9       | Malignant melanoma of skin, unspecified  | Diagnosis            | ICD-10-CM        |
| C44.00      | Unspecified malignant neoplasm of skin of lip  | Diagnosis            | ICD-10-CM        |
| C44.01      | Basal cell carcinoma of skin of lip  | Diagnosis            | ICD-10-CM        |
| C44.02      | Squamous cell carcinoma of skin of lip   | Diagnosis            | ICD-10-CM        |
| C44.09      | Other specified malignant neoplasm of skin of lip                                      | Diagnosis            | ICD-10-CM        |
| C44.101     | Unspecified malignant neoplasm of skin of unspecified eyelid, including canthus        | Diagnosis            | ICD-10-CM        |
| C44.102     | Unspecified malignant neoplasm of skin of right eyelid, including canthus              | Diagnosis            | ICD-10-CM        |
| C44.109     | Unspecified malignant neoplasm of skin of left eyelid, including canthus               | Diagnosis            | ICD-10-CM        |
| C44.111     | Basal cell carcinoma of skin of unspecified eyelid, including canthus                  | Diagnosis            | ICD-10-CM        |
| C44.112     | Basal cell carcinoma of skin of right eyelid, including canthus                        | Diagnosis            | ICD-10-CM        |
| C44.119     | Basal cell carcinoma of skin of left eyelid, including canthus                         | Diagnosis            | ICD-10-CM        |
| C44.121     | Squamous cell carcinoma of skin of unspecified eyelid, including canthus               | Diagnosis            | ICD-10-CM        |
| C44.122     | Squamous cell carcinoma of skin of right eyelid, including canthus                     | Diagnosis            | ICD-10-CM        |
| C44.129     | Squamous cell carcinoma of skin of left eyelid, including canthus                      | Diagnosis            | ICD-10-CM        |
| C44.191     | Other specified malignant neoplasm of skin of unspecified eyelid, including canthus    | Diagnosis            | ICD-10-CM        |
| C44.192     | Other specified malignant neoplasm of skin of right eyelid, including canthus          | Diagnosis            | ICD-10-CM        |
| C44.199     | Other specified malignant neoplasm of skin of left eyelid, including canthus           | Diagnosis            | ICD-10-CM        |
| C44.201     | Unspecified malignant neoplasm of skin of unspecified ear and external auricular canal | Diagnosis            | ICD-10-CM        |
| C44.202     | Unspecified malignant neoplasm of skin of right ear and external auricular canal       | Diagnosis            | ICD-10-CM        |
| C44.209     | Unspecified malignant neoplasm of skin of left ear and external auricular canal        | Diagnosis            | ICD-10-CM        |
| C44.211     | Basal cell carcinoma of skin of unspecified ear and external auricular canal           | Diagnosis            | ICD-10-CM        |
| C44.212     | Basal cell carcinoma of skin of right ear and external auricular canal                 | Diagnosis            | ICD-10-CM        |
| C44.219     | Basal cell carcinoma of skin of left ear and external auricular canal                  | Diagnosis            | ICD-10-CM        |
| C44.221     | Squamous cell carcinoma of skin of unspecified ear and external auricular canal        | Diagnosis            | ICD-10-CM        |
| C44.222     | Squamous cell carcinoma of skin of right ear and external auricular canal              | Diagnosis            | ICD-10-CM        |
| C44.229     | Squamous cell carcinoma of skin of left ear and external auricular canal               | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| C44.291     | Other specified malignant neoplasm of skin of unspecified ear and external auricular canal | Diagnosis            | ICD-10-CM        |
| C44.292     | Other specified malignant neoplasm of skin of right ear and external auricular canal       | Diagnosis            | ICD-10-CM        |
| C44.299     | Other specified malignant neoplasm of skin of left ear and external auricular canal        | Diagnosis            | ICD-10-CM        |
| C44.300     | Unspecified malignant neoplasm of skin of unspecified part of face                         | Diagnosis            | ICD-10-CM        |
| C44.301     | Unspecified malignant neoplasm of skin of nose   | Diagnosis            | ICD-10-CM        |
| C44.309     | Unspecified malignant neoplasm of skin of other parts of face                              | Diagnosis            | ICD-10-CM        |
| C44.310     | Basal cell carcinoma of skin of unspecified parts of face                                  | Diagnosis            | ICD-10-CM        |
| C44.311     | Basal cell carcinoma of skin of nose   | Diagnosis            | ICD-10-CM        |
| C44.319     | Basal cell carcinoma of skin of other parts of face  | Diagnosis            | ICD-10-CM        |
| C44.320     | Squamous cell carcinoma of skin of unspecified parts of face                               | Diagnosis            | ICD-10-CM        |
| C44.321     | Squamous cell carcinoma of skin of nose  | Diagnosis            | ICD-10-CM        |
| C44.329     | Squamous cell carcinoma of skin of other parts of face                                     | Diagnosis            | ICD-10-CM        |
| C44.390     | Other specified malignant neoplasm of skin of unspecified parts of face                    | Diagnosis            | ICD-10-CM        |
| C44.391     | Other specified malignant neoplasm of skin of nose   | Diagnosis            | ICD-10-CM        |
| C44.399     | Other specified malignant neoplasm of skin of other parts of face                          | Diagnosis            | ICD-10-CM        |
| C44.40      | Unspecified malignant neoplasm of skin of scalp and neck                                   | Diagnosis            | ICD-10-CM        |
| C44.41      | Basal cell carcinoma of skin of scalp and neck   | Diagnosis            | ICD-10-CM        |
| C44.42      | Squamous cell carcinoma of skin of scalp and neck  | Diagnosis            | ICD-10-CM        |
| C44.49      | Other specified malignant neoplasm of skin of scalp and neck                               | Diagnosis            | ICD-10-CM        |
| C44.500     | Unspecified malignant neoplasm of anal skin  | Diagnosis            | ICD-10-CM        |
| C44.501     | Unspecified malignant neoplasm of skin of breast   | Diagnosis            | ICD-10-CM        |
| C44.509     | Unspecified malignant neoplasm of skin of other part of trunk                              | Diagnosis            | ICD-10-CM        |
| C44.510     | Basal cell carcinoma of anal skin  | Diagnosis            | ICD-10-CM        |
| C44.511     | Basal cell carcinoma of skin of breast   | Diagnosis            | ICD-10-CM        |
| C44.519     | Basal cell carcinoma of skin of other part of trunk  | Diagnosis            | ICD-10-CM        |
| C44.520     | Squamous cell carcinoma of anal skin   | Diagnosis            | ICD-10-CM        |
| C44.521     | Squamous cell carcinoma of skin of breast  | Diagnosis            | ICD-10-CM        |
| C44.529     | Squamous cell carcinoma of skin of other part of trunk                                     | Diagnosis            | ICD-10-CM        |
| C44.590     | Other specified malignant neoplasm of anal skin  | Diagnosis            | ICD-10-CM        |
| C44.591     | Other specified malignant neoplasm of skin of breast                                       | Diagnosis            | ICD-10-CM        |
| C44.599     | Other specified malignant neoplasm of skin of other part of trunk                          | Diagnosis            | ICD-10-CM        |
| C44.601     | Unspecified malignant neoplasm of skin of unspecified upper limb, including shoulder       | Diagnosis            | ICD-10-CM        |
| C44.602     | Unspecified malignant neoplasm of skin of right upper limb, including shoulder             | Diagnosis            | ICD-10-CM        |
| C44.609     | Unspecified malignant neoplasm of skin of left upper limb, including shoulder              | Diagnosis            | ICD-10-CM        |
| C44.611     | Basal cell carcinoma of skin of unspecified upper limb, including shoulder                 | Diagnosis            | ICD-10-CM        |
| C44.612     | Basal cell carcinoma of skin of right upper limb, including shoulder                       | Diagnosis            | ICD-10-CM        |
| C44.619     | Basal cell carcinoma of skin of left upper limb, including shoulder                        | Diagnosis            | ICD-10-CM        |
| C44.621     | Squamous cell carcinoma of skin of unspecified upper limb, including shoulder              | Diagnosis            | ICD-10-CM        |
| C44.622     | Squamous cell carcinoma of skin of right upper limb, including shoulder                    | Diagnosis            | ICD-10-CM        |
| C44.629     | Squamous cell carcinoma of skin of left upper limb, including shoulder                     | Diagnosis            | ICD-10-CM        |
| C44.691     | Other specified malignant neoplasm of skin of unspecified upper limb, including shoulder   | Diagnosis            | ICD-10-CM        |
| C44.692     | Other specified malignant neoplasm of skin of right upper limb, including shoulder         | Diagnosis            | ICD-10-CM        |
| C44.699     | Other specified malignant neoplasm of skin of left upper limb, including shoulder          | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C44.701     | Unspecified malignant neoplasm of skin of unspecified lower limb, including hip           | Diagnosis            | ICD-10-CM        |
| C44.702     | Unspecified malignant neoplasm of skin of right lower limb, including hip                 | Diagnosis            | ICD-10-CM        |
| C44.709     | Unspecified malignant neoplasm of skin of left lower limb, including hip                  | Diagnosis            | ICD-10-CM        |
| C44.711     | Basal cell carcinoma of skin of unspecified lower limb, including hip                     | Diagnosis            | ICD-10-CM        |
| C44.712     | Basal cell carcinoma of skin of right lower limb, including hip                           | Diagnosis            | ICD-10-CM        |
| C44.719     | Basal cell carcinoma of skin of left lower limb, including hip                            | Diagnosis            | ICD-10-CM        |
| C44.721     | Squamous cell carcinoma of skin of unspecified lower limb, including hip                  | Diagnosis            | ICD-10-CM        |
| C44.722     | Squamous cell carcinoma of skin of right lower limb, including hip                        | Diagnosis            | ICD-10-CM        |
| C44.729     | Squamous cell carcinoma of skin of left lower limb, including hip                         | Diagnosis            | ICD-10-CM        |
| C44.791     | Other specified malignant neoplasm of skin of unspecified lower limb, including hip       | Diagnosis            | ICD-10-CM        |
| C44.792     | Other specified malignant neoplasm of skin of right lower limb, including hip             | Diagnosis            | ICD-10-CM        |
| C44.799     | Other specified malignant neoplasm of skin of left lower limb, including hip              | Diagnosis            | ICD-10-CM        |
| C44.80      | Unspecified malignant neoplasm of overlapping sites of skin                               | Diagnosis            | ICD-10-CM        |
| C44.81      | Basal cell carcinoma of overlapping sites of skin   | Diagnosis            | ICD-10-CM        |
| C44.82      | Squamous cell carcinoma of overlapping sites of skin                                      | Diagnosis            | ICD-10-CM        |
| C44.89      | Other specified malignant neoplasm of overlapping sites of skin                           | Diagnosis            | ICD-10-CM        |
| C44.90      | Unspecified malignant neoplasm of skin, unspecified                                       | Diagnosis            | ICD-10-CM        |
| C44.91      | Basal cell carcinoma of skin, unspecified   | Diagnosis            | ICD-10-CM        |
| C44.92      | Squamous cell carcinoma of skin, unspecified  | Diagnosis            | ICD-10-CM        |
| C44.99      | Other specified malignant neoplasm of skin, unspecified                                   | Diagnosis            | ICD-10-CM        |
| C45.0       | Mesothelioma of pleura  | Diagnosis            | ICD-10-CM        |
| C45.1       | Mesothelioma of peritoneum  | Diagnosis            | ICD-10-CM        |
| C45.2       | Mesothelioma of pericardium   | Diagnosis            | ICD-10-CM        |
| C45.7       | Mesothelioma of other sites   | Diagnosis            | ICD-10-CM        |
| C45.9       | Mesothelioma, unspecified   | Diagnosis            | ICD-10-CM        |
| C47.0       | Malignant neoplasm of peripheral nerves of head, face and neck                            | Diagnosis            | ICD-10-CM        |
| C47.10      | Malignant neoplasm of peripheral nerves of unspecified upper limb, including shoulder     | Diagnosis            | ICD-10-CM        |
| C47.11      | Malignant neoplasm of peripheral nerves of right upper limb, including shoulder           | Diagnosis            | ICD-10-CM        |
| C47.12      | Malignant neoplasm of peripheral nerves of left upper limb, including shoulder            | Diagnosis            | ICD-10-CM        |
| C47.20      | Malignant neoplasm of peripheral nerves of unspecified lower limb, including hip          | Diagnosis            | ICD-10-CM        |
| C47.21      | Malignant neoplasm of peripheral nerves of right lower limb, including hip                | Diagnosis            | ICD-10-CM        |
| C47.22      | Malignant neoplasm of peripheral nerves of left lower limb, including hip                 | Diagnosis            | ICD-10-CM        |
| C47.3       | Malignant neoplasm of peripheral nerves of thorax   | Diagnosis            | ICD-10-CM        |
| C47.4       | Malignant neoplasm of peripheral nerves of abdomen  | Diagnosis            | ICD-10-CM        |
| C47.5       | Malignant neoplasm of peripheral nerves of pelvis   | Diagnosis            | ICD-10-CM        |
| C47.6       | Malignant neoplasm of peripheral nerves of trunk, unspecified                             | Diagnosis            | ICD-10-CM        |
| C47.8       | Malignant neoplasm of overlapping sites of peripheral nerves and autonomic nervous system | Diagnosis            | ICD-10-CM        |
| C47.9       | Malignant neoplasm of peripheral nerves and autonomic nervous system, unspecified         | Diagnosis            | ICD-10-CM        |
| C48.0       | Malignant neoplasm of retroperitoneum   | Diagnosis            | ICD-10-CM        |
| C48.1       | Malignant neoplasm of specified parts of peritoneum                                       | Diagnosis            | ICD-10-CM        |
| C48.2       | Malignant neoplasm of peritoneum, unspecified   | Diagnosis            | ICD-10-CM        |
| C48.8       | Malignant neoplasm of overlapping sites of retroperitoneum and peritoneum                 | Diagnosis            | ICD-10-CM        |
| C49.0       | Malignant neoplasm of connective and soft tissue of head, face and neck                   | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| C49.10      | Malignant neoplasm of connective and soft tissue of unspecified upper limb, including shoulder | Diagnosis            | ICD-10-CM        |
| C49.11      | Malignant neoplasm of connective and soft tissue of right upper limb, including shoulder       | Diagnosis            | ICD-10-CM        |
| C49.12      | Malignant neoplasm of connective and soft tissue of left upper limb, including shoulder        | Diagnosis            | ICD-10-CM        |
| C49.20      | Malignant neoplasm of connective and soft tissue of unspecified lower limb, including hip      | Diagnosis            | ICD-10-CM        |
| C49.21      | Malignant neoplasm of connective and soft tissue of right lower limb, including hip            | Diagnosis            | ICD-10-CM        |
| C49.22      | Malignant neoplasm of connective and soft tissue of left lower limb, including hip             | Diagnosis            | ICD-10-CM        |
| C49.3       | Malignant neoplasm of connective and soft tissue of thorax                                     | Diagnosis            | ICD-10-CM        |
| C49.4       | Malignant neoplasm of connective and soft tissue of abdomen                                    | Diagnosis            | ICD-10-CM        |
| C49.5       | Malignant neoplasm of connective and soft tissue of pelvis                                     | Diagnosis            | ICD-10-CM        |
| C49.6       | Malignant neoplasm of connective and soft tissue of trunk, unspecified                         | Diagnosis            | ICD-10-CM        |
| C49.8       | Malignant neoplasm of overlapping sites of connective and soft tissue                          | Diagnosis            | ICD-10-CM        |
| C49.9       | Malignant neoplasm of connective and soft tissue, unspecified                                  | Diagnosis            | ICD-10-CM        |
| C49.A0      | Gastrointestinal stromal tumor, unspecified site   | Diagnosis            | ICD-10-CM        |
| C49.A1      | Gastrointestinal stromal tumor of esophagus  | Diagnosis            | ICD-10-CM        |
| C49.A2      | Gastrointestinal stromal tumor of stomach  | Diagnosis            | ICD-10-CM        |
| C49.A3      | Gastrointestinal stromal tumor of small intestine  | Diagnosis            | ICD-10-CM        |
| C49.A4      | Gastrointestinal stromal tumor of large intestine  | Diagnosis            | ICD-10-CM        |
| C49.A5      | Gastrointestinal stromal tumor of rectum   | Diagnosis            | ICD-10-CM        |
| C49.A9      | Gastrointestinal stromal tumor of other sites  | Diagnosis            | ICD-10-CM        |
| C4A.0       | Merkel cell carcinoma of lip   | Diagnosis            | ICD-10-CM        |
| C4A.10      | Merkel cell carcinoma of unspecified eyelid, including canthus                                 | Diagnosis            | ICD-10-CM        |
| C4A.11      | Merkel cell carcinoma of right eyelid, including canthus                                       | Diagnosis            | ICD-10-CM        |
| C4A.12      | Merkel cell carcinoma of left eyelid, including canthus  | Diagnosis            | ICD-10-CM        |
| C4A.20      | Merkel cell carcinoma of unspecified ear and external auricular canal                          | Diagnosis            | ICD-10-CM        |
| C4A.21      | Merkel cell carcinoma of right ear and external auricular canal                                | Diagnosis            | ICD-10-CM        |
| C4A.22      | Merkel cell carcinoma of left ear and external auricular canal                                 | Diagnosis            | ICD-10-CM        |
| C4A.30      | Merkel cell carcinoma of unspecified part of face  | Diagnosis            | ICD-10-CM        |
| C4A.31      | Merkel cell carcinoma of nose  | Diagnosis            | ICD-10-CM        |
| C4A.39      | Merkel cell carcinoma of other parts of face   | Diagnosis            | ICD-10-CM        |
| C4A.4       | Merkel cell carcinoma of scalp and neck  | Diagnosis            | ICD-10-CM        |
| C4A.51      | Merkel cell carcinoma of anal skin   | Diagnosis            | ICD-10-CM        |
| C4A.52      | Merkel cell carcinoma of skin of breast  | Diagnosis            | ICD-10-CM        |
| C4A.59      | Merkel cell carcinoma of other part of trunk   | Diagnosis            | ICD-10-CM        |
| C4A.60      | Merkel cell carcinoma of unspecified upper limb, including shoulder                            | Diagnosis            | ICD-10-CM        |
| C4A.61      | Merkel cell carcinoma of right upper limb, including shoulder                                  | Diagnosis            | ICD-10-CM        |
| C4A.62      | Merkel cell carcinoma of left upper limb, including shoulder                                   | Diagnosis            | ICD-10-CM        |
| C4A.70      | Merkel cell carcinoma of unspecified lower limb, including hip                                 | Diagnosis            | ICD-10-CM        |
| C4A.71      | Merkel cell carcinoma of right lower limb, including hip                                       | Diagnosis            | ICD-10-CM        |
| C4A.72      | Merkel cell carcinoma of left lower limb, including hip  | Diagnosis            | ICD-10-CM        |
| C4A.8       | Merkel cell carcinoma of overlapping sites   | Diagnosis            | ICD-10-CM        |
| C4A.9       | Merkel cell carcinoma, unspecified   | Diagnosis            | ICD-10-CM        |
| C51.0       | Malignant neoplasm of labium majus   | Diagnosis            | ICD-10-CM        |
| C51.1       | Malignant neoplasm of labium minus   | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| C51.2       | Malignant neoplasm of clitoris   | Diagnosis            | ICD-10-CM        |
| C51.8       | Malignant neoplasm of overlapping sites of vulva                                 | Diagnosis            | ICD-10-CM        |
| C51.9       | Malignant neoplasm of vulva, unspecified   | Diagnosis            | ICD-10-CM        |
| C52         | Malignant neoplasm of vagina   | Diagnosis            | ICD-10-CM        |
| C53.0       | Malignant neoplasm of endocervix   | Diagnosis            | ICD-10-CM        |
| C53.1       | Malignant neoplasm of exocervix  | Diagnosis            | ICD-10-CM        |
| C53.8       | Malignant neoplasm of overlapping sites of cervix uteri                          | Diagnosis            | ICD-10-CM        |
| C53.9       | Malignant neoplasm of cervix uteri, unspecified                                  | Diagnosis            | ICD-10-CM        |
| C54.0       | Malignant neoplasm of isthmus uteri  | Diagnosis            | ICD-10-CM        |
| C54.1       | Malignant neoplasm of endometrium  | Diagnosis            | ICD-10-CM        |
| C54.2       | Malignant neoplasm of myometrium   | Diagnosis            | ICD-10-CM        |
| C54.3       | Malignant neoplasm of fundus uteri   | Diagnosis            | ICD-10-CM        |
| C54.8       | Malignant neoplasm of overlapping sites of corpus uteri                          | Diagnosis            | ICD-10-CM        |
| C54.9       | Malignant neoplasm of corpus uteri, unspecified                                  | Diagnosis            | ICD-10-CM        |
| C55         | Malignant neoplasm of uterus, part unspecified                                   | Diagnosis            | ICD-10-CM        |
| C57.00      | Malignant neoplasm of unspecified fallopian tube                                 | Diagnosis            | ICD-10-CM        |
| C57.01      | Malignant neoplasm of right fallopian tube                                       | Diagnosis            | ICD-10-CM        |
| C57.02      | Malignant neoplasm of left fallopian tube  | Diagnosis            | ICD-10-CM        |
| C57.10      | Malignant neoplasm of unspecified broad ligament                                 | Diagnosis            | ICD-10-CM        |
| C57.11      | Malignant neoplasm of right broad ligament                                       | Diagnosis            | ICD-10-CM        |
| C57.12      | Malignant neoplasm of left broad ligament  | Diagnosis            | ICD-10-CM        |
| C57.20      | Malignant neoplasm of unspecified round ligament                                 | Diagnosis            | ICD-10-CM        |
| C57.21      | Malignant neoplasm of right round ligament                                       | Diagnosis            | ICD-10-CM        |
| C57.22      | Malignant neoplasm of left round ligament  | Diagnosis            | ICD-10-CM        |
| C57.3       | Malignant neoplasm of parametrium  | Diagnosis            | ICD-10-CM        |
| C57.4       | Malignant neoplasm of uterine adnexa, unspecified                                | Diagnosis            | ICD-10-CM        |
| C57.7       | Malignant neoplasm of other specified female genital organs                      | Diagnosis            | ICD-10-CM        |
| C57.8       | Malignant neoplasm of overlapping sites of female genital organs                 | Diagnosis            | ICD-10-CM        |
| C57.9       | Malignant neoplasm of female genital organ, unspecified                          | Diagnosis            | ICD-10-CM        |
| C58         | Malignant neoplasm of placenta   | Diagnosis            | ICD-10-CM        |
| C60.0       | Malignant neoplasm of prepuce  | Diagnosis            | ICD-10-CM        |
| C60.1       | Malignant neoplasm of glans penis  | Diagnosis            | ICD-10-CM        |
| C60.2       | Malignant neoplasm of body of penis  | Diagnosis            | ICD-10-CM        |
| C60.8       | Malignant neoplasm of overlapping sites of penis                                 | Diagnosis            | ICD-10-CM        |
| C60.9       | Malignant neoplasm of penis, unspecified   | Diagnosis            | ICD-10-CM        |
| C61         | Malignant neoplasm of prostate   | Diagnosis            | ICD-10-CM        |
| C62.00      | Malignant neoplasm of unspecified undescended testis                             | Diagnosis            | ICD-10-CM        |
| C62.01      | Malignant neoplasm of undescended right testis                                   | Diagnosis            | ICD-10-CM        |
| C62.02      | Malignant neoplasm of undescended left testis                                    | Diagnosis            | ICD-10-CM        |
| C62.10      | Malignant neoplasm of unspecified descended testis                               | Diagnosis            | ICD-10-CM        |
| C62.11      | Malignant neoplasm of descended right testis                                     | Diagnosis            | ICD-10-CM        |
| C62.12      | Malignant neoplasm of descended left testis                                      | Diagnosis            | ICD-10-CM        |
| C62.90      | Malignant neoplasm of unspecified testis, unspecified whether descended or       | Diagnosis            | ICD-10-CM        |
| C62.91      | Malignant neoplasm of right testis, unspecified whether descended or undescended | Diagnosis            | ICD-10-CM        |



**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C62.92      | Malignant neoplasm of left testis, unspecified whether descended or undescended | Diagnosis            | ICD-10-CM        |
| C63.00      | Malignant neoplasm of unspecified epididymis                                    | Diagnosis            | ICD-10-CM        |
| C63.01      | Malignant neoplasm of right epididymis  | Diagnosis            | ICD-10-CM        |
| C63.02      | Malignant neoplasm of left epididymis   | Diagnosis            | ICD-10-CM        |
| C63.10      | Malignant neoplasm of unspecified spermatic cord                                | Diagnosis            | ICD-10-CM        |
| C63.11      | Malignant neoplasm of right spermatic cord                                      | Diagnosis            | ICD-10-CM        |
| C63.12      | Malignant neoplasm of left spermatic cord                                       | Diagnosis            | ICD-10-CM        |
| C63.2       | Malignant neoplasm of scrotum   | Diagnosis            | ICD-10-CM        |
| C63.7       | Malignant neoplasm of other specified male genital organs                       | Diagnosis            | ICD-10-CM        |
| C63.8       | Malignant neoplasm of overlapping sites of male genital organs                  | Diagnosis            | ICD-10-CM        |
| C63.9       | Malignant neoplasm of male genital organ, unspecified                           | Diagnosis            | ICD-10-CM        |
| C64.1       | Malignant neoplasm of right kidney, except renal pelvis                         | Diagnosis            | ICD-10-CM        |
| C64.2       | Malignant neoplasm of left kidney, except renal pelvis                          | Diagnosis            | ICD-10-CM        |
| C64.9       | Malignant neoplasm of unspecified kidney, except renal pelvis                   | Diagnosis            | ICD-10-CM        |
| C65.1       | Malignant neoplasm of right renal pelvis  | Diagnosis            | ICD-10-CM        |
| C65.2       | Malignant neoplasm of left renal pelvis   | Diagnosis            | ICD-10-CM        |
| C65.9       | Malignant neoplasm of unspecified renal pelvis                                  | Diagnosis            | ICD-10-CM        |
| C66.1       | Malignant neoplasm of right ureter  | Diagnosis            | ICD-10-CM        |
| C66.2       | Malignant neoplasm of left ureter   | Diagnosis            | ICD-10-CM        |
| C66.9       | Malignant neoplasm of unspecified ureter  | Diagnosis            | ICD-10-CM        |
| C67.0       | Malignant neoplasm of trigone of bladder  | Diagnosis            | ICD-10-CM        |
| C67.1       | Malignant neoplasm of dome of bladder   | Diagnosis            | ICD-10-CM        |
| C67.2       | Malignant neoplasm of lateral wall of bladder                                   | Diagnosis            | ICD-10-CM        |
| C67.3       | Malignant neoplasm of anterior wall of bladder                                  | Diagnosis            | ICD-10-CM        |
| C67.4       | Malignant neoplasm of posterior wall of bladder                                 | Diagnosis            | ICD-10-CM        |
| C67.5       | Malignant neoplasm of bladder neck  | Diagnosis            | ICD-10-CM        |
| C67.6       | Malignant neoplasm of ureteric orifice  | Diagnosis            | ICD-10-CM        |
| C67.7       | Malignant neoplasm of urachus   | Diagnosis            | ICD-10-CM        |
| C67.8       | Malignant neoplasm of overlapping sites of bladder                              | Diagnosis            | ICD-10-CM        |
| C67.9       | Malignant neoplasm of bladder, unspecified                                      | Diagnosis            | ICD-10-CM        |
| C68.0       | Malignant neoplasm of urethra   | Diagnosis            | ICD-10-CM        |
| C68.1       | Malignant neoplasm of paraurethral glands                                       | Diagnosis            | ICD-10-CM        |
| C68.8       | Malignant neoplasm of overlapping sites of urinary organs                       | Diagnosis            | ICD-10-CM        |
| C68.9       | Malignant neoplasm of urinary organ, unspecified                                | Diagnosis            | ICD-10-CM        |
| C69.00      | Malignant neoplasm of unspecified conjunctiva                                   | Diagnosis            | ICD-10-CM        |
| C69.01      | Malignant neoplasm of right conjunctiva   | Diagnosis            | ICD-10-CM        |
| C69.02      | Malignant neoplasm of left conjunctiva  | Diagnosis            | ICD-10-CM        |
| C69.10      | Malignant neoplasm of unspecified cornea  | Diagnosis            | ICD-10-CM        |
| C69.11      | Malignant neoplasm of right cornea  | Diagnosis            | ICD-10-CM        |
| C69.12      | Malignant neoplasm of left cornea   | Diagnosis            | ICD-10-CM        |
| C69.20      | Malignant neoplasm of unspecified retina  | Diagnosis            | ICD-10-CM        |
| C69.21      | Malignant neoplasm of right retina  | Diagnosis            | ICD-10-CM        |
| C69.22      | Malignant neoplasm of left retina   | Diagnosis            | ICD-10-CM        |
| C69.30      | Malignant neoplasm of unspecified choroid                                       | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C69.31      | Malignant neoplasm of right choroid                                   | Diagnosis            | ICD-10-CM        |
| C69.32      | Malignant neoplasm of left choroid                                    | Diagnosis            | ICD-10-CM        |
| C69.40      | Malignant neoplasm of unspecified ciliary body                        | Diagnosis            | ICD-10-CM        |
| C69.41      | Malignant neoplasm of right ciliary body                              | Diagnosis            | ICD-10-CM        |
| C69.42      | Malignant neoplasm of left ciliary body                               | Diagnosis            | ICD-10-CM        |
| C69.50      | Malignant neoplasm of unspecified lacrimal gland and duct             | Diagnosis            | ICD-10-CM        |
| C69.51      | Malignant neoplasm of right lacrimal gland and duct                   | Diagnosis            | ICD-10-CM        |
| C69.52      | Malignant neoplasm of left lacrimal gland and duct                    | Diagnosis            | ICD-10-CM        |
| C69.60      | Malignant neoplasm of unspecified orbit                               | Diagnosis            | ICD-10-CM        |
| C69.61      | Malignant neoplasm of right orbit                                     | Diagnosis            | ICD-10-CM        |
| C69.62      | Malignant neoplasm of left orbit                                      | Diagnosis            | ICD-10-CM        |
| C69.80      | Malignant neoplasm of overlapping sites of unspecified eye and adnexa | Diagnosis            | ICD-10-CM        |
| C69.81      | Malignant neoplasm of overlapping sites of right eye and adnexa       | Diagnosis            | ICD-10-CM        |
| C69.82      | Malignant neoplasm of overlapping sites of left eye and adnexa        | Diagnosis            | ICD-10-CM        |
| C69.90      | Malignant neoplasm of unspecified site of unspecified eye             | Diagnosis            | ICD-10-CM        |
| C69.91      | Malignant neoplasm of unspecified site of right eye                   | Diagnosis            | ICD-10-CM        |
| C69.92      | Malignant neoplasm of unspecified site of left eye                    | Diagnosis            | ICD-10-CM        |
| C70.0       | Malignant neoplasm of cerebral meninges                               | Diagnosis            | ICD-10-CM        |
| C70.1       | Malignant neoplasm of spinal meninges                                 | Diagnosis            | ICD-10-CM        |
| C70.9       | Malignant neoplasm of meninges, unspecified                           | Diagnosis            | ICD-10-CM        |
| C71.0       | Malignant neoplasm of cerebrum, except lobes and ventricles           | Diagnosis            | ICD-10-CM        |
| C71.1       | Malignant neoplasm of frontal lobe                                    | Diagnosis            | ICD-10-CM        |
| C71.2       | Malignant neoplasm of temporal lobe                                   | Diagnosis            | ICD-10-CM        |
| C71.3       | Malignant neoplasm of parietal lobe                                   | Diagnosis            | ICD-10-CM        |
| C71.4       | Malignant neoplasm of occipital lobe                                  | Diagnosis            | ICD-10-CM        |
| C71.5       | Malignant neoplasm of cerebral ventricle                              | Diagnosis            | ICD-10-CM        |
| C71.6       | Malignant neoplasm of cerebellum                                      | Diagnosis            | ICD-10-CM        |
| C71.7       | Malignant neoplasm of brain stem                                      | Diagnosis            | ICD-10-CM        |
| C71.8       | Malignant neoplasm of overlapping sites of brain                      | Diagnosis            | ICD-10-CM        |
| C71.9       | Malignant neoplasm of brain, unspecified                              | Diagnosis            | ICD-10-CM        |
| C72.0       | Malignant neoplasm of spinal cord                                     | Diagnosis            | ICD-10-CM        |
| C72.1       | Malignant neoplasm of cauda equina                                    | Diagnosis            | ICD-10-CM        |
| C72.20      | Malignant neoplasm of unspecified olfactory nerve                     | Diagnosis            | ICD-10-CM        |
| C72.21      | Malignant neoplasm of right olfactory nerve                           | Diagnosis            | ICD-10-CM        |
| C72.22      | Malignant neoplasm of left olfactory nerve                            | Diagnosis            | ICD-10-CM        |
| C72.30      | Malignant neoplasm of unspecified optic nerve                         | Diagnosis            | ICD-10-CM        |
| C72.31      | Malignant neoplasm of right optic nerve                               | Diagnosis            | ICD-10-CM        |
| C72.32      | Malignant neoplasm of left optic nerve                                | Diagnosis            | ICD-10-CM        |
| C72.40      | Malignant neoplasm of unspecified acoustic nerve                      | Diagnosis            | ICD-10-CM        |
| C72.41      | Malignant neoplasm of right acoustic nerve                            | Diagnosis            | ICD-10-CM        |
| C72.42      | Malignant neoplasm of left acoustic nerve                             | Diagnosis            | ICD-10-CM        |
| C72.50      | Malignant neoplasm of unspecified cranial nerve                       | Diagnosis            | ICD-10-CM        |
| C72.59      | Malignant neoplasm of other cranial nerves                            | Diagnosis            | ICD-10-CM        |
| C72.9       | Malignant neoplasm of central nervous system, unspecified             | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C73         | Malignant neoplasm of thyroid gland   | Diagnosis            | ICD-10-CM        |
| C74.00      | Malignant neoplasm of cortex of unspecified adrenal gland                           | Diagnosis            | ICD-10-CM        |
| C74.01      | Malignant neoplasm of cortex of right adrenal gland                                 | Diagnosis            | ICD-10-CM        |
| C74.02      | Malignant neoplasm of cortex of left adrenal gland                                  | Diagnosis            | ICD-10-CM        |
| C74.10      | Malignant neoplasm of medulla of unspecified adrenal gland                          | Diagnosis            | ICD-10-CM        |
| C74.11      | Malignant neoplasm of medulla of right adrenal gland                                | Diagnosis            | ICD-10-CM        |
| C74.12      | Malignant neoplasm of medulla of left adrenal gland                                 | Diagnosis            | ICD-10-CM        |
| C74.90      | Malignant neoplasm of unspecified part of unspecified adrenal gland                 | Diagnosis            | ICD-10-CM        |
| C74.91      | Malignant neoplasm of unspecified part of right adrenal gland                       | Diagnosis            | ICD-10-CM        |
| C74.92      | Malignant neoplasm of unspecified part of left adrenal gland                        | Diagnosis            | ICD-10-CM        |
| C75.0       | Malignant neoplasm of parathyroid gland   | Diagnosis            | ICD-10-CM        |
| C75.1       | Malignant neoplasm of pituitary gland   | Diagnosis            | ICD-10-CM        |
| C75.2       | Malignant neoplasm of craniopharyngeal duct   | Diagnosis            | ICD-10-CM        |
| C75.3       | Malignant neoplasm of pineal gland  | Diagnosis            | ICD-10-CM        |
| C75.4       | Malignant neoplasm of carotid body  | Diagnosis            | ICD-10-CM        |
| C75.5       | Malignant neoplasm of aortic body and other paraganglia                             | Diagnosis            | ICD-10-CM        |
| C75.8       | Malignant neoplasm with pluriglandular involvement, unspecified                     | Diagnosis            | ICD-10-CM        |
| C75.9       | Malignant neoplasm of endocrine gland, unspecified                                  | Diagnosis            | ICD-10-CM        |
| C76.0       | Malignant neoplasm of head, face and neck   | Diagnosis            | ICD-10-CM        |
| C76.1       | Malignant neoplasm of thorax  | Diagnosis            | ICD-10-CM        |
| C76.2       | Malignant neoplasm of abdomen   | Diagnosis            | ICD-10-CM        |
| C76.3       | Malignant neoplasm of pelvis  | Diagnosis            | ICD-10-CM        |
| C76.40      | Malignant neoplasm of unspecified upper limb  | Diagnosis            | ICD-10-CM        |
| C76.41      | Malignant neoplasm of right upper limb  | Diagnosis            | ICD-10-CM        |
| C76.42      | Malignant neoplasm of left upper limb   | Diagnosis            | ICD-10-CM        |
| C76.50      | Malignant neoplasm of unspecified lower limb  | Diagnosis            | ICD-10-CM        |
| C76.51      | Malignant neoplasm of right lower limb  | Diagnosis            | ICD-10-CM        |
| C76.52      | Malignant neoplasm of left lower limb   | Diagnosis            | ICD-10-CM        |
| C76.8       | Malignant neoplasm of other specified ill-defined sites                             | Diagnosis            | ICD-10-CM        |
| C77.0       | Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck  | Diagnosis            | ICD-10-CM        |
| C77.1       | Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes           | Diagnosis            | ICD-10-CM        |
| C77.2       | Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes         | Diagnosis            | ICD-10-CM        |
| C77.3       | Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes   | Diagnosis            | ICD-10-CM        |
| C77.4       | Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes | Diagnosis            | ICD-10-CM        |
| C77.5       | Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes             | Diagnosis            | ICD-10-CM        |
| C77.8       | Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions     | Diagnosis            | ICD-10-CM        |
| C77.9       | Secondary and unspecified malignant neoplasm of lymph node, unspecified             | Diagnosis            | ICD-10-CM        |
| C78.00      | Secondary malignant neoplasm of unspecified lung                                    | Diagnosis            | ICD-10-CM        |
| C78.01      | Secondary malignant neoplasm of right lung  | Diagnosis            | ICD-10-CM        |
| C78.02      | Secondary malignant neoplasm of left lung   | Diagnosis            | ICD-10-CM        |
| C78.1       | Secondary malignant neoplasm of mediastinum   | Diagnosis            | ICD-10-CM        |
| C78.2       | Secondary malignant neoplasm of pleura  | Diagnosis            | ICD-10-CM        |
| C78.30      | Secondary malignant neoplasm of unspecified respiratory organ                       | Diagnosis            | ICD-10-CM        |
| C78.39      | Secondary malignant neoplasm of other respiratory organs                            | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C78.4       | Secondary malignant neoplasm of small intestine                       | Diagnosis            | ICD-10-CM        |
| C78.5       | Secondary malignant neoplasm of large intestine and rectum            | Diagnosis            | ICD-10-CM        |
| C78.6       | Secondary malignant neoplasm of retroperitoneum and peritoneum        | Diagnosis            | ICD-10-CM        |
| C78.7       | Secondary malignant neoplasm of liver and intrahepatic bile duct      | Diagnosis            | ICD-10-CM        |
| C78.80      | Secondary malignant neoplasm of unspecified digestive organ           | Diagnosis            | ICD-10-CM        |
| C78.89      | Secondary malignant neoplasm of other digestive organs                | Diagnosis            | ICD-10-CM        |
| C79.00      | Secondary malignant neoplasm of unspecified kidney and renal pelvis   | Diagnosis            | ICD-10-CM        |
| C79.01      | Secondary malignant neoplasm of right kidney and renal pelvis         | Diagnosis            | ICD-10-CM        |
| C79.02      | Secondary malignant neoplasm of left kidney and renal pelvis          | Diagnosis            | ICD-10-CM        |
| C79.10      | Secondary malignant neoplasm of unspecified urinary organs            | Diagnosis            | ICD-10-CM        |
| C79.11      | Secondary malignant neoplasm of bladder                               | Diagnosis            | ICD-10-CM        |
| C79.19      | Secondary malignant neoplasm of other urinary organs                  | Diagnosis            | ICD-10-CM        |
| C79.2       | Secondary malignant neoplasm of skin                                  | Diagnosis            | ICD-10-CM        |
| C79.31      | Secondary malignant neoplasm of brain                                 | Diagnosis            | ICD-10-CM        |
| C79.32      | Secondary malignant neoplasm of cerebral meninges                     | Diagnosis            | ICD-10-CM        |
| C79.40      | Secondary malignant neoplasm of unspecified part of nervous system    | Diagnosis            | ICD-10-CM        |
| C79.49      | Secondary malignant neoplasm of other parts of nervous system         | Diagnosis            | ICD-10-CM        |
| C79.51      | Secondary malignant neoplasm of bone                                  | Diagnosis            | ICD-10-CM        |
| C79.52      | Secondary malignant neoplasm of bone marrow                           | Diagnosis            | ICD-10-CM        |
| C79.60      | Secondary malignant neoplasm of unspecified ovary                     | Diagnosis            | ICD-10-CM        |
| C79.61      | Secondary malignant neoplasm of right ovary                           | Diagnosis            | ICD-10-CM        |
| C79.62      | Secondary malignant neoplasm of left ovary                            | Diagnosis            | ICD-10-CM        |
| C79.70      | Secondary malignant neoplasm of unspecified adrenal gland             | Diagnosis            | ICD-10-CM        |
| C79.71      | Secondary malignant neoplasm of right adrenal gland                   | Diagnosis            | ICD-10-CM        |
| C79.72      | Secondary malignant neoplasm of left adrenal gland                    | Diagnosis            | ICD-10-CM        |
| C79.81      | Secondary malignant neoplasm of breast                                | Diagnosis            | ICD-10-CM        |
| C79.82      | Secondary malignant neoplasm of genital organs                        | Diagnosis            | ICD-10-CM        |
| C79.89      | Secondary malignant neoplasm of other specified sites                 | Diagnosis            | ICD-10-CM        |
| C79.9       | Secondary malignant neoplasm of unspecified site                      | Diagnosis            | ICD-10-CM        |
| C7A.00      | Malignant carcinoid tumor of unspecified site                         | Diagnosis            | ICD-10-CM        |
| C7A.010     | Malignant carcinoid tumor of the duodenum                             | Diagnosis            | ICD-10-CM        |
| C7A.011     | Malignant carcinoid tumor of the jejunum                              | Diagnosis            | ICD-10-CM        |
| C7A.012     | Malignant carcinoid tumor of the ileum                                | Diagnosis            | ICD-10-CM        |
| C7A.019     | Malignant carcinoid tumor of the small intestine, unspecified portion | Diagnosis            | ICD-10-CM        |
| C7A.020     | Malignant carcinoid tumor of the appendix                             | Diagnosis            | ICD-10-CM        |
| C7A.021     | Malignant carcinoid tumor of the cecum                                | Diagnosis            | ICD-10-CM        |
| C7A.022     | Malignant carcinoid tumor of the ascending colon                      | Diagnosis            | ICD-10-CM        |
| C7A.023     | Malignant carcinoid tumor of the transverse colon                     | Diagnosis            | ICD-10-CM        |
| C7A.024     | Malignant carcinoid tumor of the descending colon                     | Diagnosis            | ICD-10-CM        |
| C7A.025     | Malignant carcinoid tumor of the sigmoid colon                        | Diagnosis            | ICD-10-CM        |
| C7A.026     | Malignant carcinoid tumor of the rectum                               | Diagnosis            | ICD-10-CM        |
| C7A.029     | Malignant carcinoid tumor of the large intestine, unspecified portion | Diagnosis            | ICD-10-CM        |
| C7A.090     | Malignant carcinoid tumor of the bronchus and lung                    | Diagnosis            | ICD-10-CM        |
| C7A.091     | Malignant carcinoid tumor of the thymus                               | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| C7A.092     | Malignant carcinoid tumor of the stomach   | Diagnosis            | ICD-10-CM        |
| C7A.093     | Malignant carcinoid tumor of the kidney  | Diagnosis            | ICD-10-CM        |
| C7A.094     | Malignant carcinoid tumor of the foregut, unspecified  | Diagnosis            | ICD-10-CM        |
| C7A.095     | Malignant carcinoid tumor of the midgut, unspecified   | Diagnosis            | ICD-10-CM        |
| C7A.096     | Malignant carcinoid tumor of the hindgut, unspecified  | Diagnosis            | ICD-10-CM        |
| C7A.098     | Malignant carcinoid tumors of other sites  | Diagnosis            | ICD-10-CM        |
| C7A.1       | Malignant poorly differentiated neuroendocrine tumors  | Diagnosis            | ICD-10-CM        |
| C7A.8       | Other malignant neuroendocrine tumors  | Diagnosis            | ICD-10-CM        |
| C7B.00      | Secondary carcinoid tumors, unspecified site   | Diagnosis            | ICD-10-CM        |
| C7B.01      | Secondary carcinoid tumors of distant lymph nodes  | Diagnosis            | ICD-10-CM        |
| C7B.02      | Secondary carcinoid tumors of liver  | Diagnosis            | ICD-10-CM        |
| C7B.03      | Secondary carcinoid tumors of bone   | Diagnosis            | ICD-10-CM        |
| C7B.04      | Secondary carcinoid tumors of peritoneum   | Diagnosis            | ICD-10-CM        |
| C7B.09      | Secondary carcinoid tumors of other sites  | Diagnosis            | ICD-10-CM        |
| C7B.1       | Secondary Merkel cell carcinoma  | Diagnosis            | ICD-10-CM        |
| C7B.8       | Other secondary neuroendocrine tumors  | Diagnosis            | ICD-10-CM        |
| C80.0       | Disseminated malignant neoplasm, unspecified   | Diagnosis            | ICD-10-CM        |
| C80.1       | Malignant (primary) neoplasm, unspecified  | Diagnosis            | ICD-10-CM        |
| C80.2       | Malignant neoplasm associated with transplanted organ  | Diagnosis            | ICD-10-CM        |
| C81.00      | Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C81.01      | Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C81.02      | Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C81.03      | Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C81.04      | Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C81.05      | Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C81.06      | Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C81.07      | Nodular lymphocyte predominant Hodgkin lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C81.08      | Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C81.09      | Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C81.10      | Nodular sclerosis Hodgkin lymphoma, unspecified site   | Diagnosis            | ICD-10-CM        |
| C81.11      | Nodular sclerosis Hodgkin lymphoma, lymph nodes of head, face, and neck                        | Diagnosis            | ICD-10-CM        |
| C81.12      | Nodular sclerosis Hodgkin lymphoma, intrathoracic lymph nodes                                  | Diagnosis            | ICD-10-CM        |
| C81.13      | Nodular sclerosis Hodgkin lymphoma, intra-abdominal lymph nodes                                | Diagnosis            | ICD-10-CM        |
| C81.14      | Nodular sclerosis Hodgkin lymphoma, lymph nodes of axilla and upper limb                       | Diagnosis            | ICD-10-CM        |
| C81.15      | Nodular sclerosis Hodgkin lymphoma, lymph nodes of inguinal region and lower limb              | Diagnosis            | ICD-10-CM        |
| C81.16      | Nodular sclerosis Hodgkin lymphoma, intrapelvic lymph nodes                                    | Diagnosis            | ICD-10-CM        |
| C81.17      | Nodular sclerosis Hodgkin lymphoma, spleen   | Diagnosis            | ICD-10-CM        |
| C81.18      | Nodular sclerosis Hodgkin lymphoma, lymph nodes of multiple sites                              | Diagnosis            | ICD-10-CM        |
| C81.19      | Nodular sclerosis Hodgkin lymphoma, extranodal and solid organ sites                           | Diagnosis            | ICD-10-CM        |
| C81.20      | Mixed cellularity Hodgkin lymphoma, unspecified site   | Diagnosis            | ICD-10-CM        |
| C81.21      | Mixed cellularity Hodgkin lymphoma, lymph nodes of head, face, and neck                        | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C81.22      | Mixed cellularity Hodgkin lymphoma, intrathoracic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C81.23      | Mixed cellularity Hodgkin lymphoma, intra-abdominal lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C81.24      | Mixed cellularity Hodgkin lymphoma, lymph nodes of axilla and upper limb            | Diagnosis            | ICD-10-CM        |
| C81.25      | Mixed cellularity Hodgkin lymphoma, lymph nodes of inguinal region and lower limb   | Diagnosis            | ICD-10-CM        |
| C81.26      | Mixed cellularity Hodgkin lymphoma, intrapelvic lymph nodes                         | Diagnosis            | ICD-10-CM        |
| C81.27      | Mixed cellularity Hodgkin lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C81.28      | Mixed cellularity Hodgkin lymphoma, lymph nodes of multiple sites                   | Diagnosis            | ICD-10-CM        |
| C81.29      | Mixed cellularity Hodgkin lymphoma, extranodal and solid organ sites                | Diagnosis            | ICD-10-CM        |
| C81.30      | Lymphocyte depleted Hodgkin lymphoma, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C81.31      | Lymphocyte depleted Hodgkin lymphoma, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C81.32      | Lymphocyte depleted Hodgkin lymphoma, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C81.33      | Lymphocyte depleted Hodgkin lymphoma, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C81.34      | Lymphocyte depleted Hodgkin lymphoma, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C81.35      | Lymphocyte depleted Hodgkin lymphoma, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C81.36      | Lymphocyte depleted Hodgkin lymphoma, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C81.37      | Lymphocyte depleted Hodgkin lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C81.38      | Lymphocyte depleted Hodgkin lymphoma, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C81.39      | Lymphocyte depleted Hodgkin lymphoma, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C81.40      | Lymphocyte-rich Hodgkin lymphoma, unspecified site                                  | Diagnosis            | ICD-10-CM        |
| C81.41      | Lymphocyte-rich Hodgkin lymphoma, lymph nodes of head, face, and neck               | Diagnosis            | ICD-10-CM        |
| C81.42      | Lymphocyte-rich Hodgkin lymphoma, intrathoracic lymph nodes                         | Diagnosis            | ICD-10-CM        |
| C81.43      | Lymphocyte-rich Hodgkin lymphoma, intra-abdominal lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C81.44      | Lymphocyte-rich Hodgkin lymphoma, lymph nodes of axilla and upper limb              | Diagnosis            | ICD-10-CM        |
| C81.45      | Lymphocyte-rich Hodgkin lymphoma, lymph nodes of inguinal region and lower limb     | Diagnosis            | ICD-10-CM        |
| C81.46      | Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph nodes                           | Diagnosis            | ICD-10-CM        |
| C81.47      | Lymphocyte-rich Hodgkin lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C81.48      | Lymphocyte-rich Hodgkin lymphoma, lymph nodes of multiple sites                     | Diagnosis            | ICD-10-CM        |
| C81.49      | Lymphocyte-rich Hodgkin lymphoma, extranodal and solid organ sites                  | Diagnosis            | ICD-10-CM        |
| C81.70      | Other Hodgkin lymphoma, unspecified site  | Diagnosis            | ICD-10-CM        |
| C81.71      | Other Hodgkin lymphoma, lymph nodes of head, face, and neck                         | Diagnosis            | ICD-10-CM        |
| C81.72      | Other Hodgkin lymphoma, intrathoracic lymph nodes                                   | Diagnosis            | ICD-10-CM        |
| C81.73      | Other Hodgkin lymphoma, intra-abdominal lymph nodes                                 | Diagnosis            | ICD-10-CM        |
| C81.74      | Other Hodgkin lymphoma, lymph nodes of axilla and upper limb                        | Diagnosis            | ICD-10-CM        |
| C81.75      | Other Hodgkin lymphoma, lymph nodes of inguinal region and lower limb               | Diagnosis            | ICD-10-CM        |
| C81.76      | Other Hodgkin lymphoma, intrapelvic lymph nodes                                     | Diagnosis            | ICD-10-CM        |
| C81.77      | Other Hodgkin lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C81.78      | Other Hodgkin lymphoma, lymph nodes of multiple sites                               | Diagnosis            | ICD-10-CM        |
| C81.79      | Other Hodgkin lymphoma, extranodal and solid organ sites                            | Diagnosis            | ICD-10-CM        |
| C81.90      | Hodgkin lymphoma, unspecified, unspecified site                                     | Diagnosis            | ICD-10-CM        |
| C81.91      | Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck                  | Diagnosis            | ICD-10-CM        |
| C81.92      | Hodgkin lymphoma, unspecified, intrathoracic lymph nodes                            | Diagnosis            | ICD-10-CM        |
| C81.93      | Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes                          | Diagnosis            | ICD-10-CM        |
| C81.94      | Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb                 | Diagnosis            | ICD-10-CM        |
| C81.95      | Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb        | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C81.96      | Hodgkin lymphoma, unspecified, intrapelvic lymph nodes                                    | Diagnosis            | ICD-10-CM        |
| C81.97      | Hodgkin lymphoma, unspecified, spleen   | Diagnosis            | ICD-10-CM        |
| C81.98      | Hodgkin lymphoma, unspecified, lymph nodes of multiple sites                              | Diagnosis            | ICD-10-CM        |
| C81.99      | Hodgkin lymphoma, unspecified, extranodal and solid organ sites                           | Diagnosis            | ICD-10-CM        |
| C82.00      | Follicular lymphoma grade I, unspecified site   | Diagnosis            | ICD-10-CM        |
| C82.01      | Follicular lymphoma grade I, lymph nodes of head, face, and neck                          | Diagnosis            | ICD-10-CM        |
| C82.02      | Follicular lymphoma grade I, intrathoracic lymph nodes                                    | Diagnosis            | ICD-10-CM        |
| C82.03      | Follicular lymphoma grade I, intra-abdominal lymph nodes                                  | Diagnosis            | ICD-10-CM        |
| C82.04      | Follicular lymphoma grade I, lymph nodes of axilla and upper limb                         | Diagnosis            | ICD-10-CM        |
| C82.05      | Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb                | Diagnosis            | ICD-10-CM        |
| C82.06      | Follicular lymphoma grade I, intrapelvic lymph nodes                                      | Diagnosis            | ICD-10-CM        |
| C82.07      | Follicular lymphoma grade I, spleen   | Diagnosis            | ICD-10-CM        |
| C82.08      | Follicular lymphoma grade I, lymph nodes of multiple sites                                | Diagnosis            | ICD-10-CM        |
| C82.09      | Follicular lymphoma grade I, extranodal and solid organ sites                             | Diagnosis            | ICD-10-CM        |
| C82.10      | Follicular lymphoma grade II, unspecified site  | Diagnosis            | ICD-10-CM        |
| C82.11      | Follicular lymphoma grade II, lymph nodes of head, face, and neck                         | Diagnosis            | ICD-10-CM        |
| C82.12      | Follicular lymphoma grade II, intrathoracic lymph nodes                                   | Diagnosis            | ICD-10-CM        |
| C82.13      | Follicular lymphoma grade II, intra-abdominal lymph nodes                                 | Diagnosis            | ICD-10-CM        |
| C82.14      | Follicular lymphoma grade II, lymph nodes of axilla and upper limb                        | Diagnosis            | ICD-10-CM        |
| C82.15      | Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb               | Diagnosis            | ICD-10-CM        |
| C82.16      | Follicular lymphoma grade II, intrapelvic lymph nodes                                     | Diagnosis            | ICD-10-CM        |
| C82.17      | Follicular lymphoma grade II, spleen  | Diagnosis            | ICD-10-CM        |
| C82.18      | Follicular lymphoma grade II, lymph nodes of multiple sites                               | Diagnosis            | ICD-10-CM        |
| C82.19      | Follicular lymphoma grade II, extranodal and solid organ sites                            | Diagnosis            | ICD-10-CM        |
| C82.20      | Follicular lymphoma grade III, unspecified, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C82.21      | Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C82.22      | Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C82.23      | Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C82.24      | Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C82.25      | Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C82.26      | Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C82.27      | Follicular lymphoma grade III, unspecified, spleen  | Diagnosis            | ICD-10-CM        |
| C82.28      | Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C82.29      | Follicular lymphoma grade III, unspecified, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C82.30      | Follicular lymphoma grade IIIa, unspecified site  | Diagnosis            | ICD-10-CM        |
| C82.31      | Follicular lymphoma grade IIIa, lymph nodes of head, face, and neck                       | Diagnosis            | ICD-10-CM        |
| C82.32      | Follicular lymphoma grade IIIa, intrathoracic lymph nodes                                 | Diagnosis            | ICD-10-CM        |
| C82.33      | Follicular lymphoma grade IIIa, intra-abdominal lymph nodes                               | Diagnosis            | ICD-10-CM        |
| C82.34      | Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb                      | Diagnosis            | ICD-10-CM        |
| C82.35      | Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb             | Diagnosis            | ICD-10-CM        |
| C82.36      | Follicular lymphoma grade IIIa, intrapelvic lymph nodes                                   | Diagnosis            | ICD-10-CM        |
| C82.37      | Follicular lymphoma grade IIIa, spleen  | Diagnosis            | ICD-10-CM        |
| C82.38      | Follicular lymphoma grade IIIa, lymph nodes of multiple sites                             | Diagnosis            | ICD-10-CM        |
| C82.39      | Follicular lymphoma grade IIIa, extranodal and solid organ sites                          | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C82.40      | Follicular lymphoma grade IIIb, unspecified site                                  | Diagnosis            | ICD-10-CM        |
| C82.41      | Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck               | Diagnosis            | ICD-10-CM        |
| C82.42      | Follicular lymphoma grade IIIb, intrathoracic lymph nodes                         | Diagnosis            | ICD-10-CM        |
| C82.43      | Follicular lymphoma grade IIIb, intra-abdominal lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C82.44      | Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb              | Diagnosis            | ICD-10-CM        |
| C82.45      | Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb     | Diagnosis            | ICD-10-CM        |
| C82.46      | Follicular lymphoma grade IIIb, intrapelvic lymph nodes                           | Diagnosis            | ICD-10-CM        |
| C82.47      | Follicular lymphoma grade IIIb, spleen  | Diagnosis            | ICD-10-CM        |
| C82.48      | Follicular lymphoma grade IIIb, lymph nodes of multiple sites                     | Diagnosis            | ICD-10-CM        |
| C82.49      | Follicular lymphoma grade IIIb, extranodal and solid organ sites                  | Diagnosis            | ICD-10-CM        |
| C82.50      | Diffuse follicle center lymphoma, unspecified site                                | Diagnosis            | ICD-10-CM        |
| C82.51      | Diffuse follicle center lymphoma, lymph nodes of head, face, and neck             | Diagnosis            | ICD-10-CM        |
| C82.52      | Diffuse follicle center lymphoma, intrathoracic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C82.53      | Diffuse follicle center lymphoma, intra-abdominal lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C82.54      | Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb            | Diagnosis            | ICD-10-CM        |
| C82.55      | Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb   | Diagnosis            | ICD-10-CM        |
| C82.56      | Diffuse follicle center lymphoma, intrapelvic lymph nodes                         | Diagnosis            | ICD-10-CM        |
| C82.57      | Diffuse follicle center lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C82.58      | Diffuse follicle center lymphoma, lymph nodes of multiple sites                   | Diagnosis            | ICD-10-CM        |
| C82.59      | Diffuse follicle center lymphoma, extranodal and solid organ sites                | Diagnosis            | ICD-10-CM        |
| C82.60      | Cutaneous follicle center lymphoma, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C82.61      | Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C82.62      | Cutaneous follicle center lymphoma, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C82.63      | Cutaneous follicle center lymphoma, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C82.64      | Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C82.65      | Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C82.66      | Cutaneous follicle center lymphoma, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C82.67      | Cutaneous follicle center lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C82.68      | Cutaneous follicle center lymphoma, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C82.69      | Cutaneous follicle center lymphoma, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C82.80      | Other types of follicular lymphoma, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C82.81      | Other types of follicular lymphoma, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C82.82      | Other types of follicular lymphoma, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C82.83      | Other types of follicular lymphoma, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C82.84      | Other types of follicular lymphoma, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C82.85      | Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C82.86      | Other types of follicular lymphoma, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C82.87      | Other types of follicular lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C82.88      | Other types of follicular lymphoma, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C82.89      | Other types of follicular lymphoma, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C82.90      | Follicular lymphoma, unspecified, unspecified site                                | Diagnosis            | ICD-10-CM        |
| C82.91      | Follicular lymphoma, unspecified, lymph nodes of head, face, and neck             | Diagnosis            | ICD-10-CM        |
| C82.92      | Follicular lymphoma, unspecified, intrathoracic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C82.93      | Follicular lymphoma, unspecified, intra-abdominal lymph nodes                     | Diagnosis            | ICD-10-CM        |



**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C82.94      | Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C82.95      | Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C82.96      | Follicular lymphoma, unspecified, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C82.97      | Follicular lymphoma, unspecified, spleen  | Diagnosis            | ICD-10-CM        |
| C82.98      | Follicular lymphoma, unspecified, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C82.99      | Follicular lymphoma, unspecified, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C83.00      | Small cell B-cell lymphoma, unspecified site                                    | Diagnosis            | ICD-10-CM        |
| C83.01      | Small cell B-cell lymphoma, lymph nodes of head, face, and neck                 | Diagnosis            | ICD-10-CM        |
| C83.02      | Small cell B-cell lymphoma, intrathoracic lymph nodes                           | Diagnosis            | ICD-10-CM        |
| C83.03      | Small cell B-cell lymphoma, intra-abdominal lymph nodes                         | Diagnosis            | ICD-10-CM        |
| C83.04      | Small cell B-cell lymphoma, lymph nodes of axilla and upper limb                | Diagnosis            | ICD-10-CM        |
| C83.05      | Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb       | Diagnosis            | ICD-10-CM        |
| C83.06      | Small cell B-cell lymphoma, intrapelvic lymph nodes                             | Diagnosis            | ICD-10-CM        |
| C83.07      | Small cell B-cell lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C83.08      | Small cell B-cell lymphoma, lymph nodes of multiple sites                       | Diagnosis            | ICD-10-CM        |
| C83.09      | Small cell B-cell lymphoma, extranodal and solid organ sites                    | Diagnosis            | ICD-10-CM        |
| C83.10      | Mantle cell lymphoma, unspecified site  | Diagnosis            | ICD-10-CM        |
| C83.11      | Mantle cell lymphoma, lymph nodes of head, face, and neck                       | Diagnosis            | ICD-10-CM        |
| C83.12      | Mantle cell lymphoma, intrathoracic lymph nodes                                 | Diagnosis            | ICD-10-CM        |
| C83.13      | Mantle cell lymphoma, intra-abdominal lymph nodes                               | Diagnosis            | ICD-10-CM        |
| C83.14      | Mantle cell lymphoma, lymph nodes of axilla and upper limb                      | Diagnosis            | ICD-10-CM        |
| C83.15      | Mantle cell lymphoma, lymph nodes of inguinal region and lower limb             | Diagnosis            | ICD-10-CM        |
| C83.16      | Mantle cell lymphoma, intrapelvic lymph nodes                                   | Diagnosis            | ICD-10-CM        |
| C83.17      | Mantle cell lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C83.18      | Mantle cell lymphoma, lymph nodes of multiple sites                             | Diagnosis            | ICD-10-CM        |
| C83.19      | Mantle cell lymphoma, extranodal and solid organ sites                          | Diagnosis            | ICD-10-CM        |
| C83.30      | Diffuse large B-cell lymphoma, unspecified site                                 | Diagnosis            | ICD-10-CM        |
| C83.31      | Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck              | Diagnosis            | ICD-10-CM        |
| C83.32      | Diffuse large B-cell lymphoma, intrathoracic lymph nodes                        | Diagnosis            | ICD-10-CM        |
| C83.33      | Diffuse large B-cell lymphoma, intra-abdominal lymph nodes                      | Diagnosis            | ICD-10-CM        |
| C83.34      | Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb             | Diagnosis            | ICD-10-CM        |
| C83.35      | Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb    | Diagnosis            | ICD-10-CM        |
| C83.36      | Diffuse large B-cell lymphoma, intrapelvic lymph nodes                          | Diagnosis            | ICD-10-CM        |
| C83.37      | Diffuse large B-cell lymphoma, spleen   | Diagnosis            | ICD-10-CM        |
| C83.38      | Diffuse large B-cell lymphoma, lymph nodes of multiple sites                    | Diagnosis            | ICD-10-CM        |
| C83.39      | Diffuse large B-cell lymphoma, extranodal and solid organ sites                 | Diagnosis            | ICD-10-CM        |
| C83.50      | Lymphoblastic (diffuse) lymphoma, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C83.51      | Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C83.52      | Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C83.53      | Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C83.54      | Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C83.55      | Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C83.56      | Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C83.57      | Lymphoblastic (diffuse) lymphoma, spleen  | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C83.58      | Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites                               | Diagnosis            | ICD-10-CM        |
| C83.59      | Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites                            | Diagnosis            | ICD-10-CM        |
| C83.70      | Burkitt lymphoma, unspecified site  | Diagnosis            | ICD-10-CM        |
| C83.71      | Burkitt lymphoma, lymph nodes of head, face, and neck   | Diagnosis            | ICD-10-CM        |
| C83.72      | Burkitt lymphoma, intrathoracic lymph nodes   | Diagnosis            | ICD-10-CM        |
| C83.73      | Burkitt lymphoma, intra-abdominal lymph nodes   | Diagnosis            | ICD-10-CM        |
| C83.74      | Burkitt lymphoma, lymph nodes of axilla and upper limb  | Diagnosis            | ICD-10-CM        |
| C83.75      | Burkitt lymphoma, lymph nodes of inguinal region and lower limb                               | Diagnosis            | ICD-10-CM        |
| C83.76      | Burkitt lymphoma, intrapelvic lymph nodes   | Diagnosis            | ICD-10-CM        |
| C83.77      | Burkitt lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C83.78      | Burkitt lymphoma, lymph nodes of multiple sites   | Diagnosis            | ICD-10-CM        |
| C83.79      | Burkitt lymphoma, extranodal and solid organ sites  | Diagnosis            | ICD-10-CM        |
| C83.80      | Other non-follicular lymphoma, unspecified site   | Diagnosis            | ICD-10-CM        |
| C83.81      | Other non-follicular lymphoma, lymph nodes of head, face, and neck                            | Diagnosis            | ICD-10-CM        |
| C83.82      | Other non-follicular lymphoma, intrathoracic lymph nodes                                      | Diagnosis            | ICD-10-CM        |
| C83.83      | Other non-follicular lymphoma, intra-abdominal lymph nodes                                    | Diagnosis            | ICD-10-CM        |
| C83.84      | Other non-follicular lymphoma, lymph nodes of axilla and upper limb                           | Diagnosis            | ICD-10-CM        |
| C83.85      | Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb                  | Diagnosis            | ICD-10-CM        |
| C83.86      | Other non-follicular lymphoma, intrapelvic lymph nodes  | Diagnosis            | ICD-10-CM        |
| C83.87      | Other non-follicular lymphoma, spleen   | Diagnosis            | ICD-10-CM        |
| C83.88      | Other non-follicular lymphoma, lymph nodes of multiple sites                                  | Diagnosis            | ICD-10-CM        |
| C83.89      | Other non-follicular lymphoma, extranodal and solid organ sites                               | Diagnosis            | ICD-10-CM        |
| C83.90      | Non-follicular (diffuse) lymphoma, unspecified, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C83.91      | Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C83.92      | Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C83.93      | Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C83.94      | Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C83.95      | Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C83.96      | Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C83.97      | Non-follicular (diffuse) lymphoma, unspecified, spleen  | Diagnosis            | ICD-10-CM        |
| C83.98      | Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C83.99      | Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C84.00      | Mycosis fungoides, unspecified site   | Diagnosis            | ICD-10-CM        |
| C84.01      | Mycosis fungoides, lymph nodes of head, face, and neck  | Diagnosis            | ICD-10-CM        |
| C84.02      | Mycosis fungoides, intrathoracic lymph nodes  | Diagnosis            | ICD-10-CM        |
| C84.03      | Mycosis fungoides, intra-abdominal lymph nodes  | Diagnosis            | ICD-10-CM        |
| C84.04      | Mycosis fungoides, lymph nodes of axilla and upper limb                                       | Diagnosis            | ICD-10-CM        |
| C84.05      | Mycosis fungoides, lymph nodes of inguinal region and lower limb                              | Diagnosis            | ICD-10-CM        |
| C84.06      | Mycosis fungoides, intrapelvic lymph nodes  | Diagnosis            | ICD-10-CM        |
| C84.07      | Mycosis fungoides, spleen   | Diagnosis            | ICD-10-CM        |
| C84.08      | Mycosis fungoides, lymph nodes of multiple sites  | Diagnosis            | ICD-10-CM        |
| C84.09      | Mycosis fungoides, extranodal and solid organ sites   | Diagnosis            | ICD-10-CM        |
| C84.10      | Sezary disease, unspecified site  | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C84.11      | Sezary disease, lymph nodes of head, face, and neck   | Diagnosis            | ICD-10-CM        |
| C84.12      | Sezary disease, intrathoracic lymph nodes   | Diagnosis            | ICD-10-CM        |
| C84.13      | Sezary disease, intra-abdominal lymph nodes   | Diagnosis            | ICD-10-CM        |
| C84.14      | Sezary disease, lymph nodes of axilla and upper limb  | Diagnosis            | ICD-10-CM        |
| C84.15      | Sezary disease, lymph nodes of inguinal region and lower limb                               | Diagnosis            | ICD-10-CM        |
| C84.16      | Sezary disease, intrapelvic lymph nodes   | Diagnosis            | ICD-10-CM        |
| C84.17      | Sezary disease, spleen  | Diagnosis            | ICD-10-CM        |
| C84.18      | Sezary disease, lymph nodes of multiple sites   | Diagnosis            | ICD-10-CM        |
| C84.19      | Sezary disease, extranodal and solid organ sites  | Diagnosis            | ICD-10-CM        |
| C84.40      | Peripheral T-cell lymphoma, not classified, unspecified site                                | Diagnosis            | ICD-10-CM        |
| C84.41      | Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck             | Diagnosis            | ICD-10-CM        |
| C84.42      | Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C84.43      | Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C84.44      | Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb            | Diagnosis            | ICD-10-CM        |
| C84.45      | Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb   | Diagnosis            | ICD-10-CM        |
| C84.46      | Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes                         | Diagnosis            | ICD-10-CM        |
| C84.47      | Peripheral T-cell lymphoma, not classified, spleen  | Diagnosis            | ICD-10-CM        |
| C84.48      | Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites                   | Diagnosis            | ICD-10-CM        |
| C84.49      | Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites                | Diagnosis            | ICD-10-CM        |
| C84.60      | Anaplastic large cell lymphoma, ALK-positive, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C84.61      | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C84.62      | Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C84.63      | Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C84.64      | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C84.65      | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C84.66      | Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C84.67      | Anaplastic large cell lymphoma, ALK-positive, spleen  | Diagnosis            | ICD-10-CM        |
| C84.68      | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C84.69      | Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C84.70      | Anaplastic large cell lymphoma, ALK-negative, unspecified site                              | Diagnosis            | ICD-10-CM        |
| C84.71      | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck           | Diagnosis            | ICD-10-CM        |
| C84.72      | Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes                     | Diagnosis            | ICD-10-CM        |
| C84.73      | Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C84.74      | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C84.75      | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C84.76      | Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C84.77      | Anaplastic large cell lymphoma, ALK-negative, spleen  | Diagnosis            | ICD-10-CM        |
| C84.78      | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C84.79      | Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C84.90      | Mature T/NK-cell lymphomas, unspecified, unspecified site                                   | Diagnosis            | ICD-10-CM        |
| C84.91      | Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck                | Diagnosis            | ICD-10-CM        |
| C84.92      | Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes                          | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| C84.93      | Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes                   | Diagnosis            | ICD-10-CM        |
| C84.94      | Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb          | Diagnosis            | ICD-10-CM        |
| C84.95      | Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb | Diagnosis            | ICD-10-CM        |
| C84.96      | Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes                       | Diagnosis            | ICD-10-CM        |
| C84.97      | Mature T/NK-cell lymphomas, unspecified, spleen  | Diagnosis            | ICD-10-CM        |
| C84.98      | Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites                 | Diagnosis            | ICD-10-CM        |
| C84.99      | Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites              | Diagnosis            | ICD-10-CM        |
| C84.A0      | Cutaneous T-cell lymphoma, unspecified, unspecified site                               | Diagnosis            | ICD-10-CM        |
| C84.A1      | Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck             | Diagnosis            | ICD-10-CM        |
| C84.A2      | Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes                      | Diagnosis            | ICD-10-CM        |
| C84.A3      | Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes                    | Diagnosis            | ICD-10-CM        |
| C84.A4      | Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb           | Diagnosis            | ICD-10-CM        |
| C84.A5      | Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb  | Diagnosis            | ICD-10-CM        |
| C84.A6      | Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes                        | Diagnosis            | ICD-10-CM        |
| C84.A7      | Cutaneous T-cell lymphoma, unspecified, spleen   | Diagnosis            | ICD-10-CM        |
| C84.A8      | Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites                  | Diagnosis            | ICD-10-CM        |
| C84.A9      | Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites               | Diagnosis            | ICD-10-CM        |
| C84.Z0      | Other mature T/NK-cell lymphomas, unspecified site                                     | Diagnosis            | ICD-10-CM        |
| C84.Z1      | Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck                  | Diagnosis            | ICD-10-CM        |
| C84.Z2      | Other mature T/NK-cell lymphomas, intrathoracic lymph nodes                            | Diagnosis            | ICD-10-CM        |
| C84.Z3      | Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes                          | Diagnosis            | ICD-10-CM        |
| C84.Z4      | Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb                 | Diagnosis            | ICD-10-CM        |
| C84.Z5      | Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb        | Diagnosis            | ICD-10-CM        |
| C84.Z6      | Other mature T/NK-cell lymphomas, intrapelvic lymph nodes                              | Diagnosis            | ICD-10-CM        |
| C84.Z7      | Other mature T/NK-cell lymphomas, spleen   | Diagnosis            | ICD-10-CM        |
| C84.Z8      | Other mature T/NK-cell lymphomas, lymph nodes of multiple sites                        | Diagnosis            | ICD-10-CM        |
| C84.Z9      | Other mature T/NK-cell lymphomas, extranodal and solid organ sites                     | Diagnosis            | ICD-10-CM        |
| C85.10      | Unspecified B-cell lymphoma, unspecified site  | Diagnosis            | ICD-10-CM        |
| C85.11      | Unspecified B-cell lymphoma, lymph nodes of head, face, and neck                       | Diagnosis            | ICD-10-CM        |
| C85.12      | Unspecified B-cell lymphoma, intrathoracic lymph nodes                                 | Diagnosis            | ICD-10-CM        |
| C85.13      | Unspecified B-cell lymphoma, intra-abdominal lymph nodes                               | Diagnosis            | ICD-10-CM        |
| C85.14      | Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb                      | Diagnosis            | ICD-10-CM        |
| C85.15      | Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb             | Diagnosis            | ICD-10-CM        |
| C85.16      | Unspecified B-cell lymphoma, intrapelvic lymph nodes                                   | Diagnosis            | ICD-10-CM        |
| C85.17      | Unspecified B-cell lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C85.18      | Unspecified B-cell lymphoma, lymph nodes of multiple sites                             | Diagnosis            | ICD-10-CM        |
| C85.19      | Unspecified B-cell lymphoma, extranodal and solid organ sites                          | Diagnosis            | ICD-10-CM        |
| C85.20      | Mediastinal (thymic) large B-cell lymphoma, unspecified site                           | Diagnosis            | ICD-10-CM        |
| C85.21      | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck        | Diagnosis            | ICD-10-CM        |
| C85.22      | Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes                  | Diagnosis            | ICD-10-CM        |
| C85.23      | Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes                | Diagnosis            | ICD-10-CM        |
| C85.24      | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb       | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C85.25      | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb     | Diagnosis            | ICD-10-CM        |
| C85.26      | Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes                           | Diagnosis            | ICD-10-CM        |
| C85.27      | Mediastinal (thymic) large B-cell lymphoma, spleen  | Diagnosis            | ICD-10-CM        |
| C85.28      | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites                     | Diagnosis            | ICD-10-CM        |
| C85.29      | Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites                  | Diagnosis            | ICD-10-CM        |
| C85.80      | Other specified types of non-Hodgkin lymphoma, unspecified site                               | Diagnosis            | ICD-10-CM        |
| C85.81      | Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck            | Diagnosis            | ICD-10-CM        |
| C85.82      | Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes                      | Diagnosis            | ICD-10-CM        |
| C85.83      | Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes                    | Diagnosis            | ICD-10-CM        |
| C85.84      | Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb           | Diagnosis            | ICD-10-CM        |
| C85.85      | Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb  | Diagnosis            | ICD-10-CM        |
| C85.86      | Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes                        | Diagnosis            | ICD-10-CM        |
| C85.87      | Other specified types of non-Hodgkin lymphoma, spleen   | Diagnosis            | ICD-10-CM        |
| C85.88      | Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites                  | Diagnosis            | ICD-10-CM        |
| C85.89      | Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites               | Diagnosis            | ICD-10-CM        |
| C85.90      | Non-Hodgkin lymphoma, unspecified, unspecified site   | Diagnosis            | ICD-10-CM        |
| C85.91      | Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck                        | Diagnosis            | ICD-10-CM        |
| C85.92      | Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes                                  | Diagnosis            | ICD-10-CM        |
| C85.93      | Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes                                | Diagnosis            | ICD-10-CM        |
| C85.94      | Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb                       | Diagnosis            | ICD-10-CM        |
| C85.95      | Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb              | Diagnosis            | ICD-10-CM        |
| C85.96      | Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes                                    | Diagnosis            | ICD-10-CM        |
| C85.97      | Non-Hodgkin lymphoma, unspecified, spleen   | Diagnosis            | ICD-10-CM        |
| C85.98      | Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites                              | Diagnosis            | ICD-10-CM        |
| C85.99      | Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites                           | Diagnosis            | ICD-10-CM        |
| C86.0       | Extranodal NK/T-cell lymphoma, nasal type   | Diagnosis            | ICD-10-CM        |
| C86.1       | Hepatosplenic T-cell lymphoma   | Diagnosis            | ICD-10-CM        |
| C86.2       | Enteropathy-type (intestinal) T-cell lymphoma   | Diagnosis            | ICD-10-CM        |
| C86.3       | Subcutaneous panniculitis-like T-cell lymphoma  | Diagnosis            | ICD-10-CM        |
| C86.4       | Blastic NK-cell lymphoma  | Diagnosis            | ICD-10-CM        |
| C86.5       | Angioimmunoblastic T-cell lymphoma  | Diagnosis            | ICD-10-CM        |
| C86.6       | Primary cutaneous CD30-positive T-cell proliferations   | Diagnosis            | ICD-10-CM        |
| C88.2       | Heavy chain disease   | Diagnosis            | ICD-10-CM        |
| C88.3       | Immunoproliferative small intestinal disease  | Diagnosis            | ICD-10-CM        |
| C88.4       | Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma] | Diagnosis            | ICD-10-CM        |
| C88.8       | Other malignant immunoproliferative diseases  | Diagnosis            | ICD-10-CM        |
| C88.9       | Malignant immunoproliferative disease, unspecified  | Diagnosis            | ICD-10-CM        |
| C90.10      | Plasma cell leukemia not having achieved remission  | Diagnosis            | ICD-10-CM        |
| C90.11      | Plasma cell leukemia in remission   | Diagnosis            | ICD-10-CM        |
| C90.12      | Plasma cell leukemia in relapse   | Diagnosis            | ICD-10-CM        |
| C90.20      | Extramedullary plasmacytoma not having achieved remission                                     | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>   | <b>Code Category</b> | <b>Code Type</b> |
|-------------|--|----------------------|------------------|
| C90.21      | Extramedullary plasmacytoma in remission   | Diagnosis            | ICD-10-CM        |
| C90.22      | Extramedullary plasmacytoma in relapse   | Diagnosis            | ICD-10-CM        |
| C90.30      | Solitary plasmacytoma not having achieved remission                                | Diagnosis            | ICD-10-CM        |
| C90.31      | Solitary plasmacytoma in remission   | Diagnosis            | ICD-10-CM        |
| C90.32      | Solitary plasmacytoma in relapse   | Diagnosis            | ICD-10-CM        |
| C91.00      | Acute lymphoblastic leukemia not having achieved remission                         | Diagnosis            | ICD-10-CM        |
| C91.01      | Acute lymphoblastic leukemia, in remission   | Diagnosis            | ICD-10-CM        |
| C91.02      | Acute lymphoblastic leukemia, in relapse   | Diagnosis            | ICD-10-CM        |
| C91.10      | Chronic lymphocytic leukemia of B-cell type not having achieved remission          | Diagnosis            | ICD-10-CM        |
| C91.11      | Chronic lymphocytic leukemia of B-cell type in remission                           | Diagnosis            | ICD-10-CM        |
| C91.12      | Chronic lymphocytic leukemia of B-cell type in relapse                             | Diagnosis            | ICD-10-CM        |
| C91.30      | Prolymphocytic leukemia of B-cell type not having achieved remission               | Diagnosis            | ICD-10-CM        |
| C91.31      | Prolymphocytic leukemia of B-cell type, in remission                               | Diagnosis            | ICD-10-CM        |
| C91.32      | Prolymphocytic leukemia of B-cell type, in relapse                                 | Diagnosis            | ICD-10-CM        |
| C91.40      | Hairy cell leukemia not having achieved remission                                  | Diagnosis            | ICD-10-CM        |
| C91.41      | Hairy cell leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C91.42      | Hairy cell leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C91.50      | Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission   | Diagnosis            | ICD-10-CM        |
| C91.51      | Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission                   | Diagnosis            | ICD-10-CM        |
| C91.52      | Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse                     | Diagnosis            | ICD-10-CM        |
| C91.60      | Prolymphocytic leukemia of T-cell type not having achieved remission               | Diagnosis            | ICD-10-CM        |
| C91.61      | Prolymphocytic leukemia of T-cell type, in remission                               | Diagnosis            | ICD-10-CM        |
| C91.62      | Prolymphocytic leukemia of T-cell type, in relapse                                 | Diagnosis            | ICD-10-CM        |
| C91.90      | Lymphoid leukemia, unspecified not having achieved remission                       | Diagnosis            | ICD-10-CM        |
| C91.91      | Lymphoid leukemia, unspecified, in remission                                       | Diagnosis            | ICD-10-CM        |
| C91.92      | Lymphoid leukemia, unspecified, in relapse   | Diagnosis            | ICD-10-CM        |
| C91.A0      | Mature B-cell leukemia Burkitt-type not having achieved remission                  | Diagnosis            | ICD-10-CM        |
| C91.A1      | Mature B-cell leukemia Burkitt-type, in remission                                  | Diagnosis            | ICD-10-CM        |
| C91.A2      | Mature B-cell leukemia Burkitt-type, in relapse                                    | Diagnosis            | ICD-10-CM        |
| C91.Z0      | Other lymphoid leukemia not having achieved remission                              | Diagnosis            | ICD-10-CM        |
| C91.Z1      | Other lymphoid leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C91.Z2      | Other lymphoid leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C92.00      | Acute myeloblastic leukemia, not having achieved remission                         | Diagnosis            | ICD-10-CM        |
| C92.01      | Acute myeloblastic leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C92.02      | Acute myeloblastic leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C92.10      | Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission          | Diagnosis            | ICD-10-CM        |
| C92.11      | Chronic myeloid leukemia, BCR/ABL-positive, in remission                           | Diagnosis            | ICD-10-CM        |
| C92.12      | Chronic myeloid leukemia, BCR/ABL-positive, in relapse                             | Diagnosis            | ICD-10-CM        |
| C92.20      | Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission | Diagnosis            | ICD-10-CM        |
| C92.21      | Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission                  | Diagnosis            | ICD-10-CM        |
| C92.22      | Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse                    | Diagnosis            | ICD-10-CM        |
| C92.30      | Myeloid sarcoma, not having achieved remission                                     | Diagnosis            | ICD-10-CM        |
| C92.31      | Myeloid sarcoma, in remission  | Diagnosis            | ICD-10-CM        |
| C92.32      | Myeloid sarcoma, in relapse  | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C92.40      | Acute promyelocytic leukemia, not having achieved remission                       | Diagnosis            | ICD-10-CM        |
| C92.41      | Acute promyelocytic leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C92.42      | Acute promyelocytic leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C92.50      | Acute myelomonocytic leukemia, not having achieved remission                      | Diagnosis            | ICD-10-CM        |
| C92.51      | Acute myelomonocytic leukemia, in remission                                       | Diagnosis            | ICD-10-CM        |
| C92.52      | Acute myelomonocytic leukemia, in relapse   | Diagnosis            | ICD-10-CM        |
| C92.60      | Acute myeloid leukemia with 11q23-abnormality not having achieved remission       | Diagnosis            | ICD-10-CM        |
| C92.61      | Acute myeloid leukemia with 11q23-abnormality in remission                        | Diagnosis            | ICD-10-CM        |
| C92.62      | Acute myeloid leukemia with 11q23-abnormality in relapse                          | Diagnosis            | ICD-10-CM        |
| C92.90      | Myeloid leukemia, unspecified, not having achieved remission                      | Diagnosis            | ICD-10-CM        |
| C92.91      | Myeloid leukemia, unspecified in remission  | Diagnosis            | ICD-10-CM        |
| C92.92      | Myeloid leukemia, unspecified in relapse  | Diagnosis            | ICD-10-CM        |
| C92.A0      | Acute myeloid leukemia with multilineage dysplasia, not having achieved remission | Diagnosis            | ICD-10-CM        |
| C92.A1      | Acute myeloid leukemia with multilineage dysplasia, in remission                  | Diagnosis            | ICD-10-CM        |
| C92.A2      | Acute myeloid leukemia with multilineage dysplasia, in relapse                    | Diagnosis            | ICD-10-CM        |
| C92.Z0      | Other myeloid leukemia not having achieved remission                              | Diagnosis            | ICD-10-CM        |
| C92.Z1      | Other myeloid leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C92.Z2      | Other myeloid leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C93.00      | Acute monoblastic/monocytic leukemia, not having achieved remission               | Diagnosis            | ICD-10-CM        |
| C93.01      | Acute monoblastic/monocytic leukemia, in remission                                | Diagnosis            | ICD-10-CM        |
| C93.02      | Acute monoblastic/monocytic leukemia, in relapse                                  | Diagnosis            | ICD-10-CM        |
| C93.10      | Chronic myelomonocytic leukemia not having achieved remission                     | Diagnosis            | ICD-10-CM        |
| C93.11      | Chronic myelomonocytic leukemia, in remission                                     | Diagnosis            | ICD-10-CM        |
| C93.12      | Chronic myelomonocytic leukemia, in relapse                                       | Diagnosis            | ICD-10-CM        |
| C93.30      | Juvenile myelomonocytic leukemia, not having achieved remission                   | Diagnosis            | ICD-10-CM        |
| C93.31      | Juvenile myelomonocytic leukemia, in remission                                    | Diagnosis            | ICD-10-CM        |
| C93.32      | Juvenile myelomonocytic leukemia, in relapse                                      | Diagnosis            | ICD-10-CM        |
| C93.90      | Monocytic leukemia, unspecified, not having achieved remission                    | Diagnosis            | ICD-10-CM        |
| C93.91      | Monocytic leukemia, unspecified in remission                                      | Diagnosis            | ICD-10-CM        |
| C93.92      | Monocytic leukemia, unspecified in relapse  | Diagnosis            | ICD-10-CM        |
| C93.Z0      | Other monocytic leukemia, not having achieved remission                           | Diagnosis            | ICD-10-CM        |
| C93.Z1      | Other monocytic leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C93.Z2      | Other monocytic leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C94.00      | Acute erythroid leukemia, not having achieved remission                           | Diagnosis            | ICD-10-CM        |
| C94.01      | Acute erythroid leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C94.02      | Acute erythroid leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C94.20      | Acute megakaryoblastic leukemia not having achieved remission                     | Diagnosis            | ICD-10-CM        |
| C94.21      | Acute megakaryoblastic leukemia, in remission                                     | Diagnosis            | ICD-10-CM        |
| C94.22      | Acute megakaryoblastic leukemia, in relapse                                       | Diagnosis            | ICD-10-CM        |
| C94.30      | Mast cell leukemia not having achieved remission                                  | Diagnosis            | ICD-10-CM        |
| C94.31      | Mast cell leukemia, in remission  | Diagnosis            | ICD-10-CM        |
| C94.32      | Mast cell leukemia, in relapse  | Diagnosis            | ICD-10-CM        |
| C94.80      | Other specified leukemias not having achieved remission                           | Diagnosis            | ICD-10-CM        |
| C94.81      | Other specified leukemias, in remission   | Diagnosis            | ICD-10-CM        |

**Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request**

| <b>Code</b> | <b>Description</b>  | <b>Code Category</b> | <b>Code Type</b> |
|-------------|---|----------------------|------------------|
| C94.82      | Other specified leukemias, in relapse   | Diagnosis            | ICD-10-CM        |
| C95.00      | Acute leukemia of unspecified cell type not having achieved remission             | Diagnosis            | ICD-10-CM        |
| C95.01      | Acute leukemia of unspecified cell type, in remission                             | Diagnosis            | ICD-10-CM        |
| C95.02      | Acute leukemia of unspecified cell type, in relapse                               | Diagnosis            | ICD-10-CM        |
| C95.10      | Chronic leukemia of unspecified cell type not having achieved remission           | Diagnosis            | ICD-10-CM        |
| C95.11      | Chronic leukemia of unspecified cell type, in remission                           | Diagnosis            | ICD-10-CM        |
| C95.12      | Chronic leukemia of unspecified cell type, in relapse                             | Diagnosis            | ICD-10-CM        |
| C95.90      | Leukemia, unspecified not having achieved remission                               | Diagnosis            | ICD-10-CM        |
| C95.91      | Leukemia, unspecified, in remission   | Diagnosis            | ICD-10-CM        |
| C95.92      | Leukemia, unspecified, in relapse   | Diagnosis            | ICD-10-CM        |
| C96.0       | Multifocal and multisystemic (disseminated) Langerhans-cell histiocytosis         | Diagnosis            | ICD-10-CM        |
| C96.20      | Malignant mast cell neoplasm, unspecified   | Diagnosis            | ICD-10-CM        |
| C96.21      | Aggressive systemic mastocytosis  | Diagnosis            | ICD-10-CM        |
| C96.22      | Mast cell sarcoma   | Diagnosis            | ICD-10-CM        |
| C96.29      | Other malignant mast cell neoplasm  | Diagnosis            | ICD-10-CM        |
| C96.4       | Sarcoma of dendritic cells (accessory cells)                                      | Diagnosis            | ICD-10-CM        |
| C96.9       | Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified     | Diagnosis            | ICD-10-CM        |
| C96.A       | Histiocytic sarcoma   | Diagnosis            | ICD-10-CM        |
| C96.Z       | Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue | Diagnosis            | ICD-10-CM        |



### Appendix E. Specifications Defining Parameters for this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) module, version 5.4.4 to describe baseline characteristics and summarize users of pegylated liposomal doxorubicin and non-liposomal doxorubicin in the Sentinel Distributed Database (SDD).

**Query Period:** January 1, 2011 - June 30, 2018  
**Coverage Requirement:** Medical Coverage  
**Enrollment Requirement:** 183 days  
**Enrollment Gap:** 45 days  
**Age Groups:** 0-17, 18-64, 65+ years

| Scenario | Exposure                             |                             |                     |   |                         | Washout Period (days) | Incident with Respect to: | Care Setting                                 | Censor Enrollment at Evidence of | Baseline Characteristics   | Distribution of Index-Defining Encounter Types |
|----------|--------------------------------------|-----------------------------|---------------------|---|-------------------------|-----------------------|---------------------------|--|----------------------------------|--|--|
|          | Index Exposure                       | Code Type                   | Doxorubicin Type    | Cohort Definition                         | Baseline Characteristic |                       |                           |  |                                  | Index-Defining Encounter Types   |  |
| 1        | Doxil                                | NDC                         | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | --   |  |
| 2        | Doxil                                | NDC only in Procedure Table | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | Inpatient setting (IP); Institutional stay setting (IS); Emergency department setting (ED); Ambulatory setting (AV); Other ambulatory setting (OA) |  |
| 3        | Sun Pharma Manufactured Doxorubicin  | NDC                         | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | --   |  |
| 4        | Sun Pharma Manufactured Doxorubicin  | NDC only in Procedure Table | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings   |  |
| 5        | Dr. Reddy's Manufactured Doxorubicin | NDC                         | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | --   |  |

**Appendix E. Specifications Defining Parameters for this Request**

| Scenario | Exposure                             |                             |                     |   |                         | Washout Period (days) | Incident with Respect to: | Care Setting                                 | Censor Enrollment at Evidence of | Baseline Characteristics         | Distribution of Index-Defining Encounter Types |
|----------|--------------------------------------|-----------------------------|---------------------|---|-------------------------|-----------------------|---------------------------|--|----------------------------------|----------------------------------|--|
|          | Index Exposure                       | Code Type                   | Doxorubicin Type    | Cohort Definition                         | Baseline Characteristic |                       |                           |  |                                  | Index-Defining Encounter Types   |  |
| 6        | Dr. Reddy's Manufactured Doxorubicin | NDC only in Procedure Table | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings |  |
| 7        | Lipodox                              | NDC                         | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | --                               |  |
| 8        | Lipodox                              | NDC only in Procedure Table | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings |  |
| 9        | Doxorubicin Hydrochloride            | NDC                         | Non-Liposomal       | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | --                               |  |
| 10       | Doxorubicin Hydrochloride            | NDC only in Procedure Table | Non-Liposomal       | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings |  |
| 11       | J9002: Injection, Doxorubicin HCl    | HCPCS                       | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings |  |
| 12       | Q2048: Injection, Doxorubicin HCl    | HCPCS                       | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings |  |
| 13       | Q2049: Injection, Doxorubicin HCl    | HCPCS                       | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings |  |
| 14       | Q2050: Injection, Doxorubicin HCl    | HCPCS                       | Pegylated Liposomal | All valid index dates during query period | 0                       | N/A                   | Any care setting          | Death; Data Partner End Date; Query End Date | See Appendix D                   | IP, IS, ED, AV, OA Care Settings |  |

**Appendix E. Specifications Defining Parameters for this Request**

| Exposure |  |               |                     |   |                       |                           |                  |  |                         | Baseline Characteristics         | Distribution of Index-Defining Encounter Types |
|----------|--|---------------|---------------------|---|-----------------------|---------------------------|------------------|--|-------------------------|----------------------------------|--|
| Scenario | Index Exposure   | Code Type     | Doxorubicin Type    | Cohort Definition                         | Washout Period (days) | Incident with Respect to: | Care Setting     | Censor Enrollment at Evidence of             | Baseline Characteristic | Index-Defining Encounter Types   |  |
| 15       | J9001: Injection, Doxorubicin HCl  | HCPCS         | Pegylated Liposomal | All valid index dates during query period | 0                     | N/A                       | Any care setting | Death; Data Partner End Date; Query End Date | See Appendix D          | IP, IS, ED, AV, OA Care Settings |  |
| 16       | J9000: Injection, Doxorubicin HCl  | HCPCS         | Non-Liposomal       | All valid index dates during query period | 0                     | N/A                       | Any care setting | Death; Data Partner End Date; Query End Date | See Appendix D          | IP, IS, ED, AV, OA Care Settings |  |
| 17       | Doxil;<br>Sun Pharma Manufactured Doxorubicin;<br>Dr. Reddy's Manufactured Doxorubicin;<br>Lipodox;<br>J9002: Injection, Doxorubicin HCl;<br>Q2048: Injection, Doxorubicin HCl;<br>Q2049: Injection, Doxorubicin HCl;<br>Q2050: Injection, Doxorubicin HCl | NDC and HCPCS | Pegylated Liposomal | All valid index dates during query period | 0                     | N/A                       | Any care setting | Death; Data Partner End Date; Query End Date | See Appendix D          | IP, IS, ED, AV, OA Care Settings |  |

International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) and Healthcare Common Procedure Coding System (HCPCS) codes are provided by Optum360.

National Drug Codes (NDCs) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."