

APPENDIX G: REFERENCE MATERIALS FOR HOSPITALS

Required

International Classification of Diseases for Oncology, Third Edition (ICDO-3)
(for use starting 2001 diagnostic year)

World Health Organization, 2000

ISBN: 92 4 154534 8

Order from: WHO Publication Center USA
47 Sheridan Ave
Albany NY 12210
Phone (518) 436-9686

A copy of the soft cover manual can be obtained from the Maine Cancer Registry
Errata are available online at <http://seer.cancer.gov/registrars>

International Classification of Diseases for Oncology, Second Edition (ICDO-2)
(for use through 2000 diagnostic year)

World Health Organization, 1990

ISBN: 92 4 1544147

Order from: WHO Publication Center USA
47 Sheridan Ave
Albany NY 12210
Phone (518) 436-9686

2007 Multiple Primaries and Histology Coding Rules Manual

(for use starting 2007 diagnostic year)

SEER Program, National Cancer Institute

Can be downloaded at www.seer.cancer.gov/tools/mphrules/download.html

Collaborative Staging Manual and Coding Instructions

(for use starting 2004 diagnostic year)

Collaborative Staging Task Force of the American Joint Committee on Cancer

Published by the AJCC (Chicago) and US Dept. of Health and Human Services (Bethesda), 2003

Current version can be downloaded at www.cancerstaging.org/cstage/manuals.html

AJCC Cancer Staging Manual, Sixth Edition

(for use starting 2003 diagnostic year)

American Joint Committee on Cancer

Published by Springer-Verlag: New York, 2002

Can be purchased online at www.cancerstaging.net

or by calling 1-800-SPRINGER.

ISBN: 0-387-95271-3

(HINT: We ordered ours through Barnes and Noble)

Replacement pages are available at on the website above.

AJCC Cancer Staging Manual, Fifth Edition
(for use 1998 - 2002 diagnostic year)
American Joint Committee on Cancer
Published by Lippincott-Raven, 1997

Facility Oncology Registry Data Standards (FORDS) Revised for 2007
(for use starting 2007 diagnostic year)
American College of Surgeons Commission on Cancer
A free copy can be downloaded or a hardcopy can be ordered online at
www.facs.org/cancer/coc/standards.html#data

Facility Oncology Registry Data Standards (FORDS) Revised for 2004
(for use 2004-2006 diagnostic year)
American College of Surgeons Commission on Cancer
A free copy can be downloaded or a hardcopy can be ordered online at
www.facs.org/cancer/coc/standards.html#data
Errata/replacement pages are available on the website above.

Facility Oncology Registry Data Standards (FORDS)
(for use in 2003 diagnostic year)
American College of Surgeons Commission on Cancer
Can be downloaded or ordered online at www.facs.org/cancer/coc/standards.html#data

Standards of the Commission on Cancer
Volume II: Registry Operations and Data Standards (ROADS) Revised 1/1/98
(for use 1998-2002 diagnostic years)
American College of Surgeons Commission on Cancer
Can be downloaded online at www.facs.org/cancer/coc/standards.html#data

Standards of the Commission on Cancer
Volume II: Registry Operations and Data Standards (ROADS)
(for use 1996-1997 diagnostic years)
American College of Surgeons Commission on Cancer
Can be downloaded at <http://www.facs.org/cancer/coc/roads.html>

SEER Summary Staging Manual, 2001
(for use starting 2001 diagnostic year)
SEER Program, National Cancer Institute
Can be downloaded or ordered online at <http://seer.cancer.gov/registrars>
Errata are available on the website above.

SEER Summary Staging Guide (for use through 2000 diagnostic year)
SEER Program, National Cancer Institute
Can be downloaded or ordered online at <http://seer.cancer.gov/registrars>

Recommended (Not an all-inclusive listing)

SEER Program Coding and Staging Manual 2004, Fourth Edition
(for use starting 2004 diagnostic year)

SEER Program, National Cancer Institute

Can be downloaded or ordered online at <http://seer.cancer.gov/registrars>

Errata/replacement pages are available on the website above.

SEER Program Code Manual, Third Edition

(for use 1998 - 2003 diagnostic year)

SEER Program, National Cancer Institute

Can be downloaded or ordered online at <http://seer.cancer.gov/registrars>

[SEER*Rx - Interactive Antineoplastic Drugs Database](#)

(for use starting 2005 diagnostic year)

SEER Program, National Cancer Institute

Can be downloaded at <http://seer.cancer.gov/registrars>

Self Instruction Manual(s) for Tumor Registrars

Book 1 – Objective and Functions of a Tumor Registry

Book 2 – Cancer Characteristics and Selection of Cases

Book 3 – Tumor Registry Vocabulary: The Composition of Medical Terms

Book 4 – Human Anatomy as Related to Tumor Formation

Book 5 – Abstracting a Medical Record; Patient Identification, History and Examinations

Book 6 – out of print

Book 7 – Statistics and Epidemiology for Cancer Registrars

Book 8 – Antineoplastic Drugs

SEER Program, National Cancer Institute

Can be downloaded or ordered online at <http://seer.cancer.gov/registrars>

Abstracting and Coding Guide for Hematopoietic Diseases

(for use starting 2001 diagnostic year)

SEER Program, National Cancer

Can be ordered online at <http://seer.cancer.gov/registrars>

Errata are available at the website above

AJCC Cancer Staging Atlas

(for use starting 2003 diagnostic year)

American Joint Committee on Cancer

Published by Springer-Verlag: New York, 2002

Can be purchased online at www.cancerstaging.net

Standards for Cancer Registries, Volume II: Data Standards and Data Dictionary

North American Association of Central Cancer Registries (NAACCR)

Can be downloaded online at www.naacr.org

Cancer in North America Volume One: Incidence

North American Association of Central Cancer Registries (NAACCR)

Can be downloaded online at www.naacr.org

Cancer in North America Volume Two: Mortality

North American Association of Central Cancer Registries (NAACCR)

Can be downloaded online at www.naacr.org

Cancer Registry Management: Principles and Practices, Second Edition

Kendall Hunt Publishing Company

ISBN 0-7575-019203

To order call (800) 338-8290

Fax (800) 772-9165 or

Can be purchase online at www.kendallhunt.com

APPENDIX H: EFFECTIVE* DATES FOR REGISTRY STANDARDS

These are the official dates of implementation for various coding references:

<p>STAGING AND CODING <i>International Classification of Disease for Oncology</i></p> <p>First edition 1976 – 1991 Second edition^U 1992 – 2000 Third edition^U 2001 –</p>	<p>CANCER PROGRAM STANDARDS <i>Cancer Program Manual 1986</i> 1986 – 1990 <i>Cancer Program Manual 1991</i> 1991 – 1995 <i>Cancer Program Standards (Volume I)</i> 1996 – June 2003 <i>Revised Cancer Program Standards (Volume I)</i> January 2004 –</p>
<p>American Joint Committee on Cancer TNM Staging System</p> <p>Second edition 1983 (breast only**) – 1988 Third edition 1989 – 1992 (all sites***) Fourth edition 1993 – 1997 Fifth edition^U 1998 – 2002 Sixth edition 2003 –</p>	<p>DATA COLLECTION <i>Data Acquisition Manual (DAM)</i> 1988 – 1994 1st revision 10/89 2nd revision 10/90 Data Acquisition Manual, revised 1994 – 1995</p>
<p>SEER Extent of Disease Manual</p> <p>First edition 1988 – 1991 Second edition 1992 – 1997 Third edition^U 1998 –</p>	<p>Registry Operations and Data Standards (ROADS Manual) 1996 – 2002 2-digit surgery codes 1988 – 1997 “New” surgery codes^U 1998 – 2002</p>
<p>Summary Staging <i>Summary Staging Guide</i> 1977 – 2000 <i>SEER Summary Staging Manual 2000</i>^U 2001 –</p>	<p>Facility Oncology Registry Data Standards (FORDS Manual)^U 2003 – 2003 FORDS Revised for 2004 2004 – 2006 FORDS Revised for 2007 2007-</p>
<p>Collaborative Staging System <i>Collaborative Staging Manual And Coding Instructions</i>^U 2004 –</p>	<p>SEER Program Code Manual First edition 1988 – 1991 Second edition 1992 – 1997 Third edition^U 1998 – 2003 † Third edition revision 1 (Treatment codes only)^U 2003 – 2004 SEER Program Coding and Staging Manual (Fourth edition) 2004 – 2007 Multiple Primary and Histology Coding Rules Manual 2007 –</p> <p>SEER Self-instructional Manuals For Cancer Registrars, Book 8: Antineoplastic Agents, Third edition^U 1993 – 2004 SEER*Rx – Interactive Data Base 2005 –</p>

* Effective with cases diagnosed on or after January 1 of the initial stated year and ending with cases diagnosed on December of the closing year.

** TNM staging of breast cancer was required as of 1982, prior to the second edition

*** The Commission on Cancer urged implementation of TNM staging of all sites as of 1989 but did not require it until 1991.

† SEER permits treatment codes for cases diagnosed in 2003 to be submitted in either Third Edition or Third Edition Revision 1 format.

^U Updated pages/errata were released after publication. Contact the publishing organization’s web site for a copy.

APPENDIX I

Definitions of Single and Subsequent Primaries for Hematologic Malignancies based on ICD-O-3 reportable malignancies, effective with diagnoses 01/01/2001 and after

Cancer registrars are often faced with multiple pathology reports in patients with hematologic malignancies, and the diagnoses reported may require different morphology codes. This is due in part to the fact that more intensive diagnostic study may yield a more specific diagnosis, and in part due to the natural histories of hematopoietic diseases, which may progress from one diagnosis into another.

The following chart, provided to aid the registrar in determining single versus subsequent primaries, employs the following guidelines:

1. "Lymphoma" is a general term for hematopoietic solid malignancies of the lymphoid series. "Leukemia" is a general term for liquid malignancies of either the lymphoid or the myeloid series. While it is recognized that some malignancies occur predominantly (or even exclusively) in liquid or solid form, because so many malignancies can potentially arise as either leukemias or lymphomas (or both), all hematopoietic malignancies are assumed to have this potential.
2. Malignancies of the lymphoid series are considered to be different from those of the myeloid series. Therefore, a lymphoid malignancy arising after diagnosis of a myeloid malignancy (or myelodysplastic or myeloproliferative disorder) would be considered a subsequent primary; however, a myeloid malignancy diagnosed after a previous myeloid malignancy would not count as a subsequent primary. Histiocytic malignancies are considered different from both lymphoid and myeloid malignancies.
3. Hodgkin lymphoma is considered to be different from non-Hodgkin lymphoma (NHL). Among the NHLs, B-cell malignancies are considered different from T-cell/NK cell malignancies. Therefore, a B-cell malignancy arising later in the course of a patient previously diagnosed with a T-cell malignancy would be considered a subsequent primary; however, a T-cell malignancy diagnosed later in the same patient would not be considered a subsequent primary.
4. The sequence of diagnoses affects whether a diagnosis represents a subsequent primary. In some cases, the order of occurrence of the two diagnoses being compared is a factor in the decision whether the second diagnosis is a new primary.

We gratefully acknowledge the assistance of Drs. Charles Lynch, Charles Platz, and Fred Dick of the University of Iowa, Dr. Tim Cote of the SEER Program, Jennifer Seiffert, MLIS, CTR, and Annette Hurlbut, RHIT, CTR, for their assistance with this project.

To use the table, assign the ICD-O-3 code to the first diagnosis and find the row containing that code. Assign the ICD-O-3 code for the second diagnosis and find the column containing that code. In the cell at the intersection of the first diagnosis row and the second diagnosis column, a "**S**" symbol indicates that the two diagnoses are most likely the **same** disease process (prepare/update a single abstract), and a "**D**" indicates that they are most likely **different** disease processes (prepare more than one abstract).

Note 1: If one of the two diagnoses is an NOS (not otherwise specified) term and the other is more specific and determined to be the same disease process, code the more specific diagnosis regardless of the sequence. For example, if a diagnosis of non-Hodgkin lymphoma, NOS is followed by a diagnosis of follicular lymphoma, assign the morphology code for the follicular lymphoma.

Note 2: The table "Single versus Subsequent Primaries of Lymphatic and Hematopoietic Diseases" (pages 2-6) and the "Complete Diagnostic Terms for Table (based on ICD-O-3)" (page 7) display only the ICD-O-3 primary (boldfaced) term associated with the code. Refer to the *International Classification of Diseases, Third Edition* (ICD-O-3) for a complete list of related terms and synonyms.

SINGLE VERSUS SUBSEQUENT PRIMARIES OF LYMPHATIC AND HEMATOPOIETIC DISEASES

February 28, 2001 PAGE 1												
SECOND DX ACROSS		1. 9590 Malignant lymphoma, NOS	2. 9591 NHL, NOS	3. 9596 Composite HD/NHL	4. 9650-9667 Hodgkin lymphoma	5. 9670-9671 ML, small B lymph	6. 9673 Mantle cell lymph	7. 9675-9684 ML, diff large B-cell	8. 9687 Burkitt lymphoma	9. 9689,9699 Marg zn, B-cl lym	10. 9690-9698 Follicular lymphoma	
FIRST DX DOWN												
1. Malignant lymphoma, NOS	9590	S	S	S	S	S	S	S	S	S	S	S
2. NHL, NOS	9591	S	S	D	D	S	S	S	S	S	S	S
3. Composite HD/NHL	9596	S	S	S	S	S	S	S	S	S	S	S
4. Hodgkin lymphoma	9650-9667	S	D	D	S	D	D	D	D	D	D	D
5. ML, small B lymphocytic	9670-9671	S	S	D	D	S	D	S	D	D	D	D
6. Mantle cell lymphoma	9673	S	S	D	D	D	S	D	D	D	D	D
7. ML, diffuse, large B-cell	9675-9684	S	S	D	D	S	D	S	S	D	S	S
8. Burkitt lymphoma	9687	S	S	D	D	D	D	D	S	D	D	D
9. Marg zone, B-cell lymphoma	9689, 9699	S	S	D	D	D	D	D	D	S	D	D
10. Follicular lymphoma	9690-9698	S	S	D	D	D	D	S	D	D	S	S
11. Mycosis fung, Sezary disease	9700-9701	S	S	D	D	D	D	D	D	D	D	D
12. T/NK-cell NHL	9702-9719	S	S	D	D	D	D	D	D	D	D	D
13. Precurs lym'blas lymph NOS	9727	S	S	D	D	D	D	D	D	D	D	D
14. Precurs lym'blas lymph B-cell	9728	S	S	D	D	D	D	D	D	D	D	D
15. Precurs lym'blas lymph T-cell	9729	S	S	D	D	D	D	D	D	D	D	D
16. Plasma cell tumors	9731-9734	D	D	D	D	D	D	D	D	D	D	D
17. Mast cell tumors	9740-9742	D	D	D	D	D	D	D	D	D	D	D
18. Histiocytos/Langerhans cell	9750-9756	D	D	D	D	D	D	D	D	D	D	D
19. Dendritic cell sarcoma	9757-9758	S	S	D	D	D	D	D	D	D	D	D
20. Immunoprolif disease, NOS	9760	S	S	D	D	S	D	S	D	D	D	D
21. Waldenstrom macroglob	9761	S	S	D	D	S	D	S	D	D	D	D
22. Heavy chain disease, NOS	9762	S	S	D	D	D	D	D	D	D	D	D
23. Immun sm intest disease	9764	S	S	D	D	D	D	D	D	D	D	D
24. Leuk/Acute leuk, NOS	9800-9801	S	S	D	D	D	D	D	S	D	D	D
25. Acute biphenotypic leukem	9805	S	S	D	D	S	S	S	S	S	S	S
26. Lymphocytic leukem, NOS	9820	S	S	D	D	D	D	D	S	D	S	S
27. BCLL/SLL	9823	S	S	D	D	S	D	S	D	D	D	D
28. Burkitt cell leukemia	9826	S	S	D	D	D	D	D	S	D	D	D
29. Adult T-cell leuk/lymph	9827	S	S	D	D	D	D	D	D	D	D	D
30. Polym'cyt leuk, NOS	9832	D	D	D	D	S	D	D	D	D	D	D
31. Polym'cyt leuk, B-cell	9833	D	D	D	D	S	D	D	D	D	D	D
32. Polym'cyt leuk, T-cell	9834	D	D	D	D	D	D	D	D	D	D	D
33. Precurs lym'cyt leuk, NOS	9835	S	S	D	D	D	D	D	D	D	D	D
34. Precurs B-cell leuk	9836	S	S	D	D	D	D	D	D	D	D	D
35. Precurs T-cell leuk	9837	S	S	D	D	D	D	D	D	D	D	D
36. Myeloid leukemias	9840-9910	D	D	D	D	D	D	D	D	D	D	D
37. Therapy related AML	9920	D	D	D	D	D	D	D	D	D	D	D
38. Myeloid sarcoma	9930	D	D	D	D	D	D	D	D	D	D	D
39. Acute panmyelosis	9931	D	D	D	D	D	D	D	D	D	D	D
40. Hairy cell leukemia	9940	D	D	D	D	D	D	D	D	D	D	D
41. Chron myelomonocyt leuk	9945	D	D	D	D	D	D	D	D	D	D	D
42. Juvenile myelomonocy leuk	9946	D	D	D	D	D	D	D	D	D	D	D
43. NK-cell leukemia	9948	S	S	D	D	D	D	D	D	D	D	D
44. Polycythemia vera	9950	D	D	D	D	D	D	D	D	D	D	D
45. Chron myeloprolif disease	9960	D	D	D	D	D	D	D	D	D	D	D
46. Myelosclerosis	9961	D	D	D	D	D	D	D	D	D	D	D
47. Essen thrombocythem	9962	D	D	D	D	D	D	D	D	D	D	D
48. Chron neutrophilic leukemia	9963	D	D	D	D	D	D	D	D	D	D	D
49. Hypereosinophilic syndrome	9964	D	D	D	D	D	D	D	D	D	D	D
50. Refractory anemias	9980-9986	D	D	D	D	D	D	D	D	D	D	D
51. Therapy related MDS	9987	D	D	D	D	D	D	D	D	D	D	D
52. Myelodysplastic syndr, NOS	9989	D	D	D	D	D	D	D	D	D	D	D

Codes: S--one primary only; D--presumably a subsequent primary

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SINGLE VERSUS SUBSEQUENT PRIMARIES OF LYMPHATIC AND HEMATOPOIETIC DISEASES

February 28, 2001 PAGE 2 SECOND DX ACROSS FIRST DX DOWN		11. 9700-9701 MF, Sezary disease	12. 9702-9719 T/NK-cell lymphoma	13. 9727 Precurs lym'blas lymph NOS	14. 9728 Precurs lym'blas lymph B-c	15. 9729 Precurs lym'blas lymph T-c	16. 9731-9734 Plasma cell tumors	17. 9740-9742 Mast cell tumors	18. 9750-9756 Histiocytos; LCH	19. 9757-9758 Dendritic cell sarc	20. 9760 Immunoprolif dis
1. Malignant lymphoma, NOS	9590	S	S	S	S	S	S	S	S	S	S
2. NHL, NOS	9591	S	S	S	S	S	D	D	D	S	S
3. Composite HD/NHL	9596	S	S	S	S	S	D	D	D	D	S
4. Hodgkin lymphoma	9650-9667	D	D	D	D	D	D	D	D	D	D
5. ML, small B lymphocytic	9670-9671	D	D	D	D	D	D	D	D	D	D
6. Mantle cell lymphoma	9673	D	D	D	D	D	D	D	D	D	D
7. ML, diffuse, large B-cell	9675-9684	D	D	D	D	D	D	D	D	D	S
8. Burkitt lymphoma	9687	D	D	D	D	D	D	D	D	D	D
9. Marg zone, B-cell lymphoma	9689, 9699	D	D	D	D	D	D	D	D	D	D
10. Follicular lymphoma	9690-9698	D	D	D	D	D	D	D	D	D	D
11. Mycos fung, Sezary disease	9700-9701	S	D	D	D	D	D	D	D	D	D
12. T/NK-cell NHL	9702-9719	D	S	D	D	D	D	D	D	D	S
13. Precurs lym'blas lymph NOS	9727	D	D	S	S	S	D	D	D	D	D
14. Precurs lym'blas lymph B-cell	9728	D	D	S	S	D	D	D	D	D	D
15. Precurs lym'blas lymph T-cell	9729	D	D	S	D	S	D	D	D	D	D
16. Plasma cell tumors	9731-9734	D	D	D	D	D	S	D	D	D	D
17. Mast cell tumors	9740-9742	D	D	D	D	D	D	S	D	D	D
18. Histiocytos/Langerhans cell	9750-9756	D	D	D	D	D	D	D	S	D	D
19. Dendritic cell sarcoma	9757-9758	D	D	D	D	D	D	D	D	S	D
20. Immunoprolif disease, NOS	9760	D	D	D	D	D	S	D	D	D	S
21. Waldenstrom macroglob	9761	D	D	D	D	D	D	D	D	D	S
22. Heavy chain disease, NOS	9762	D	D	D	D	D	D	D	D	D	S
23. Immun sm intest disease	9764	D	D	D	D	D	S	D	D	D	S
24. Leuk/Acute leuk, NOS	9800-9801	D	S	S	S	S	D	D	D	D	D
25. Acute biphenotypic leukem	9805	S	S	S	S	S	D	D	D	D	D
26. Lymphocytic leukem, NOS	9820	S	S	S	S	S	D	D	D	D	S
27. BCLL/SLL	9823	D	D	D	D	D	D	D	D	D	S
28. Burkitt cell leukemia	9826	D	D	D	D	D	D	D	D	D	D
29. Adult T-cell leuk/lymph	9827	D	D	D	D	D	D	D	D	D	D
30. Prolym'cyt leuk, NOS	9832	D	D	D	D	D	D	D	D	D	D
31. Prolym'cyt leuk, B-cell	9833	D	D	D	D	D	D	D	D	D	D
32. Prolym'cyt leuk, T-cell	9834	D	D	D	D	D	D	D	D	D	D
33. Precurs lym'cyt leuk, NOS	9835	D	D	S	S	S	D	D	D	D	D
34. Precurs B-cell leuk	9836	D	D	S	S	D	D	D	D	D	D
35. Precurs T-cell leuk	9837	D	D	S	D	S	D	D	D	D	D
36. Myeloid leukemias	9840-9910	D	D	D	D	D	D	D	D	D	D
37. Therapy related AML	9920	D	D	D	D	D	D	D	D	D	D
38. Myeloid sarcoma	9930	D	D	D	D	D	D	D	D	D	D
39. Acute panmyelosis	9931	D	D	D	D	D	D	D	D	D	D
40. Hairy cell leukemia	9940	D	D	D	D	D	D	D	D	D	D
41. Chron myelomonocyt leuk	9945	D	D	D	D	D	D	D	D	D	D
42. Juvenile myelomonocy leuk	9946	D	D	D	D	D	D	D	D	D	D
43. NK-cell leukemia	9948	D	S	D	D	D	D	D	D	D	D
44. Polycythemia vera	9950	D	D	D	D	D	D	D	D	D	D
45. Chron myeloprolif disease	9960	D	D	D	D	D	D	D	D	D	D
46. Myelosclerosis	9961	D	D	D	D	D	D	D	D	D	D
47. Essen thrombocythem	9962	D	D	D	D	D	D	D	D	D	D
48. Chron neutrophilic leukemia	9963	D	D	D	D	D	D	D	D	D	D
49. Hypereosinophilic syndrome	9964	D	D	D	D	D	D	D	D	D	D
50. Refractory anemias	9980-9986	D	D	D	D	D	D	D	D	D	D
51. Therapy related MDS	9987	D	D	D	D	D	D	D	D	D	D
52. Myelodysplastic syndr, NOS	9989	D	D	D	D	D	D	D	D	D	D

Codes: S--one primary only; D--presumably a subsequent primary

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SINGLE VERSUS SUBSEQUENT PRIMARIES OF LYMPHATIC AND HEMATOPOIETIC DISEASES

February 28, 2001 PAGE 3												
SECOND DX ACROSS		21. 9761 Waldenstrom	22. 9762 Heavy chain dis	23. 9764 Imm sm intest dis	24. 9800-9801 Leuk/Acu leuk NOS	25. 9805 Acute biphenotypic leuk	26. 9820 Lym'cyt leuk, NOS	27. 9823 BCLL/SLL	28. 9826 Burkitt leukemia	29. 9827 Adult T-cell leuk/lym	30. 9832 Prolym leuk, NOS	
FIRST DX DOWN												
1. Malignant lymphoma, NOS	9590	S	S	S	S	S	S	S	S	S	S	S
2. NHL, NOS	9591	S	S	S	S	S	S	S	S	S	S	D
3. Composite HD/NHL	9596	S	S	S	S	D	S	S	S	S	S	D
4. Hodgkin lymphoma	9650-9667	D	D	D	D	D	D	D	D	D	D	D
5. ML, small B lymphocytic	9670-9671	S	D	D	D	S	S	S	D	D	D	S
6. Mantle cell lymphoma	9673	D	D	D	D	S	D	D	D	D	D	D
7. ML, diffuse, large B-cell	9675-9684	S	S	S	D	S	S	S	D	D	D	S
8. Burkitt lymphoma	9687	D	D	D	S	S	S	D	S	D	D	D
9. Marg zone, B-cell lymphoma	9689, 9699	D	D	D	D	S	D	D	D	D	D	D
10. Follicular lymphoma	9690-9698	D	D	D	D	S	D	D	D	D	D	D
11. Mycos fung, Sezary disease	9700-9701	D	D	D	D	S	S	D	D	D	D	D
12. T/NK-cell NHL	9702-9719	D	D	D	D	S	S	D	D	D	D	D
13. Precurs lym'blas lymph NOS	9727	D	D	D	S	S	S	D	D	D	D	D
14. Precurs lym'blas lymph B-cell	9728	D	D	D	S	S	S	D	D	D	D	D
15. Precurs lym'blas lymph T-cell	9729	D	D	D	S	S	S	D	D	D	D	D
16. Plasma cell tumors	9731-9734	D	D	D	D	D	D	D	D	D	D	D
17. Mast cell tumors	9740-9742	D	D	D	D	D	D	D	D	D	D	D
18. Histiocytos/Langerhans cell	9750-9756	D	D	D	D	D	D	D	D	D	D	D
19. Dendritic cell sarcoma	9757-9758	D	D	D	D	D	D	D	D	D	D	D
20. Immunoprolif disease, NOS	9760	S	S	S	D	D	D	D	D	D	D	D
21. Waldenstrom macroglob	9761	S	D	D	D	D	S	S	D	D	D	D
22. Heavy chain disease, NOS	9762	D	S	S	D	D	S	S	D	D	D	D
23. Immun sm intest disease	9764	D	S	S	D	D	D	D	D	D	D	D
24. Leuk/Acute leuk, NOS	9800-9801	D	D	D	S	S	S	D	S	S	D	D
25. Acute biphenotypic leukem	9805	D	D	D	S	S	S	S	S	S	S	S
26. Lymphocytic leukem, NOS	9820	S	S	D	S	S	S	S	S	S	S	S
27. BCLL/SLL	9823	D	D	D	D	S	S	S	D	D	D	S
28. Burkitt cell leukemia	9826	D	D	D	S	S	S	D	S	D	D	D
29. Adult T-cell leuk/lymph	9827	D	D	D	D	S	S	D	D	S	D	D
30. Prolym'cyt leuk, NOS	9832	D	D	D	D	S	S	S	D	D	D	S
31. Prolym'cyt leuk, B-cell	9833	D	D	D	D	S	S	S	D	D	D	S
32. Prolym'cyt leuk, T-cell	9834	D	D	D	D	S	S	D	D	S	S	S
33. Precurs lym'cyt leuk, NOS	9835	D	D	D	S	S	S	D	D	D	D	D
34. Precurs B-cell leuk	9836	D	D	D	S	S	S	D	D	D	D	D
35. Precurs T-cell leuk	9837	D	D	D	S	S	S	D	D	D	D	D
36. Myeloid leukemias	9840-9910	D	D	D	S	S	D	D	D	D	D	D
37. Therapy related AML	9920	D	D	D	S	S	D	D	D	D	D	D
38. Myeloid sarcoma	9930	D	D	D	S	S	D	D	D	D	D	D
39. Acute panmyelosis	9931	D	D	D	S	S	D	D	D	D	D	D
40. Hairy cell leukemia	9940	D	D	D	S	S	D	D	D	D	D	D
41. Chron myelomonocyt leuk	9945	D	D	D	S	S	D	D	D	D	D	D
42. Juvenile myelomonocy leuk	9946	D	D	D	S	S	D	D	D	D	D	D
43. NK-cell leukemia	9948	D	D	D	S	S	S	D	D	D	D	D
44. Polycythemia vera	9950	D	D	D	S	D	D	D	D	D	D	D
45. Chron myeloprolif disease	9960	D	D	D	S	S	D	D	D	D	D	D
46. Myelosclerosis	9961	D	D	D	S	S	D	D	D	D	D	D
47. Essen thrombocythem	9962	D	D	D	S	D	D	D	D	D	D	D
48. Chron neutrophilic leukemia	9963	D	D	D	S	D	D	D	D	D	D	D
49. Hypereosinophilic syndrome	9964	D	D	D	S	D	D	D	D	D	D	D
50. Refractory anemias	9980-9986	D	D	D	S	S	D	D	D	D	D	D
51. Therapy related MDS	9987	D	D	D	S	S	D	D	D	D	D	D
52. Myelodysplastic syndr, NOS	9989	D	D	D	S	S	D	D	D	D	D	D

Codes: S--one primary only; D--presumably a subsequent primary

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SINGLE VERSUS SUBSEQUENT PRIMARIES OF LYMPHATIC AND HEMATOPOIETIC DISEASES

February 28, 2001 PAGE 4 SECOND DX ACROSS FIRST DX DOWN		31. 9833 Prolym leuk, B-cell	32. 9834 Prolym leuk, T-cell	33. 9835 Precurs leuk, NOS	34. 9836 Precurs leuk, B-cell	35. 9837 Precurs leuk, T-cell	36. 9840-9910 Myeloid leukemias	37. 9920 Therapy rel AML	38. 9930 Myeloid sarcoma	39. 9931 Acute panmyelosis	40. 9940 Hairy cell leukemia	41. 9945 Chr myelomono leu
1. Malignant lymphoma, NOS	9590	S	S	S	S	S	S	S	S	S	S	S
2. NHL, NOS	9591	D	D	S	S	S	D	D	D	D	D	D
3. Composite HD/NHL	9596	D	D	S	S	S	D	D	D	D	D	D
4. Hodgkin lymphoma	9650-9667	D	D	D	D	D	D	D	D	D	D	D
5. ML, small B lymphocytic	9670-9671	S	D	D	D	D	D	D	D	D	D	D
6. Mantle cell lymphoma	9673	D	D	D	D	D	D	D	D	D	D	D
7. ML, diffuse, large B-cell	9675-9684	S	D	D	D	D	D	D	D	D	D	D
8. Burkitt lymphoma	9687	D	D	D	D	D	D	D	D	D	D	D
9. Marg zone, B-cell lymphoma	9689, 9699	D	D	D	D	D	D	D	D	D	D	D
10. Follicular lymphoma	9690-9698	D	D	D	D	D	D	D	D	D	D	D
11. Mycos fung, Sezary disease	9700-9701	D	D	D	D	D	D	D	D	D	D	D
12. T/NK-cell NHL	9702-9719	D	D	D	D	D	D	D	D	D	D	D
13. Precurs lym'blas lymph NOS	9727	D	D	S	S	S	D	D	D	D	D	D
14. Precurs lym'blas lymph B-cell	9728	D	D	S	S	D	D	D	D	D	D	D
15. Precurs lym'blas lymph T-cell	9729	D	D	S	D	S	D	D	D	D	D	D
16. Plasma cell tumors	9731-9734	D	D	D	D	D	D	D	D	D	D	D
17. Mast cell tumors	9740-9742	D	D	D	D	D	D	D	D	D	D	D
18. Histiocytos/Langerhans cell	9750-9756	D	D	D	D	D	D	D	D	D	D	D
19. Dendritic cell sarcoma	9757-9758	D	D	D	D	D	D	D	D	D	D	D
20. Immunoprolif disease, NOS	9760	D	D	D	D	D	D	D	D	D	D	D
21. Waldenstrom macroglob	9761	D	D	D	D	D	D	D	D	D	D	D
22. Heavy chain disease, NOS	9762	D	D	D	D	D	D	D	D	D	D	D
23. Immun sm intest disease	9764	D	D	D	D	D	D	D	D	D	D	D
24. Leuk/Acute leuk, NOS	9800-9801	D	D	S	S	S	S	S	S	D	D	S
25. Acute biphenotypic leukem	9805	S	S	S	S	S	S	S	S	S	S	S
26. Lymphocytic leukem, NOS	9820	S	S	S	S	S	D	D	D	D	S	D
27. BCLL/SLL	9823	S	D	D	D	D	D	D	D	D	D	D
28. Burkitt cell leukemia	9826	D	D	D	D	D	D	D	D	D	D	D
29. Adult T-cell leuk/lymph	9827	D	D	D	D	D	D	D	D	D	D	D
30. Prolym'cyt leuk, NOS	9832	S	S	D	D	D	D	D	D	D	D	D
31. Prolym'cyt leuk, B-cell	9833	S	D	D	D	D	D	D	D	D	D	D
32. Prolym'cyt leuk, T-cell	9834	D	S	D	D	D	D	D	D	D	D	D
33. Precurs lym'cyt leuk, NOS	9835	D	D	S	S	S	D	D	D	D	D	D
34. Precurs B-cell leuk	9836	D	D	S	S	D	D	D	D	D	D	D
35. Precurs T-cell leuk	9837	D	D	S	D	S	D	D	D	D	D	D
36. Myeloid leukemias	9840-9910	D	D	D	D	D	S	S	S	S	D	S
37. Therapy related AML	9920	D	D	D	D	D	S	S	S	S	D	S
38. Myeloid sarcoma	9930	D	D	D	D	D	S	S	S	S	D	S
39. Acute panmyelosis	9931	D	D	D	D	D	S	S	S	S	D	S
40. Hairy cell leukemia	9940	D	D	D	D	D	D	D	D	D	S	D
41. Chron myelomonocyt leuk	9945	D	D	D	D	D	S	S	S	S	D	S
42. Juvenile myelomonocy leuk	9946	D	D	D	D	D	S	S	S	S	D	S
43. NK-cell leukemia	9948	D	D	D	D	D	D	D	D	D	D	D
44. Polycythemia vera	9950	D	D	D	D	D	D	D	D	D	D	D
45. Chron myeloprolif disease	9960	D	D	D	D	D	S	S	S	S	D	S
46. Myelosclerosis	9961	D	D	D	D	D	S	S	S	S	D	S
47. Essen thrombocythem	9962	D	D	D	D	D	S	S	S	S	D	S
48. Chron neutrophilic leukemia	9963	D	D	D	D	D	S	S	S	S	D	S
49. Hypereosinophilic syndrome	9964	D	D	D	D	D	S	S	S	S	D	S
50. Refractory anemias	9980-9986	D	D	D	D	D	S	S	S	S	D	S
51. Therapy related MDS	9987	D	D	D	D	D	S	S	S	S	D	S
52. Myelodysplastic syndr, NOS	9989	D	D	D	D	D	S	S	S	S	D	S

Codes: S--one primary only; D--presumably a subsequent primary

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SINGLE VERSUS SUBSEQUENT PRIMARIES OF LYMPHATIC AND HEMATOPOIETIC DISEASES

February 28, 2001 PAGE 5 SECOND DX ACROSS FIRST DX DOWN		42. 9946 Juv myelomono leu	43. 9948 NK-cell leukemia	44. 9950 Polycythemia vera	45. 9960 Chr myeloprolif dis	46. 9961 Myelosclerosis	47. 9962 Ess thrombocythem	48. 9963 Chr neutrophil leu	49. 9964 Hyper eosin syndr	50. 9980-9986 Refract anemias	51. 9987 Therapy rel MDS	52. 9989 Myelodys syn NOS
1. Malignant lymphoma, NOS	9590	S	S	D	D	D	D	D	D	D	D	D
2. NHL, NOS	9591	D	D	D	D	D	D	D	D	D	D	D
3. Composite HD/NHL	9596	D	D	D	D	D	D	D	D	D	D	D
4. Hodgkin lymphoma	9650-9667	D	D	D	D	D	D	D	D	D	D	D
5. ML, small B lymphocytic	9670-9671	D	D	D	D	D	D	D	D	D	D	D
6. Mantle cell lymphoma	9673	D	D	D	D	D	D	D	D	D	D	D
7. ML, diffuse, large B-cell	9675-9684	D	D	D	D	D	D	D	D	D	D	D
8. Burkitt lymphoma	9687	D	D	D	D	D	D	D	D	D	D	D
9. Marg zone, B-cell lymphoma	9689, 9699	D	D	D	D	D	D	D	D	D	D	D
10. Follicular lymphoma	9690-9698	D	D	D	D	D	D	D	D	D	D	D
11. Mycos fung, Sezary disease	9700-9701	D	D	D	D	D	D	D	D	D	D	D
12. T/NK-cell NHL	9702-9719	D	D	D	D	D	D	D	D	D	D	D
13. Precurs lym'blas lymph NOS	9727	D	D	D	D	D	D	D	D	D	D	D
14. Precurs lym'blas lymph B-cell	9728	D	D	D	D	D	D	D	D	D	D	D
15. Precurs lym'blas lymph T-cell	9729	D	D	D	D	D	D	D	D	D	D	D
16. Plasma cell tumors	9731-9734	D	D	D	D	D	D	D	D	D	D	D
17. Mast cell tumors	9740-9742	D	D	D	D	D	D	D	D	D	D	D
18. Histiocytos/Langerhans cell	9750-9756	D	D	D	D	D	D	D	D	D	D	D
19. Dendritic cell sarcoma	9757-9758	D	D	D	D	D	D	D	D	D	D	D
20. Immunoprolif disease, NOS	9760	D	D	D	D	D	D	D	D	D	D	D
21. Waldenstrom macroglob	9761	D	D	D	D	D	D	D	D	D	D	D
22. Heavy chain disease, NOS	9762	D	D	D	D	D	D	D	D	D	D	D
23. Immun sm intest disease	9764	D	D	D	D	D	D	D	D	D	D	D
24. Leuk/Acute leuk, NOS	9800-9801	S	D	D	S	S	D	S	S	D	S	S
25. Acute biphenotypic leukem	9805	S	S	D	S	S	D	D	D	S	S	S
26. Lymphocytic leukem, NOS	9820	D	S	D	D	D	D	D	D	D	D	D
27. BCLL/SLL	9823	D	D	D	D	D	D	D	D	D	D	D
28. Burkitt cell leukemia	9826	D	D	D	D	D	D	D	D	D	D	D
29. Adult T-cell leuk/lymph	9827	D	D	D	D	D	D	D	D	D	D	D
30. Polym'cyt leuk, NOS	9832	D	D	D	D	D	D	D	D	D	D	D
31. Polym'cyt leuk, B-cell	9833	D	D	D	D	D	D	D	D	D	D	D
32. Polym'cyt leuk, T-cell	9834	D	D	D	D	D	D	D	D	D	D	D
33. Precurs lym'cyt leuk, NOS	9835	D	D	D	D	D	D	D	D	D	D	D
34. Precurs B-cell leuk	9836	D	D	D	D	D	D	D	D	D	D	D
35. Precurs T-cell leuk	9837	D	D	D	D	D	D	D	D	D	D	D
36. Myeloid leukemias	9840-9910	S	D	D	S	S	S	S	S	D	S	S
37. Therapy related AML	9920	S	D	D	D	S	D	D	D	D	S	S
38. Myeloid sarcoma	9930	S	D	D	S	S	S	S	D	D	S	S
39. Acute panmyelosis	9931	S	D	D	D	S	D	D	D	D	S	S
40. Hairy cell leukemia	9940	D	D	D	D	D	D	D	D	D	D	D
41. Chron myelomonocyt leuk	9945	S	D	D	S	S	D	S	D	D	S	S
42. Juvenile myelomonocy leuk	9946	S	D	D	D	S	D	D	D	D	S	S
43. NK-cell leukemia	9948	D	S	D	D	D	D	D	D	D	D	D
44. Polycythemia vera	9950	D	D	S	S	S	D	D	D	D	D	D
45. Chron myeloprolif disease	9960	D	D	D	S	S	S	S	D	D	D	D
46. Myelosclerosis	9961	S	D	D	S	S	S	S	D	D	S	S
47. Essen thrombocythem	9962	D	D	D	S	S	S	S	D	D	D	D
48. Chron neutrophilic leukemia	9963	D	D	D	S	S	S	S	D	D	D	D
49. Hyper eosinophilic syndrome	9964	S	D	D	S	S	D	D	S	D	D	D
50. Refractory anemias	9980-9986	S	D	D	S	S	D	D	D	S	S	S
51. Therapy related MDS	9987	S	D	D	S	S	D	D	D	S	S	S
52. Myelodysplastic syndr, NOS	9989	S	D	D	S	S	D	D	D	S	S	S

Codes: S--one primary only; D--presumably a subsequent primary

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COMPLETE DIAGNOSTIC TERMS FOR TABLE (BASED ON ICD-O-3)

- 1 9590 Malignant lymphoma, NOS
- 2 9591 Malignant lymphoma, non-Hodgkin, NOS
- 3 9596 Composite Hodgkin and non-Hodgkin lymphoma
- 4 9650-9667 Hodgkin lymphoma (all subtypes)
- 5 9670-9671 Malignant lymphoma, small B lymphocytic
- 6 9673 Mantle cell lymphoma
- 7 9675-9684 Malignant lymphoma, diffuse large B-cell
- 8 9687 Burkitt lymphoma
- 9 9689, 9699 Marginal zone B-cell lymphoma
- 10 9690-9698 Follicular lymphoma
- 11 9700-9701 Mycosis fungoides and Sezary syndrome
- 12 9702-9719 T/NK-cell non-Hodgkin lymphoma
- 13 9727 Precursor cell lymphoblastic lymphoma, NOS
- 14 9728 Precursor B-cell lymphoblastic lymphoma
- 15 9729 Precursor T-cell lymphoblastic lymphoma
- 16 9731-9734 Plasma cell tumors
- 17 9740-9742 Mast cell tumors
- 18 9750-9756 Histiocytosis/Langerhans cell histiocytosis
- 19 9757-9758 Dendritic cell sarcoma
- 20 9760 Immunoproliferative disease, NOS
- 21 9761 Waldenstrom macroglobulinemia
- 22 9762 Heavy chain disease, NOS
- 23 9764 Immunoproliferative small intestinal disease
- 24 9800-9801 Leukemia, NOS/Acute leukemia, NOS
- 25 9805 Acute biphenotypic leukemia
- 26 9820 Lymphoid leukemia, NOS
- 27 9823 B-cell chronic lymphocytic leukemia/small lymphocytic lymphoma
- 28 9826 Burkitt cell leukemia
- 29 9827 Adult T-cell leukemia/lymphoma (HTLV-1 positive)
- 30 9832 Prolymphocytic leukemia, NOS
- 31 9833 Prolymphocytic leukemia, B-cell type
- 32 9834 Prolymphocytic leukemia, T-cell type
- 33 9835 Precursor cell lymphoblastic leukemia, NOS
- 34 9836 Precursor B-cell lymphoblastic leukemia
- 35 9837 Precursor T-cell lymphoblastic leukemia
- 36 9840-9910 Myeloid leukemias
- 37 9920 Therapy related acute myelogenous leukemia
- 38 9930 Myeloid sarcoma
- 39 9931 Acute panmyelosis with myelofibrosis
- 40 9940 Hairy cell leukemia
- 41 9945 Chronic myelomonocytic leukemia, NOS
- 42 9946 Juvenile myelomonocytic leukemia
- 43 9948 Aggressive NK-cell leukemia
- 44 9950 Polycythemia vera
- 45 9960 Chronic myeloproliferative disease, NOS
- 46 9961 Myelosclerosis with myeloid metaplasia
- 47 9962 Essential thrombocythemia
- 48 9963 Chronic neutrophilic leukemia
- 49 9964 Hypereosinophilic syndrome
- 50 9980-9986 Refractory anemias
- 51 9987 Therapy related myelodysplastic syndrome, NOS
- 52 9989 Myelodysplastic syndrome, NOS

Version 1.01. Codes corrected for terms in rows 7 and 9 on pages 2-5.

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