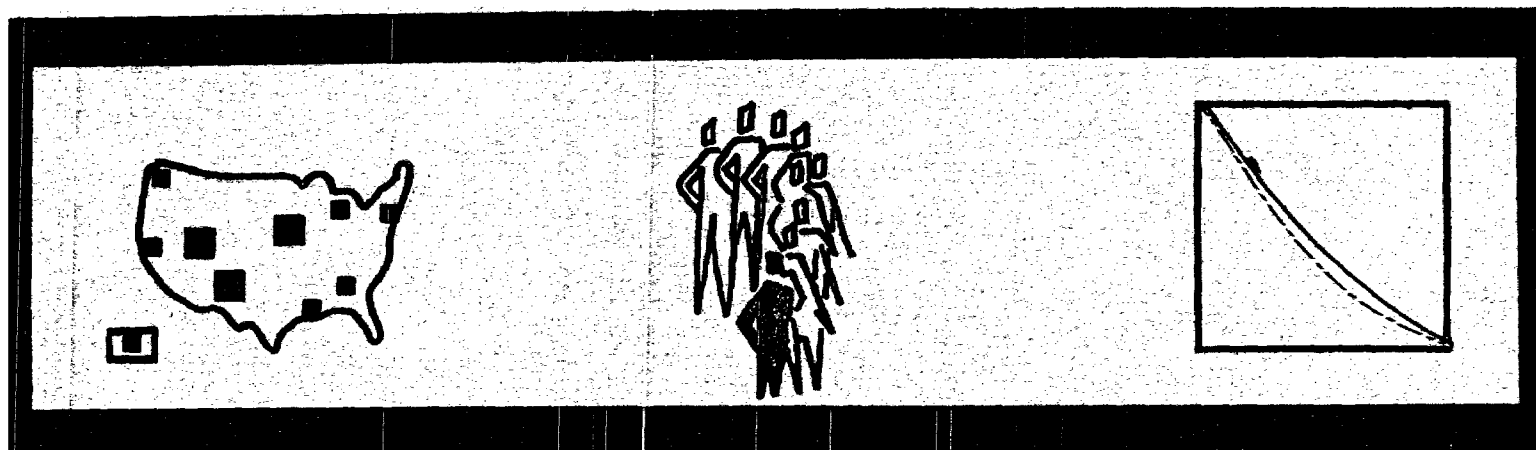


APRIL 1977

DIAGNOSTIC PROCEDURES

Cancer Surveillance Epidemiology and End Results Reporting

SEER Program



**DIAGNOSTIC PROCEDURES
CODES AND CODING INSTRUCTIONS**

For

**The Cancer Surveillance, Epidemiology And
End Results Reporting (SEER) Program**

April, 1977

**DIAGNOSTIC PROCEDURES
CODES AND CODING INSTRUCTIONS**

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General Instructions for Coding Diagnostic Procedures

In planning for the collection of information for the SEER Program, a data field called "Diagnostic Procedures" is considered one of the important new areas of investigation. It is particularly important in view of today's emphasis on multiple therapeutic modalities, extent of or stage of disease, and therapeutic trials of new treatment modalities. It also may provide useful information relating to peer review and concern over escalating medical-care costs and identification of useful laboratory tests in patient evaluation.

This field is intended to provide information concerning diagnostic procedures as well as pathological examinations that were utilized in establishing the diagnosis prior to initiating any definitive treatment. It is not attempting to define the minimal work-up of a cancer patient nor is it indicative of inadequate work-up if these procedures are not done, as many of them are still in a developmental phase or are not widely available. This four-digit field will permit independent specification of procedures used for assessment of extent of disease regardless of whether the findings were positive or negative. This, in time, will permit an evaluation of the relative reliability of extent of disease information. It is recognized that after sufficient data have been collected, it may be possible to arrive at conclusions regarding usefulness of tests.

In the Diagnostic Procedures field, Clinical (columns 35 and 36) and Manipulative and Exploratory (column 37) include procedures pertinent for specific sites, regardless of findings, if they were done prior to initiation of definitive therapy. In other words, these codes only include diagnostic procedures upon which the clinician based his initial evaluation of extent of disease and subsequent treatment.

It is assumed that a physical examination is always done. Therefore, if there is no mention of pertinent tests or procedures, code as "physical examination only" in columns 35 and 36.

Some codes include more than one procedure when the procedures are closely related, for example, mammography, thermography and xerography (column 35) for breast cancer. Some procedures may be related only because each is looking for disease outside the primary site, for example, cystoscopy and peritoneoscopy (column 37) for colon and rectum. For our purposes we do not need to know which procedure was done, but only that some evaluation of possible extension of disease outside the primary area was attempted.

Bone scan/survey in column 36 includes attempts to determine disseminated disease by looking at likely sites of bone involvement, for example, x-rays of the spine, pelvis and chest (ribs and spine).

In the Diagnostic Procedures field, pathological (column 38) should be limited to reports based on specimens obtained up to and including first surgical treatment or initiation of other definitive therapy if done within two months of diagnosis. If an excisional biopsy, D and C, cone biopsy, lymphadenectomy, TUR (prostate or bladder), or a polypectomy is followed by further definitive therapy within two months of diagnosis, include all information available through this definitive therapy in determining diagnostic procedures. For patients whose treatment was initiated more than two months after diagnosis, use two months as the cutoff point.

Cytology of the primary site is lost if there are further pathological evaluations (column 38).

For untreated patients, all procedures and reports should be included up to the time the decision was made not to treat the patient definitively. If there is no statement as to when such a decision was made, use the date of discharge from first hospitalization or two months after diagnosis as the cutoff point, whichever comes first.

Diagnostic Procedures

Cols. 35-36

Clinical

Col. 35

- 0 None of the following
- 1 Upper G.I. series
- 2 Alkaline phosphatase
- 3 (2) and (1)
- 4 CEA (carcinoembryonic antigen)
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray
- 2 Liver/spleen scan
- 3 (2) and (1)
- 4 Pyelogram (intravenous or retrograde),
barium enema, bone/brain scan or survey
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37

Manipulative and Exploratory

- 0 None
- 1 Gastroscopy, upper G.I. endoscopy and/or
photography, esophagoscopy
- 2 Colonoscopy
- 3 (2) and (1)
- 4 Exploratory laparotomy; peritoneoscopy (laparoscopy)--
with or without biopsy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

- Col. 38 Pathological (gross or microscopic)
- 0 None
 - 1 Cytology of primary site (including brushings and washings)
 - 2 Biopsy of primary site (includes biopsy done during endoscopy or exploratory surgery)
 - 3 Biopsy or resection of direct extension and/or regional node(s)
 - 4 (3) and (2)
 - 5 Resected primary site
 - 6 Resected primary site and regional node(s)
 - 7 Cytology of distant site
 - 8 Biopsy or resection of distant site and/or distant node(s)
 - 9 (7 or 8) with any of (2-4)
 - & (7 or 8) with (5 or 6)

Diagnostic Procedures

Cols. 35-36 Clinical

Col. 35

- 0 None of the following
- 1 Barium enema
- 2 Alkaline phosphatase
- 3 (2) and (1)
- 4 CEA (carcinoembryonic antigen)
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray
- 2 Urogram (intravenous or retrograde)
- 3 (2) and (1)
- 4 Liver/spleen scan
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37 Manipulative and Exploratory

- 0 None
- 1 Colonoscopy, proctosigmoidoscopy, anoscopy
- 2 Cystoscopy, peritoneoscopy
- 3 (2) and (1)
- 4 Exploratory laparotomy with or without biopsy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

- Col. 38 Pathological (gross or microscopic)
- 0 None
 - 1 Cytology of primary site (including washings)
 - 2 Biopsy of primary site (includes biopsy done during endoscopy or exploratory surgery)
 - 3 Biopsy or resection of direct extension and/or regional node(s)
 - 4 (3) and (2)
 - 5 Resected primary tumor
 - 6 Resected primary site and regional node(s)
 - 7 Cytology of distant site
 - 8 Biopsy or resection of distant site and/or distant node(s)
 - 9 (7 or 8) with any of (2-4)
 - 8 (7 or 8) with (5 or 6)

Diagnostic Procedures

Cols. 35-36

Clinical

Col. 35

- 0 None of the following
- 1 Chest x-ray
- 2 Alkaline phosphatase
- 3 (2) and (1)
- 4 Chest tomograms, planigrams
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Brain scan
- 2 Bone scan/survey
- 3 (2) and (1)
- 4 Liver/spleen scan
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37

Manipulative and Exploratory

- 0 None
- 1 Bronchoscopy
- 2 Mediastinoscopy
- 3 (2) and (1)
- 4 Exploratory thoracotomy with or without biopsy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

- Col. 38 Pathological (gross or microscopic)
- 0 None

 - 1 Cytology of primary site (including sputum, brushings,
 and washings)
 - 2 Biopsy of primary site (includes biopsy
 done during endoscopy or exploratory
 surgery)
 - 3 Biopsy or resection of direct extension and/or regional
 node(s)
 - 4 (3) and (2)

 - 5 Resected primary site
 - 6 Resected primary site and regional node(s)

 - 7 Cytology of distant site
 - 8 Biopsy or resection of distant site and/or
 distant node(s)
 - 9 (7 or 8) with any of (2-4)

 - & (7 or 8) with (5 or 6)

Diagnostic Procedures

Col. 35-36 Clinical

Col. 35

- 0 None of the following
- 1 24-hour urine analysis for pigment
- 2 Alkaline phosphatase
- 3 (2) and (1)
- 4 Chest x-ray
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Lymphangiogram
- 2 Brain scan
- 3 (2) and (1)
- 4 Liver/spleen scan
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37 Manipulative and Operative

- Not applicable for this site

Col. 38 Pathological (gross or microscopic)

- 0 None
- 1 Cytology of primary site
- 2 Biopsy of primary site
- 3 Biopsy or resection of direct extension (incl. satellite tumors) and/or regional node(s)
- 4 (3) and (2)
- 5 Resected primary site
- 6 Resected primary site and regional node(s)
- 7 Cytology of distant site
- 8 Biopsy or resection of distant site and/or distant node(s)
- 9 (7 or 8) with any of (2-4)
- 8 (7 or 8) with (5 or 6)

Diagnostic Procedures

Cols. 35-36

Clinical

Col. 35

- 0 None of the following
- 1 Mammography, thermography, xerography
- 2 Alkaline phosphatase
- 3 (2) and (1)
- 4 Serum calcium
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray
- 2 Bone scan/survey
- 3 (2) and (1)
- 4 Liver/spleen scan
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col.

37

Manipulative and Exploratory

- Not applicable for this site

Col.

38

Pathological (gross or microscopic)

- 0 None
- 1 Cytology of primary site
- 2 Biopsy of primary site (including aspiration biopsy/frozen section)
- 3 Biopsy or resection of direct extension and/or regional node(s)
- 4 (3) and (2)
- 5 Resected primary tumor
- 6 Resected primary site and regional node(s)
- 7 Cytology of distant site
- 8 Biopsy or resection of distant site and/or distant node(s)
- 9 (7 or 8) with any of (2-4)
- 8 (7 or 8) with (5 or 6)

Cols. 35-36 Clinical

Col. 35

- 0 None of the following (including examination at D. and C., bimanual examination under anesthesia, and colposcopy)
- 1 X-ray of pelvis (scout film)
- 2 Alkaline phosphatase
- 3 (2) and (1)
- 4 Pyelogram (intravenous or retrograde)
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray
- 2 Bone survey/scan, liver/spleen scan
- 3 (2) and (1)
- 4 Lymphangiogram
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37 Manipulative and Exploratory

- 0 None
- 1 Cystoscopy
- 2 Proctoscopy, sigmoidoscopy
- 3 (2) and (1)
- 4 Exploratory laparotomy; peritoneoscopy (laparoscopy, culdoscopy)-- with or without biopsy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

- Col. 38 Pathological (gross or microscopic)
- 0 None
 - 1 Cytology of primary site (Pap smear)
 - 2 Biopsy of primary site; conization
 - 3 Biopsy or resection of direct extension and/or regional node(s)
 - 4 (3) and (2)
 - 5 Resected primary site
 - 6 Resected primary site and regional node(s)
 - 7 Cytology of distant site
 - 8 Biopsy or resection of distant site and/or distant node(s)
 - 9 (7 or 8) with any of (2-4)
 - 8 (7 or 8) with (5 or 6)

Note: Removal of tube(s) and/or ovarie(s) is not a diagnostic procedure. Code to appropriate surgery code in Field 22, First Course of Cancer-Directed Therapy.

Diagnostic Procedures

Cols. 35-36

Clinical

Col. 35

- 0 None of the following (including examination at D. and C., bimanual examination under anesthesia)
- 1 Uterine sound
- 2 X-ray of pelvis, *ultrasound*
- 3 (2) and (1)
- 4 Pyelogram (intravenous or retrograde)
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray
- 2 Bone survey/scan, liver/spleen scan
- 3 (2) and (1)
- 4 Lymphangiogram
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37

Manipulative and Exploratory

- 0 None
- 1 Cystoscopy
- 2 Proctoscopy, sigmoidoscopy
- 3 (2) and (1)
- 4 Exploratory laparotomy; peritoneoscopy (laparoscopy and culdoscopy)-- with or without biopsy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

- Col. 38 Pathological (gross or microscopic)
- 0 None
 - 1 Cytology of primary site (Pap smear)
 - 2 Biopsy of primary site ; D. and C.
 - 3 Biopsy or resection of direct extension and/or regional node(s)
 - 4 (3) and (2)
 - 5 Resected primary site
 - 6 Resected primary site and regional node(s)
 - 7 Cytology of distant site
 - 8 Biopsy or resection of distant site and/or distant node(s)
 - 9 (7 or 8) with any of (2-4)
 - 8 (7 or 8) with (5 or 6)

Note: Removal of tube(s) and/or ovarie(s) is not a diagnostic procedure. Code to appropriate surgery code in Field 22, First Course of Cancer-Directed Therapy.

Diagnostic Procedures

Cols. 35-36 Clinical

Col. 35

- 0 None of the following
- 1 Pyelogram (intravenous or retrograde)
- 2 Serum acid phosphatase
- 3 (2) and (1)
- 4 Marrow acid phosphatase
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray
- 2 Bone scan/survey
- 3 (2) and (1)
- 4 Lymphangiogram
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37 Manipulative and Exploratory

- 0 None
- 1 Cystoscopy*
- 2 Proctoscopy; sigmoidoscopy
- 3 (2) and (1)
- 4 Exploratory laparotomy; peritoneoscopy
(laparoscopy)--with or without biopsy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

*If TUR done, assume cystoscopy done.

- Col. 38 Pathological (gross or microscopic)
- 0 None
 - 1 Cytology of primary site (including urinary sediment and/or prostatic fluid after massage)
 - 2 Biopsy of primary site and/or TUR*
 - 3 Biopsy or resection of direct extension and/or regional node
 - 4 (3) and (2)
 - 5 Prostatectomy (excluding TUR)
 - 6 Prostatectomy (excluding TUR) and regional node(s)
 - 7 Cytology of distant site
 - 8 Biopsy or resection of distant site and/or distant node(s)
 - 9 (7 or 8) with any of (2-4)
 - 8 (7 or 8) with (5 or 6)

*TUR is to be coded as treatment in Field 22, First Course of Cancer-Directed Therapy.

Note: Orchiectomy is not a diagnostic procedure. Code to appropriate surgery code in Field 22, First Course of Cancer-Directed Therapy.

Diagnostic Procedures

Cols. 35-36 Clinical

Col. 35

- 0 None of the following
- 1 Pyelogram (intravenous or retrograde)
- 2 Alkaline phosphatase and/or BUN
- 3 (2) and (1)

- 4 Cystogram
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray
- 2 Lymphangiogram
- 3 (2) and (1)

- 4 Scans: Liver/spleen and/or bone
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37 Manipulative and Operative

- 0 None
- 1 Cystoscopy*
- 2 Bimanual exam under anesthesia
- 3 (2) and (1)

- 4 Exploratory laparotomy; peritoneoscopy (laparoscopy)--
 with or without biopsy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

*If TUR done, assume cystoscopy done.

- Col. 38 Pathological (gross or microscopic)
- 0 None
 - 1 Cytology of primary site
 - 2 Biopsy of primary site and/or TUR*
 - 3 Biopsy or resection of direct extension and/or regional node(s)
 - 4 (3) and (2)
 - 5 Resected primary site
 - 6 Resected primary site and regional node(s)
 - 7 Cytology of distant site
 - 8 Biopsy or resection of distant site and/or distant node(s)
 - 9 (7 or 8) with any of (2-4)
 - 4 (7 or 8) with (5 or 6)

*TUR is to be coded as treatment in Field 22, First Course of Cancer-Directed Therapy.

LYMPH NODES AND LYMPHOID TISSUE April, 1977
(Including Waldeyer's ring, thymus, and
and spleen) 960-969, 416, 460, 471,
491, 640, 692
Histology*: 959 thru 969, 975

Diagnostic Procedures

Col. 35-36 Clinical

Col. 35

- 0 None of the following
- 1 Lymphangiogram; galium scan (lymph nodes)
- 2 Pyelogram (intravenous or retrograde)
- 3 (2) and (1)
- 4 GI x-rays
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 36

- 0 None of the following
- 1 Chest x-ray/tomogram
- 2 Bone scan/survey
- 3 (2) and (1)
- 4 Liver/spleen scan
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

Col. 37 Manipulative and Exploratory

- 0 None
- 1 Laparoscopy
- 2 Exploratory laparotomy with or without splenectomy
- 3 (2) and (1)
- 4 Thoracotomy; mediastinotomy
- 5 (4) and (1)
- 6 (4) and (2)
- 7 (4) and (3)

*Includes lymphoma (nodular, diffuse, and follicular), reticulosarcomas, and Hodgkin's disease

LYMPH NODES AND LYMPHOID TISSUE April, 197
(Including Waldeyer's ring, thymus, and
and spleen) 960-969, 416, 460, 471,
491, 640, 692
Histology*: 959 thru 969, 975

Col. 38

Pathological (gross or microscopic)

- 0 Single nodal site biopsy and/or resection
- 1 Multiple nodal site biopsies and/or resections
- 2 Splenectomy with or without nodal site biopsies
and/or resections
- 3 Bone marrow examination (aspiration and/or
biopsy)
- 4 (3) and (1)
- 5 (3) and (2)
- 6 Liver biopsy
- 7 (6) and (1)
- 8 (6) and (2)
- 9 (6) and (3)
- & (6) and (4)
- (6) and (5)

*Includes lymphoma (nodular, diffuse, and follicular), reticulosarcomas,
and Hodgkin's disease