

CODING MANUAL
FRAMINGHAM HEART STUDY
FILE LCA1_01.SSD01
RECORDS = 815
CREATED APRIL 23, 2007
DATA COLLECTED THROUGH JUNE 5, 2006

NOTE: All diagnosis dates were truncated to date of exam7, for person, who did not attend exam7, median date of exam7 cycle was used as truncation date.

NOTE: All known cancer cases were validated using medical records (pathology reports). Occasionally a pathology report was unavailable. In these cases, other confirming evidence was used (see DIAG_TYP variable).

This data set contains only primary cancers (ICD-O behavior codes of 2 or 3). It does not include metastatic cancers (ICD-O behavior code of 6). Multiple primaries at the same site (topology) and of the same cell type in one individual were counted separately unless the pathology report specified the case as recurrent. Recurrent basal cell and squamous cell skin cancers are not included; only first occurrence is included in this data set.

RANDOMID Random ID

DIAG_TYP Method of diagnosis. Represents the basis of diagnosis.
1 = microscopically confirmed
2 = clinically diagnosed
3 = death certificate only

DIAGTIME Number of days between Exam 1 date and D_DATE, D_DATE is defined below.

D_DATE Diagnosis date of tumor or cancer.
Date was taken from pathology reports if available.
Date was taken from other records if pathology report was not available or if diagnosis was made before the biopsy.

If month and year was available, but not day, the 15th was used as the day, and the variable EXACT=1.
If only the year was available, JULY 4 was used as the month and day, and the variable EXACT=1.
*VARIABLE DELETED TO PRESERVE CONFIDENTIALITY

EXACT Diagnosis date qualifier. Indicates the quality of D_DATE.
0 = Month, day and year of diagnosis date taken from pathology report or other test report.
1 = Estimated diagnosis date as described above.

ICD Indications edition number of International Classification of Disease for Oncology.
1 = Cases from FHS cancer update data set cancer99.
This update uses code book ICD-O-1, 1976 for TOPO, LOCATION, HIST, BEHAVIOR, GRADE with the exception of a few codes for HIST for some types of Leukemia, etc. which did not appear in ICD-O-1, 1976. For those cases ICD-O-2, 1991

codes were used.

2 = Cases reviewed after Nov 1999.

This update used the code books ICD-O-2,1991 and ICD-O-3, 2001.

TOPO

Topography. Describes site.

Corresponds to first three digits of Topography code

WHO ICD-O-3, 2001.

- 140 = lip
- 141 = tongue
- 142 = major salivary gland
- 143 = gum
- 144 = floor of mouth
- 145 = other and unspecified parts of mouth
- 146 = oropharynx
- 147 = nasopharynx
- 148 = hypopharynx
- 149 = pharynx and ill-defined sites in lip,
oral cavity and pharynx
- 150 = esophagus
- 151 = stomach
- 152 = small intestine
- 153 = colon
- 154 = rectum, rectosigmoid junction,
anal canal and anus, not otherwise specified
- 155 = liver and intrahepatic bile ducts
- 156 = gallbladder and extrahepatic bile ducts
- 157 = pancreas
- 158 = retroperitoneum and peritoneum
- 159 = other and ill-defined sites within
digestive organs and peritoneum
- 160 = nasal cavities, accessory sinuses,
middle ear and inner ear
- 161 = larynx
- 162 = trachea bronchus, and lung
- 163 = pleura
- 164 = thymus, heart and mediastinum
- 165 = other and ill-defined sites within respiratory system
and intrathoracic organs
- 169 = hematopoietic and reticuloendothelial systems
- 170 = bones, joints and articular cartilage
- 171 = connective, subcutaneous and other soft tissues
- 174 = female breast (excludes skin of breast)
- 175 = male breast (excludes skin of breast)
- 179 = uterus, not otherwise specified
- 180 = cervix uteri
- 181 = placenta
- 182 = corpus uteri or endometrium
- 183 = ovary, fallopian tube and broad ligament
- 184 = other and unspecified female genital organs
- 185 = prostate gland
- 186 = testis
- 187 = penis and other male genital organs
- 188 = urinary bladder
- 189 = kidney and other urinary organs
- 190 = eye and lacrimal gland
- 191 = brain

192 = other and unspecified parts of the nervous system
(excludes peripheral nerves, sympathetic and
parasympathetic nerves and ganglia)
193 = thyroid gland
194 = other endocrine glands
195 = other ill-defined sites
196 = lymph nodes
199 = unknown primary site
273 = melanotic skin cancers only

LOCATION Location. Describes subdivision of site or location.
Corresponds to fourth digit of Topography code WHO
ICD-O-3, 2001.
0 - 9

HIST Histology or morphology. Describes cell histopathology.
Corresponds to four digit Morphology code WHO ICD-O-3, 2001.
8000 - 9990

BEHAVIOR Behavior. Describes the degree of malignancy.
Corresponds to 5th Digit Behavior Code WHO ICD-O-3, 2001.
0 = benign
1 = uncertain, borderline
2 = carcinoma in situ, non-invasive
3 = malignant, primary site
6 = malignant, metastatic site
9 = malignant, uncertain whether primary or metastatic site

This set contains only cases where BEHAVIOR=2 or BEHAVIOR=3.
Metastatic site code (BEHAVIOR=6) was not used; rather the
199 topography code (unknown primary site) was used.

GRADE Grade.
Corresponds to Code for Histologic Grading and
Differentiation WHO ICD-O-3, 2001.
1 = Grade I - well-differentiated, differentiated
2 = Grade II - moderately well-differentiated,
moderately differentiated
3 = Grade III - poorly differentiated
4 = Grade IV - undifferentiated, anaplastic
9 = Grade or differentiation not determined, stated,
or applicable