

(LCA1MGH.CODING.MANUAL.HONOLULU.H20MORB)

HONOLULU HEART PROGRAM

DSN=H20MORB

SAS NAME: H20MORB

NUMBER OF RECORDS 14494

PROGRAM:.HONOLULU.H20MORB.PROGRAM.DEC03.SAS



VARIABLE    INFORMATION

3

- 0 NO STENOTIC LESION
- 1 TOTAL OCCLUSION
- 2 GREATER THAN OR EQUAL 90% STENOSIS
- 3 70-89% STENOSIS
- 4 50-69% STENOSIS
- 5 LESS THAN 50% STENOSIS
- 6 SEVERE STENOSIS (WITHOUT NUMERICAL DATA)
- 7 MODERATE STENOSIS
- 8 MILD OR MINIMAL STENOSIS
- 9 NOT DONE OR UNKNOWN (11366)

- AP            ANGINA PECTORIS    H2006A
- 0 NO CHEST PAIN
  - 1 EPISODIC SUBSTERNAL CHEST PAIN OR DISCOMFORT
  - 2 SAME TYPE OF PAIN OCCURRING AT REST
  - 3 SAME TYPE OF PAIN BOTH ON EXERTION AND AT REST
  - 4 DISCHARGE DIAGNOSIS OR DOCUMENTED HISTORY OF ANGINA WITH USE OF NITRATES
  - 8 CHEST PAIN SUGGESTIVE OF POSSIBLE ANGINA
  - 9 NO CLINICAL INFORMATION ON CHEST PAIN AVAILABLE (948)

- APMO        AP MONTH    H2006B
- SET TO DOT (.) TO PROTECT CONFIDENTIALITY

- APYR        AP YEAR    H2006B
- SET TO DOT (.) TO PROTECT CONFIDENTIALITY

- ASSOC       ASSOCIATED CONDITION    H2017
- 0 NO ASSOCIATED CONDITION PRESENT
  - 1 SEVERE BLEEDING USUALLY FROM G-I ORGANS
  - 2 MAJOR SURGERY
  - 3 MALIGNANCY
  - 4 PRECIPITATING CONDITIONS
  - 5 MIMIC
  - 6 TRAUMA
  - 7 SURGERY - BRAIN
  - 8 COMBINATION
  - 9 UNKNOWN (48)

- BR\_SC       BRAIN SCAN/CEREBRAL BLOOD, FLOW    H2020

VARIABLE    INFORMATION

0 NOT DONE  
1 SDX: SCAN CONFIRMS CVA DIAGNOSIS  
2 FDX: BLOOD FLOW CONFIRMS CVA DIAGNOSIS  
3 SFDX: BOTH CONFIRM CVA DIAGNOSIS  
4 S/O: SCAN SHOW OTHER ABNORMALITY  
5 F/O: FLOW SHOWS OTHER ABNORMALITY  
6 S&F/O: BOTH SHOW OTHER ABNORMALITY  
7 ASSOC: ASSOCIATED CONDITION PRESENT  
8 WNL: NORMAL TESTS  
9 UNKNOWN (3741)

BYPASS    AORTO-CORONARY BYPASS GRAFTS    H2027  
0 NOT DONE  
1 ONE GRAFT  
2 TWO GRAFTS  
3 THREE GRAFTS  
4 FOUR GRAFTS  
5 FIVE GRAFTS  
6 SIX OR MORE GRAFTS  
9 UNKNOWN (4)

CARD\_SC    CARDIAC SCAN    H2022  
0 NEGATIVE  
1 POSITIVE  
2 DOUBTFUL  
9 NOT DONE OR UNKNOWN (12233)

CHGMO    MONTH OF LAST CHANGE  
SET TO DOT (.) TO PROTECT CONFIDENTIALITY

CHGYR    YEAR OF LAST CHANGE  
SET TO DOT (.) TO PROTECT CONFIDENTIALITY

CI    ACUTE CORONARY INSUFFICIENCY (CI)    H2005A  
0 NO CI  
1 DEFINITE CI  
2 POSSIBLE CI  
8 DOUBTFUL CI  
9 NO INFORMATION AVAILABLE (15)

CIMO    CI MONTH    H2005B  
SET TO DOT (.) TO PROTECT CONFIDENTIALITY

CIYR    CI YEAR    H2005B

VARIABLE    INFORMATION

SET TO DOT (.) TO PROTECT CONFIDENTIALITY

CVA	CVA H2007 0 NOT APPLICABLE 1 DEFINITE CVA 2 PROBABLE CVA 3 POSSIBLE CVA 4 DOUBTFUL CVA 5 DEFINITE CVA/NON-STUDY CRITERIA 6 PROBABLE CVA/NON-STUDY CRITERIA 7 POSSIBLE CVA/NON-STUDY CRITERIA 8 DOUBTFUL CVA/NON-STUDY CRITERIA 9 UNKNOWN (10)
CVAMO	CVA MONTH H2015 SET TO DOT (.) TO PROTECT CONFIDENTIALITY
CVAYR	CVA YEAR H2015 SET TO DOT (.) TO PROTECT CONFIDENTIALITY
CV_ANGIO	CV ANGIOGRAPHY: INVASIVE/NONINVASIVE H2019 INCLUDES ANGIOGRAPHY, MRA AND DUPLEX STUDIES 0 NORMAL 1 TOTAL OCCLUSION (96-100%) 2 PARTIAL OCCLUSION (STENOSIS UP TO 95%) 3 ANEURYSM 4 A-V MALFORMATION 5 INFARCTION 6 INTRACEREBRAL HEMATOMA 7 NONSPECIFIC ABNORMALITY (ALL SUBDURALS, DUPLEX WITH IRREGULARITY) 8 COMBINATION 9 NOT DONE OR RESULTS UNKNOWN (11802)
E	EMBOLIC CVA H2009B 0 NOT APPLICABLE

VARIABLE    INFORMATION

- 1 DEFINITE EMBOLISM
- 2 PROBABLE EMBOLISM
- 3 POSSIBLE EMBOLISM
- 4 DOUBTFUL EMBOLISM
- 5 DEFINITE EMBOLISM/NON-STUDY CRITERIA
- 6 PROBABLE EMBOLISM/NON-STUDY CRITERIA
- 7 POSSIBLE EMBOLISM/NON-STUDY CRITERIA
- 8 DOUBTFUL EMBOLISM/NON-STUDY CRITERIA
- 9 UNKNOWN (310)

ECHOCARD ECHOCARDIOGRAPHY H2030

- 0 NORMAL
- 1 WALL MOTION ABNORMALITY
- 2 DOUBTFUL FOR ISCHEMIC MYOCARDIAL DISEASE
- 8 OTHER ABNORMALITIES
- 9 NOT DONE OR UNKNOWN (11603)

FLAG

- 0 OK
- 1 ERROR
- 2 CHANGED
- NO UNKNOWNNS

HEM

- INTRACRANIAL HEMORRHAGE H2008
- 0 NOT APPLICABLE
  - 1 DEFINITE INTRACRANIAL HEMORRHAGE
  - 2 PROBABLE INTRACRANIAL HEMORRHAGE
  - 3 POSSIBLE INTRACRANIAL HEMORRHAGE
  - 4 DOUBTFUL INTRACRANIAL HEMORRHAGE
  - 5 DEFINITE INTRACRANIAL HEMORRHAGE/NON-STUDY CRITERIA
  - 6 PROBABLE INTRACRANIAL HEMORRHAGE/NON-STUDY CRITERIA
  - 7 POSSIBLE INTRACRANIAL HEMORRHAGE/NON-STUDY CRITERIA
  - 8 DOUBTFUL INTRACRANIAL HEMORRHAGE/NON-STUDY CRITERIA
  - 9 UNKNOWN INTRACRANIAL HEMORRHAGE (475)

HOSP

- HOSPITAL H2002
- 0-99
  - NO UNKNOWNNS

HOSPDY

- HOSPITALIZATION DAY
- SET TO DOT (.) TO PROTECT CONFIDENTIALITY

HOSPMO

- HOSPITALIZATION MONTH
- SET TO DOT (.) TO PROTECT CONFIDENTIALITY

VARIABLE    INFORMATION

HOSPYR    HOSPITALIZATION YEAR  
SET TO DOT (.) TO PROTECT CONFIDENTIALITY

IC            INTRACEREBRAL HEMORRHAGE    H2008A  
0 NOT APPLICABLE  
1 DEFINITE INTRACEREBRAL HEMORRHAGE  
2 PROBABLE INTRACEREBRAL HEMORRHAGE  
3 POSSIBLE INTRACEREBRAL HEMORRHAGE  
4 DOUBTFUL INTRACEREBRAL HEMORRHAGE  
5 DEFINITE INTRACEREBRAL HEMORRHAGE/NON-STUDY CRITERIA  
6 PROBABLE INTRACEREBRAL HEMORRHAGE/NON-STUDY CRITERIA  
7 POSSIBLE INTRACEREBRAL HEMORRHAGE/NON-STUDY CRITERIA  
8 DOUBTFUL INTRACEREBRAL HEMORRHAGE/NON-STUDY CRITERIA  
9 UNKNOWN INTRACEREBRAL HEMORRHAGE (478)

LP            LUMBAR PUNCTURE    H2011  
0 NOT APPLICABLE  
1 NORMAL LP  
2 ABNORMAL ATRAUMATIC LP  
  (WITH INCREASED OPENING PRESSURE OF OVER 200MM)  
3 ABNORMAL ATRAUMATIC LP (WITH NORMAL OPENING PRESSURE)  
4 QUESTIONABLE TRAUMATIC LP  
  (WITH INCREASED OPENING PRESSURE OVER 200 MM)  
5 QUESTIONABLE TRAUMATIC LP  
  (WITH NORMAL OPENING PRESSURE)  
6 TRAUMATIC LP  
  (WITH INCREASED OPENING PRESSURE OVER 200 MM)  
7 TRAUMATIC LP (WITH NORMAL OPENING PRESSURE)  
8 BLANK  
9 UNKNOWN (40)

LP\_OTH    LUMBAR PUNCTURE - OTHER ABNORMALITIES    H2013  
0 NOT APPLICABLE  
1 P+W+E(1) (PROTEIN, WBC AND ENZYMES ALL ABNORMAL)  
2 P+W(1) (PROTEIN, WBC ALL ABNORMAL)

VARIABLE    INFORMATION

- 3 P+E(1) (PROTEIN AND ENZYMES ALL ABNORMAL)
- 4 W+E(1) (WBC AND ENZYMES ALL ABNORMAL)
- 5 P        (PROTEIN ABNORMAL - OVER 45)
- 6 W        (WBC ABNORMAL)
- 7 E(1)    (ENZYMES ABNORMAL)
- 8 NORMAL
- 9 UNKNOWN (44)

- LVENT    LEFT VENTRICULOGRAPHY    H2025
- 0 NORMAL
  - 1 ANEURYSM
  - 2 SEGMENTAL AKINESIS
  - 3 SEGMENTAL HYPOKINESIS
  - 4 RESTING AND DIASTOLIC PRESSURE > 15 MMHG
  - 5 EJECTION FRACTION < 0.50
  - 6 1, 2, OR 3 PLUS 4 OR 5
  - 8 OTHER ABNORMAL OR DOUBTFUL FINDINGS
  - 9 NOT DONE OR UNKNOWN (11488)

- MIECG    MI BY ECG    H2004A
- 0 NO EVIDENCE OF MI
  - 1 DEFINITE ACUTE MI
  - 3 DEFINITE OLD (OR AGE UNDETERMINED) MI
  - 4 DOUBTFUL ACUTE MI
  - 5 ECG TEMPORAL CHANGES
  - 6 INDETERMINABLE
  - 8 PRESENCE OF DOUBTFUL OR POSSIBLE OLD MI
  - 9 ECG NOT DONE (2843)

- MIENZ    MI BY ENZYMES    H2004B'
- 0 ALL ENZYMES WITHIN THE UPPER LIMIT OF NORMAL
  - 1 THE PEAK LEVEL OF ANY ANZYME (ESPECIALLY CPK) IS  $\geq$  2X NORMAL
  - 2 THE PEAK LEVEL OF ENZYMES (ESPECIALLY CPK) EXCEEDS THE UPPER NORMAL LIMIT, BUT NOT MORE THAN 2X NORMAL
  - 8 THE ELEVATION OF ENZYMES EXCEEDING THE UPPER NORMAL LIMIT
  - 9 ENZYMES WERE NOT MEASURED OR UNKNOWN (4602)

- MILOC    MI LOCATION    H2004C
- 0 NO ABNORMAL Q-WAVE IN ANY LEAD
  - 2 THE PRESENCE OF ABNORMAL Q/QS IN EXTENSIVE ANTERIOR OR ANTEROLATERAL LEADS
  - 3 ABNORMAL Q/QS IN ANTERO-SEPTAL LEADS







VARIABLE    INFORMATION

0 NOT APPLICABLE (NOT RIND OR TIA EVENT, NON-CEREBROVASCULAR EVENT)

- 1 DEFINITE RIND
- 2 PROBABLE RIND
- 3 POSSIBLE RIND
- 4 DOUBTFUL RIND
- 5 PROBABLE TIA
- 6 POSSIBLE TIA
- 7 DOUBTFUL TIA
- 8 UNDETERMINED
- 9 UNKNOWN (28)

SA            SUBARACHNOID HEMORRHAGE    H2008B

- 0 NOT APPLICABLE
- 1 DEFINITE SUBARACHNOID HEMORRHAGE
- 2 PROBABLE SUBARACHNOID HEMORRHAGE
- 3 POSSIBLE SUBARACHNOID HEMORRHAGE
- 4 DOUBTFUL SUBARACHNOID HEMORRHAGE
- 5 DEFINITE SUBARACHNOID HEMORRHAGE/NON-STUDY CRITERIA
- 6 PROBABLE SUBARACHNOID HEMORRHAGE/NON-STUDY CRITERIA
- 7 POSSIBLE SUBARACHNOID HEMORRHAGE/NON-STUDY CRITERIA
- 8 DOUBTFUL SUBARACHNOID HEMORRHAGE/NON-STUDY CRITERIA
- 9 UNKNOWN (476)

SDNDUR    SUDDEN DEATH DURATION - IN HOURS    H2018A

- 0 NEGATIVE
- 1 LESS THAN 1
- 2 2-3
- 3 LESS THAN 3
- 4 3-6
- 5 LESS THEN 6
- 6 6-24
- 7 LESS THEN 24
- 8 GREATER THAN 24
- 9 UNKNOWN (10)

SD\_UW    SUDDEN DEATH UNWITNESSED DEATH - IN HOURS    H2018B

- 0 NEGATIVE
- 1 LESS THAN 1
- 2 2-3
- 3 LESS THAN 3
- 4 3-6
- 5 LESS THEN 6

VARIABLE    INFORMATION

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- 6 6-24
- 7 LESS THEN 24
- 8 GREATER THAN 24
- 9 UNKNOWN (10)

STATUS    STATUS AT DISCHARGE    H2016

- 0 ALIVE
- 1 EXPIRED OR DEAD ON DISCHARGE
- 2 ALIVE WITH DIAGNOSIS OF CHD DUE TO ASSOCIATED CONDITION
- 3 ALIVE WITH DIAGNOSIS OF CVA DUE TO ASSOCIATED CONDITION
- 4 ALIVE WITH DIAGNOSIS OF CHD + CVA DUE TO ASSOCIATED CONDITION
- 5 EXPIRED WITH DIAGNOSIS OF CHD DUE TO ASSOCIATED CONDITION
- 6 EXPIRED WITH DIAGNOSIS OF CVA DUE TO ASSOCIATED CONDITION
- 7 EXPIRED WITH DIAGNOSIS OF CHD + CVA DUE TO ASSOCIATED CONDITION
- 8 ALIVE WITH DIAGNOSIS OF CHD AND/OR CVA AND EXISTENCE OF ASSOCIATED CONDITION IS SUSPECTED BUT UNCONFIRMED
- 9 EXPIRED WITH DIAGNOSIS OF CHD AND/OR CVA AND EXISTENCE OF ASSOCIATED CONDITION IS SUSPECTED BUT UNCONFIRMED

SURGMO    SURGERY MONTH    H2029  
SET TO DOT (.) TO PROTECT CONFIDENTIALITY

SURGYR    SURGERY YEAR    H2029  
SET TO DOT (.) TO PROTECT CONFIDENTIALITY

T            THROMBOTIC CVA H2009A

- 0 NOT APPLICABLE
- 1 DEFINITE THROMBOSIS
- 2 PROBABLE THROMBOSIS
- 3 POSSIBLE THROMBOSIS
- 4 DOUBTFUL THROMBOSIS
- 5 DEFINITE THROMBOSIS/NON-STUDY CRITERIA
- 6 PROBABLE THROMBOSIS/NON-STUDY CRITERIA

VARIABLE    INFORMATION

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7 POSSIBLE THROMBOSIS/NON-STUDY CRITERIA  
8 DOUBTFUL THROMBOSIS/NON-STUDY CRITERIA  
9 UNKNOWN (171)

TE            THROMBO-EMBOLIC CVA   H2009  
0 NOT APPLICABLE  
1 DEFINITE THROMBO-EMBOLIC CVA  
2 PROBABLE THROMBO-EMBOLIC CVA  
3 POSSIBLE THROMBO-EMBOLIC CVA  
4 DOUBTFUL THROMBO-EMBOLIC CVA  
5 DEFINITE THROMBO-EMBOLIC CVA/NON-STUDY CRITERIA  
6 PROBABLE THROMBO-EMBOLIC CVA/NON-STUDY CRITERIA  
7 POSSIBLE THROMBO-EMBOLIC CVA/NON-STUDY CRITERIA  
8 DOUBTFUL THROMBO-EMBOLIC CVA/NON-STUDY CRITERIA  
9 UNKNOWN (159)

TRD\_MILL    TREADMILL TEST H2023  
0 NEGATIVE  
1 POSITIVE (ST ! >= 1 MM, OR CHEST PAIN DEVELOPED)  
2 DOUBTFUL  
9 NOT DONE OR UNKNOWN (11858)

IDAYSAP    INTERVAL IN DAYS BETWEEN EXAM1 AND AP DATE            \*  
- 4572 - 11611  
. UNKNOWN (13402)  
\*DURING IDAYSAP COMPUTATION, DAY WAS SET TO 1

IDAYSCI    INTERVAL IN DAYS BETWEEN EXAM1 AND CI DATE            \*  
- 7052 - 11871  
. UNKNOWN (113525)  
\*DURING IDAYSCI COMPUTATION, DAY WAS SET TO 1

IDAYSCVA    INTERVAL IN DAYS BETWEEN EXAM1 AND CVA DATE            \*  
- 6950 - 11885  
. UNKNOWN (11638)  
\*DURING IDAYSCVA COMPUTATION, DAY WAS SET TO 1

IDAYSHOS    INTERVAL IN DAYS BETWEEN EXAM1 AND HOSPITAL DATE  
- 7050 - 12095  
. UNKNOWN (101)

VARIABLE    INFORMATION

IDAYSMI    INTERVAL IN DAYS BETWEEN EXAM1 AND MI DATE    \*  
             - 6496 - 12051  
             . UNKNOWN (11752)  
             \*DURING IDAYSMI COMPUTATION, DAY WAS SET TO 1

IDAYSURG    INTERVAL IN DAYS BETWEEN EXAM1 AND SURGERY DATE    \*  
             1094 - 11870  
             . UNKNOWN (13540)  
             \*DURING IDAYSURG COMPUTATION, DAY WAS SET TO 1