ARIC Surveillance Variable Dictionary – Incident Stroke
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1. Classification Variable

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</tr>
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2. Event Time/Type & Eligibility Variable

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</tr>
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3. Incidence Stroke Variable

3.1 Incident Event

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
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</tr>
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<tbody>
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<td>CENSORYY</td>
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<tr>
<td>INYYDP</td>
<td>Definite/Probable Incident Stroke</td>
<td>10</td>
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<td>INYYDPP</td>
<td>Definite/Probable/Possible Incident Stroke</td>
<td>11</td>
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<td>INYYISC</td>
<td>Def/Prob Ischemic Incident Stroke</td>
<td>12</td>
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<tr>
<td>INYYHEM</td>
<td>Def/Prob Brain Hemorrhagic Incident Stroke</td>
<td>13</td>
</tr>
<tr>
<td>INYYCHM</td>
<td>Def/Prob Brain/SAH Hemorrhagic Incident Stroke</td>
<td>14</td>
</tr>
</tbody>
</table>

3.2 End Date

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDYYDP</td>
<td>End Date for INYYDP</td>
<td>15</td>
</tr>
<tr>
<td>EDYYDPP</td>
<td>End Date for INYYDPP</td>
<td>16</td>
</tr>
<tr>
<td>EDYYISC</td>
<td>End Date for INYYISC</td>
<td>17</td>
</tr>
<tr>
<td>EDYYHEM</td>
<td>End Date for INYYHEM</td>
<td>18</td>
</tr>
<tr>
<td>EDYYCHM</td>
<td>End Date for INYYCHM</td>
<td>19</td>
</tr>
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</table>

3.3 Follow-up Time

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTYYDP</td>
<td>Follow Up Days for INYYDP</td>
<td>20</td>
</tr>
<tr>
<td>FTYYDPP</td>
<td>Follow Up Days for INYYDPP</td>
<td>21</td>
</tr>
<tr>
<td>FTYYISC</td>
<td>Follow Up Days for INYYISC</td>
<td>22</td>
</tr>
<tr>
<td>FTYYHEM</td>
<td>Follow Up Days for INYYHEM</td>
<td>23</td>
</tr>
<tr>
<td>FTYYCHM</td>
<td>Follow Up Days for INYYCHM</td>
<td>24</td>
</tr>
</tbody>
</table>

<i>"Incident" is somewhat of a misnomer because the events in these files are first occurrences since 1987 without regard to pre-1987 history.</i>

<i>Year YY will be 98 for 1998, 99 for 1999, and 0Z for 200Z.</i>
COMPDIAG

Purpose
To determine the stroke diagnosis by computer algorithm.

Values
Character

Description
COMPDIAG is the computer diagnosis for stroke events. Values A-H represent definite or probable strokes, value I represents possible strokes with undermined type, and values J-L represent no strokes. See COMP_DX for formatted version of this variable. Also see stroke classification algorithm in manual 3 for details.

Type
Stroke

Algorithm
<table>
<thead>
<tr>
<th>COMPDIAG</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Definite Subarachnoid Hemorrhage (SAH)</td>
</tr>
<tr>
<td>B</td>
<td>Definite Brain Hemorrhage (IPH)</td>
</tr>
<tr>
<td>C</td>
<td>Definite Brain Infarction, Thrombotic (TIB)</td>
</tr>
<tr>
<td>D</td>
<td>Definite Brain Infarction, Non-carotid Embolic (EIB)</td>
</tr>
<tr>
<td>E</td>
<td>Probable SAH</td>
</tr>
<tr>
<td>F</td>
<td>Probable IPH</td>
</tr>
<tr>
<td>G</td>
<td>Probable TIB</td>
</tr>
<tr>
<td>H</td>
<td>Probable EIB</td>
</tr>
<tr>
<td>I</td>
<td>Possible Stroke of Undetermined Type</td>
</tr>
<tr>
<td>J</td>
<td>If not A - I (No Stroke)</td>
</tr>
<tr>
<td>K</td>
<td>COMPDIAG =J &amp; DTH18 in 430-438 &amp; STR2=N &amp; not OHD</td>
</tr>
<tr>
<td></td>
<td>(Undocumented (no chart) Fatal Cases with Stroke Codes)</td>
</tr>
<tr>
<td>L</td>
<td>COMPDIAG =J and DTH18 in 430-438 &amp; OHD</td>
</tr>
<tr>
<td></td>
<td>(Out of Hospital Deaths with Stroke Codes)</td>
</tr>
</tbody>
</table>

Related variables
COMP_DX, DTH18 (underlying cause of death), EVENTYPE, FINAL_DX, FINALDX, STR2 (hospital chart)
COMP_DX

Purpose
To determine the formatted value of stroke diagnosis by computer algorithm.

Values
Character

Description
COMP_DX is the formatted value of COMPDIAG for stroke computer diagnosis.

Type
Stroke

Algorithm

<table>
<thead>
<tr>
<th>COMP_DX</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEF_SAH</td>
<td>if COMPDIAG = A (Definite SAH)</td>
</tr>
<tr>
<td>DEF_IPH</td>
<td>if COMPDIAG = B (Definite IPH)</td>
</tr>
<tr>
<td>DEF_TIB</td>
<td>if COMPDIAG = C (Definite TIB)</td>
</tr>
<tr>
<td>DEF_EIB</td>
<td>if COMPDIAG = D (Definite EIB)</td>
</tr>
<tr>
<td>PROB_SAH</td>
<td>if COMPDIAG = E (Probable SAH)</td>
</tr>
<tr>
<td>PROB_IPH</td>
<td>if COMPDIAG = F (Probable IPH)</td>
</tr>
<tr>
<td>PROB_TIB</td>
<td>if COMPDIAG = G (Probable TIB)</td>
</tr>
<tr>
<td>PROB_EIB</td>
<td>if COMPDIAG = H (Probable EIB)</td>
</tr>
<tr>
<td>POSS_STR</td>
<td>if COMPDIAG = I (Possible Stroke of Undetermined Type)</td>
</tr>
<tr>
<td>NO_STR</td>
<td>if COMPDIAG = J (No stroke)</td>
</tr>
<tr>
<td>UNDC_STR</td>
<td>if COMPDIAG = K (Undocumented Fatal Cases with Stroke Codes)</td>
</tr>
<tr>
<td>OHD_STR</td>
<td>if COMPDIAG = L (Out-of-Hospital Deaths with Stroke Codes)</td>
</tr>
</tbody>
</table>

Related Variables
COMPDIAG, FINAL_DX, FINALDX
**FINALDX**

**Purpose**
To determine the final stroke classification.

**Values**
Character

**Description**
FINALDX takes adjudication values if present, or reviewer’s diagnosis if agree with computer diagnosis, or computer’s diagnosis if MMCC reviews are not required. See FINAL_DX for formatted version of this variable.

**Type**
Stroke

**Remarks**
1. Since the protocol was changed from 2 reviewers to 1 reviewer, one of the reviewer’s diagnosis was randomly selected to perform the following algorithm for determining the final diagnosis.
2. Adjudication values and cases meeting exclusionary conditions are in small letters. Since FINALDX contains capital and small letter characters, it is advised that you change all characters to uppercase (UPCASE in SAS) whenever appropriate.

**Algorithm**

<table>
<thead>
<tr>
<th>FINALDX</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPDIAG</td>
<td>If MMCC reviews are not required (skipouts: OHD, no chart or no neurological symptoms/signs. COMPDIAG= J, K or L for these cases.)</td>
</tr>
<tr>
<td>SDX5</td>
<td>if adjudicated cases, or if reviewer diagnosis=computer diagnosis (SDX5 takes values of A-J)</td>
</tr>
<tr>
<td>j</td>
<td>if meets exclusionary conditions</td>
</tr>
<tr>
<td>K</td>
<td>if upcase(FINALDX)=J &amp; DTH18 in 430-438 &amp; STR2=N &amp; not OHD (Undocumented Fatal Cases with Stroke Codes)</td>
</tr>
<tr>
<td>L</td>
<td>if upcase(FINALDX)=J &amp; DTH18 in 430-438 &amp; OHD (Out of Hospital Deaths with Stroke Codes)</td>
</tr>
</tbody>
</table>

**Related Variables**
COMPDIAG, COMP_DX, DTH18 (underlying cause of death), FINAL_DX, SDX5 (reviewer’s stroke diagnosis), STR2 (hospital chart)
**FINAL_DX**

**Purpose**
To determine the formatted value of final stroke classification.

**Values**
Character

**Description**
FINAL_DX is the formatted value of the upcased FINALDX.

**Type**
Stroke

**Algorithm**

<table>
<thead>
<tr>
<th><strong>FINAL_DX</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>DEF_SAH</td>
<td>if upcase(FINALDX) = A (Definite SAH)</td>
</tr>
<tr>
<td>DEF_IPH</td>
<td>if upcase(FINALDX) = B (Definite IPH)</td>
</tr>
<tr>
<td>DEF_TIB</td>
<td>if upcase(FINALDX) = C (Definite TIB)</td>
</tr>
<tr>
<td>DEF_EIB</td>
<td>if upcase(FINALDX) = D (Definite EIB)</td>
</tr>
<tr>
<td>PROB_SAH</td>
<td>if upcase(FINALDX) = E (Probable SAH)</td>
</tr>
<tr>
<td>PROB_IPH</td>
<td>if upcase(FINALDX) = F (Probable IPH)</td>
</tr>
<tr>
<td>PROB_TIB</td>
<td>if upcase(FINALDX) = G (Probable TIB)</td>
</tr>
<tr>
<td>PROB_EIB</td>
<td>if upcase(FINALDX) = H (Probable EIB)</td>
</tr>
<tr>
<td>POSS_STR</td>
<td>if upcase(FINALDX) = I (Possible Stroke of Undetermined Type)</td>
</tr>
<tr>
<td>NO_STR</td>
<td>if upcase(FINALDX) = J (No stroke)</td>
</tr>
<tr>
<td>UNDC_STR</td>
<td>if upcase(FINALDX) = K (Undocumented Fatal Cases with Stroke Codes)</td>
</tr>
<tr>
<td>OHD_STR</td>
<td>if upcase(FINALDX) = L (Out-of-hospital Deaths with Stroke Codes)</td>
</tr>
</tbody>
</table>

**Related Variables**
COMP_DX, COMPDIAG, FINALDX, SDX3 (exclusionary conditions for diagnostic criteria)
**DISDATE**

**Purpose**  
To determine the discharge date or death date for cohort stroke event.

**Values**  
Numeric

**Description**  
DISDATE is the discharge/death date for a stroke event.

**Type**  
Stroke

**Algorithm**  
DISDATE takes one of the following non-missing discharge/death date values in the listing order: STR14, CEL4, HRA14, DTH9. If month of the discharge/death date is missing, DISDATE takes "June" as the discharge/death month. Similarly, if day of the discharge/death date is missing, DISDATE takes "15" as the discharge/death day.

**Related Variables**  
CEL4 (date of discharge/death), DTH9 (death of death), HRA14 (date of discharge/death), STR14 (date of discharge/death).
EVENTYPE

Purpose
To determine the event type classification for stroke events.

Values
'O', 'N', 'I'

Description
EVENTYPE is a character variable for event type determined by STR15 and derived variable EVTYPE01. The outcome O is for out-of-hospital death, I for in-hospital death, and N for non-fatal events.

Type
Stroke

Algorithm

<table>
<thead>
<tr>
<th>EVENTYPE</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVTYPE01</td>
<td>if EVTYPE01 is not missing</td>
</tr>
<tr>
<td></td>
<td>N if EVTYPE01 is missing, and STR15=A</td>
</tr>
<tr>
<td></td>
<td>I if EVTYPE01 is missing, and STR15=D</td>
</tr>
</tbody>
</table>

Related Variables
EVTYPE01(event type variable defined in CHD Surveillance), STR15 (discharged alive or dead)
YEAR

Purpose
To define the stroke event year.

Values
Numeric, 87-98

Description
YEAR is the admission or discharge/death year that is determined by the listing order STR12, STR14, CEL04, HRA14, DTH09.

Type
Stroke

Algorithm
YEAR is the year from the listing order: STR12, STR14, CEL04, HRA14 or DTH09, minus 1900. The resulting value of YEAR is a 2-digit number.

Related Variables
STR12 (date of admission), STR14 (date of discharge), CEL04 (date of discharge/death), HRA14 (date of discharge/death), DTH09 (date of death).
**SK_ELIG2**

**Purpose**
To determine eligibility for stroke abstractions.

**Values**
0, 1, 2, 3, 4, 5 or .C

**Description**
A cohort event is eligible for stroke investigation if 1) hospitalized events has stroke related terms in the discharge summary, or has eligible stroke ICD codes; 2) if the underlying cause of death for out-of-hospital deaths contains ICD-9 codes 430-438; 3) if transferred from/to an eligible event. Note that events prior to 1997 that have ICD-9 code 430-438 were eligible for stroke abstractions. At and after 1997, only code 430-436 was abstracted for stroke. The distributed 1987-1997 stroke files only included eligible events (SK_ELIG2=1-3).

**Type**
Stroke

**Algorithm**

<table>
<thead>
<tr>
<th>SK_ELIG2</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cohort hospitalized events with stroke* ICD codes (eligible)</td>
</tr>
<tr>
<td>2</td>
<td>Out-of-hospital deaths with ICD-9 code 430-438 in the underlying cause of death (eligible)</td>
</tr>
<tr>
<td>3</td>
<td>Transfers from/to an eligible stroke event whose SK_ELIG2=1 (eligible)</td>
</tr>
<tr>
<td>4</td>
<td>Hospitalized events contains only ICD-9 code 437-438 in and after year 1997</td>
</tr>
<tr>
<td>5</td>
<td>Events with stroke history in HRA form (ineligible)</td>
</tr>
<tr>
<td>.C</td>
<td>Confirmed events that were not eligible</td>
</tr>
<tr>
<td>0</td>
<td>Other ineligibles</td>
</tr>
</tbody>
</table>

**Related Variables**
CEL11E, CEL10, DTH18, STR11
CENSORYY

Purpose
To determine the censoring date for cohort participants.

Values
Date

Description
CENSORYY is the last date known alive or death date for all cohort participants before 19YY.

Type
Incidence

Algorithm
(a). if max[V2DATE21, V3DATE31, V4DATE41 with a non-missing cohort form, any AFU1 with AFU2 in {C, F, R} on AFU form for any contact year] >= 12/31/YY then CENSORYY=12/31/YY.

(b). If not (a) and has a death date by 19YY in DTH file, then CENSORYY takes the value of DTH9.

(c). if not (a) and (b), then CENSORYY takes the maximum value of V2DATE21, V3DATE31, and non-missing AFU1 from the last AFU form with AFU2 in {C, F, R}

Related Variables
V2DATE21 (cohort visit 2 date), V3DATE31 (cohort visit 3 date), V4DATE41 (cohort visit 4 date), DTH9 (death date in the Death Certificate), AFU1 (annual follow-up date), AFU2 (final status)
INYYDP

**Purpose**
To determine if a person has a definite or probable incident stroke.

**Values**
1 or 0

**Description**
INYYDP is an indicator of definite or probable incident stroke. INYYDP=1 if first definite or probable stroke, and the date of admission (STR12) is before 12/31/YY. NOTE: the history variable (HOM10D) is not used for defining incident events so that each researcher can determine defining missing HOM10D as incident events or not.

**Type**
Stroke incidence

**Algorithm**

<table>
<thead>
<tr>
<th>INYYDP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>if first definite or probable stroke (FINALDX=A - H) and admission date is before 12/31/YY</td>
</tr>
<tr>
<td>0</td>
<td>otherwise</td>
</tr>
</tbody>
</table>

**Related Variables**
FINALDX, HOM10D (reported history of stroke at Cohort Visit 1), STR12 (date of admission)
**INYYDPP**

**Purpose**
To determine if a person has a definite, probable or possible incident stroke.

**Values**
1 or 0

**Description**
INYYDPP is an indicator of definite, probable or possible incident stroke. INYYDPP=1 if first definite, probable or possible stroke, and the date of admission (STR12) is before 12/31/YY. NOTE: the history variable (HOM10D) is not used for defining incident events so that each researcher can determine defining missing HOM10D as incident events or not.

**Type**
Stroke incidence

**Algorithm**

<table>
<thead>
<tr>
<th>INYYDPP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>if first definite or probable or possible stroke (FINALDX=A-1) and admission date is before 12/31/YY</td>
</tr>
<tr>
<td>0</td>
<td>otherwise</td>
</tr>
</tbody>
</table>

**Related Variables**
FINALDX, HOM10D (reported history of stroke at Cohort Visit 1), STR12 (date of admission)
INYYISC

**Purpose**
To determine if a person has a definite or probable ischemic incident strokes.

**Values**
1 or 0

**Description**
INYYISC is an indicator of definite or probable ischemic incident stroke. INYYISC=1 if first ischemic stroke, and the date of admission (STR12) is before 12/31/YY. NOTE: the history variable (HOM10D) is not used for defining incident events so that each researcher can determine defining missing HOM10D as incident events or not.

**Type**
Stroke incidence

**Algorithm**

<table>
<thead>
<tr>
<th>INYYISC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>if first definite or probable TIB or EIB (FINALDX = C, D, G or H) and admission date is before 12/31/YY</td>
</tr>
<tr>
<td>0</td>
<td>otherwise</td>
</tr>
</tbody>
</table>

**Related Variables**
FINALDX, HOM10D (reported history of stroke at Cohort Visit 1), STR12 (date of admission)
INYYHEM

Purpose
To determine if a person has a definite or probable hemorrhagic incident strokes (not including SAH).

Values
1 or 0

Description
INYYHEM is an indicator of definite or probable hemorrhagic incident stroke (not including SAH). INYYHEM=1 if first hemorrhagic stroke, and the date of admission (STR12) is before 12/31/YY. NOTE: the history variable (HOM10D) is not used for defining incident events so that each researcher can determine defining missing HOM10D as incident events or not.

Type
Stroke incidence

Algorithm
INYYHEM Description
1 if first definite or probable IPH (FINALDX = B or F) and admission date is before 12/31/YY
0 otherwise

Related Variables
FINALDX, HOM10D (reported history of stroke at Cohort Visit 1), STR12 (date of admission)
INYYCHM

Purpose
To determine if a person has a definite or probable hemorrhagic incident strokes (including SAH).

Values
1 or 0

Description
INYYCHM is an indicator of definite or probable hemorrhagic incident stroke (including SAH). INYYCHM=1 if first hemorrhagic stroke, and the date of admission (STR12) is before 12/31/YY. NOTE: the history variable (HOM10D) is not used for defining incident events so that each researcher can determine defining missing HOM10D as incident events or not.

Type
Stroke incidence

Algorithm
<table>
<thead>
<tr>
<th>INYYCHM</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>if first definite or probable SAH or IPH (FINALDX = A, B, E or F) and admission date is before 12/31/YY</td>
</tr>
<tr>
<td>0</td>
<td>otherwise</td>
</tr>
</tbody>
</table>

Related Variables
FINALDX, HOM10D (reported history of stroke at Cohort Visit 1), STR12 (date of admission)
**EDYYDP**

**Purpose**
To determine the end date of follow-up for definite or probable incident strokes.

**Values**
Date

**Description**
EDYYDP is the hospital admission date for those incident strokes, or the censoring date for non-incident events.

**Type**
Stroke incidence

**Remarks**

**Algorithm**

<table>
<thead>
<tr>
<th>EDYYDP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STR12</td>
<td>if INYYDP=1</td>
</tr>
<tr>
<td>CENSORYY</td>
<td>if INYYDP=0</td>
</tr>
</tbody>
</table>

**Related Variables**
CENSORYY, INYYDP, STR12 (date of admission)
**EDYYDPP**

**Purpose**
To determine the end date of follow-up for definite, probable or possible incident strokes.

**Values**
Date

**Description**
EDYYDPP is the hospital admission date for those incident strokes, or the censoring date for non-incident events.

**Type**
Stroke incidence

**Remarks**

**Algorithm**

<table>
<thead>
<tr>
<th>EDYYDPP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STR12</td>
<td>if INYYDPP=1</td>
</tr>
<tr>
<td>CENSORYY</td>
<td>if INYYDPP=0</td>
</tr>
</tbody>
</table>

**Related Variables**
CENSORYY, INYYDPP, STR12 (date of admission)
**EDYYISC**

**Purpose**
To determine the end date of follow-up for definite or probable ischemic incident strokes.

**Values**
Date

**Description**
EDYYISC is the hospital admission date for ischemic incident strokes, or the censoring date for non-incident events.

**Type**
Stroke incidence

**Remarks**

**Algorithm**

<table>
<thead>
<tr>
<th>EDYYISC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STR12</td>
<td>if INYYISC=1</td>
</tr>
<tr>
<td>CENSORYY</td>
<td>if INYYISC=0</td>
</tr>
</tbody>
</table>

**Related Variables**
CENSORYY, INYYISC, STR12 (date of admission)
**EDYYHEM**

**Purpose**
To determine the end date of follow-up for definite or probable hemorrhagic incident strokes (not including SAH).

**Values**
Date

**Description**
EDYYHEM is the hospital admission date for hemorrhagic incident strokes (not including SAH), or the censoring date for non-incident events.

**Type**
Stroke incidence

**Remarks**

**Algorithm**

<table>
<thead>
<tr>
<th>EDYYHEM</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STR12</td>
<td>if INYYHEM=1</td>
</tr>
<tr>
<td>CENSORYY</td>
<td>if INYYHEM=0</td>
</tr>
</tbody>
</table>

**Related Variables**
CENSORYY, INYYHEM, STR12 (date of admission)
EDYYCHM

Purpose
To determine the end date of follow-up for definite or probable hemorrhagic incident strokes (including SAH).

Values
Date

Description
EDYYCHM is the hospital admission date for brain or subarachnoid hemorrhagic incident strokes, or the censoring date for non-incident events.

Type
Stroke incidence

Remarks

Algorithm

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>STR12</td>
<td>if INYYCHM=1</td>
</tr>
<tr>
<td>CENSORYY</td>
<td>if INYYCHM=0</td>
</tr>
</tbody>
</table>

Related Variables
CENSORYY, INYYCHM, STR12 (date of admission)
FTYYDP

**Purpose**
To determine the follow-up time for definite or probable incident strokes.

**Values**
Numeric

**Description**
FTYYDP is the follow-up days for incident strokes.

**Type**
Stroke incidence

**Algorithm**
FTYYDP=(EDYYDP-V1DATE01)/365.25

**Remarks**
A few cohort participants started the study in late 1986. To exclude follow up time before 1987, the user needs to define their own follow-up time as

\[
[\text{EDYYDP}-\max(V1DATE01, 01/01/87)]/365.25.
\]

**Related Variables**
EDYYDP, INYYDP, V1DATE01 (Cohort Visit 1 date)
FTYYDPP

**Purpose**
To determine the follow-up time for definite, probable or possible incident strokes.

**Values**
Numeric

**Description**
FTYYDPP is the follow-up days for incident strokes.

**Type**
Stroke incidence

**Algorithm**
FTYYDPP=(EDYYDPP-V1DATE01)/365.25

**Remarks**
A few cohort participants started the study in late 1986. To exclude follow up time before 1987, the user needs to define their own follow-up time as
[EDYYDPP-max(V1DATE01, 01/01/87)]/365.25.

**Related Variables**
EDYYDPP, INYYDPP, V1DATE01 (Cohort Visit 1 date)
FTYYISC

Purpose
To determine the follow-up time for definite or probable ischemic incident strokes.

Values
Numeric

Description
FTYYDPP is the follow-up days for ischemic incident strokes.

Type
Stroke incidence

Algorithm
FTYYISC=(EDYYISC-V1DATE01)/365.25

Remarks
A few cohort participants started the study in late 1986. To exclude follow up time before 1987, the user needs to define their own follow-up time as [EDYYISC-max(V1DATE01, 01/01/87)]/365.25.

Related Variables
EDYYISC, INYYISC, V1DATE01 (Cohort Visit 1 date)
**FTYYHEM**

**Purpose**
To determine the follow-up time for definite or probable hemorrhagic incident strokes (not including SAH).

**Values**
Numeric

**Description**
FTYYDPP is the follow-up days for hemorrhagic incident strokes (not including SAH).

**Type**
Stroke incidence

**Algorithm**
FTYYHEM=(EDYYHEM-V1DATE01)/365.25

**Remarks**
A few cohort participants started the study in late 1986. To exclude follow up time before 1987, the user needs to define their own follow-up time as

[EDYYHEM-max(V1DATE01, 01/01/87)]/365.25.

**Related Variables**
EDYYHEM, INYYHEM, V1DATE01 (Cohort Visit 1 date)
FTYYCHM

Purpose
To determine the follow-up time for definite or probable hemorrhagic incident strokes (including SAH).

Values
Numeric

Description
FTYYCHM is the follow-up days for brain or subarachnoid hemorrhagic incident strokes.

Type
Stroke incidence

Algorithm
FTYYCHM=(EDYYCHM-V1DATE01)/365.25

Remarks
A few cohort participants started the study in late 1986. To exclude follow up time before 1987, the user needs to define their own follow-up time as
[EDYYCHM-max(V1DATE01, A01/01/87"d)]/365.25.

Related Variables
EDYYCHM, INYYCHM, V1DATE01 (Cohort Visit 1 date)