ARIC Public Use Data
Derived Variable Dictionary – Stroke Surveillance

Table of Contents for Year YY

Alphabetical Index ....................................................................................................................................... 3

1. Classification Variable
   COMPDIAG (Computer Diagnosis) ............................................................................................................ 4
   COMP_DX (Computer Diagnosis – Format Value) .................................................................................. 5
   FINALDX (Final Diagnosis) .................................................................................................................... 6
   FINAL_DX (Final Diagnosis – Format Value) .......................................................................................... 7

2. Event Time/Type Variable
   EVENTYPE (Event Type) ......................................................................................................................... 8
   YEAR (Event Year) .................................................................................................................................. 9

3. Incidence* Stroke Variable
   3.1 Incident Event
      INDPYY (Definite/Probable Incident Stroke)..................................................................................... 10
      INDPPYY (Definite/Probable/Possible Incident Stroke)...................................................................... 11
      INISCYY (Def/Prob Ischemic Incident Stroke)................................................................................... 12
      INHEMYY (Def/Prob Brain Hemorrhagic Incident Stroke)................................................................ 13
      INCHMYY (Def/Prob Brain/SAH Hemorrhagic Incident Stroke).......................................................... 14

   3.2 Age at Incident Event
      AGDPYY (Age for INDPYY).................................................................................................................. 15
      AGDPPYY (Age for INDPPYY) ............................................................................................................. 16
      AGISCYY (Age for INISCYY)................................................................................................................ 17
      AGHEMYY (Age for INHEMYY)............................................................................................................ 18
      AGCHMYY (Age for INCHMYY)............................................................................................................ 19

   3.3 Event Year
      YRDPYY (Event Year for INDPYY)........................................................................................................ 20
      YRDPPYY (Event Year for INDPPYY)................................................................................................. 21
      YRISCYY (Event Year for INISCYY).................................................................................................. 22
      YRHEMYY (Event Year for INHEMYY)............................................................................................... 23
      YRCHMYY (Event Year for INCHMYY)............................................................................................... 24

3.4 Follow-up Time
FTDPYY (Follow Up Days for INDPYY).................................................................25
FTDPPYY (Follow Up Days for INDPPYY) ..........................................................26
FTISCYY (Follow Up Days for INISCYY)............................................................27
FTHEMYY (Follow Up Days for INHEMYY) ..........................................................28
FTCHMYY (Follow Up Days for INCHMYY)..........................................................29

*a* Year YY will be 95 for 1995, 96 for 1996 and 97 for 1997 etc.

*"Incident" is somewhat of a misnomer because the events in these files are first occurrences since 1987 without regard to pre-1987 history.
ALPHABETICAL INDEX

AGCHMYY (Age for INCHMYY) ................................................................................ 19
AGDPYY (Age for INDPYY) ................................................................................... 15
AGDPPYY (Age for INDPPYY) .............................................................................. 16
AGHEMYY (Age for INHEMYY) ............................................................................ 18
AGISCYY (Age for INISCYY) ............................................................................... 17
COMP_DX (Computer Diagnosis – Format Value) .............................................. 5
COMPDIAG (Computer Diagnosis) ................................................................. 4
EVENTYPE (Event Type) ...................................................................................... 8
FINAL_DX (Final Diagnosis – Format Value) .................................................. 7
FINALDX (Final Diagnosis) ................................................................................. 6
FTCHMYY (Follow Up Days for INCHMYY) ....................................................... 29
FTDPYY (Follow Up Days for INDPYY) ............................................................... 25
FTDPPYY (Follow Up Days for INDPPYY) ......................................................... 26
FTHEMYY (Follow Up Days for INHEMYY) ....................................................... 28
FTISCYY (Follow Up Days for INISCYY) ........................................................ 27
INCHMYY (Def/Prob Brain/SAH Hemorrhagic Incident Stroke) ...................... 14
INDPYY (Definite/Probable Incident Stroke) ...................................................... 10
INDPPYY (Definite/Probable/Possible Incident Stroke) ...................................... 11
INHEMYY (Def/Prob Brain Hemorrhagic Incident Stroke) ............................... 13
INISCYY (Def/Prob Ischemic Incident Stroke) ................................................... 12
YEAR (Event Year) .......................................................................................... 9
YRCHMYY (Event Year for INCHMYY) ............................................................. 24
YRDPYY (Event Year for INDPYY) ................................................................. 20
YRDPPYY (Event Year for INDPPYY) ............................................................... 21
YRHEMYY (Event Year for INHEMYY) ............................................................. 23
YRISCYY (Event Year for INISCYY) ................................................................. 22


**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.

**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 &amp; (Undocumented (no chart) Fatal Cases with Stroke Codes)</td>
</tr>
<tr>
<td>L</td>
<td>COMPDIAG=J &amp; DTH18 in 430-438 &amp; OHD (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 located ?)
**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 reviewers diagnosis if agree with computer diagnosis, or computers 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 reviewers 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>Algorithm</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINALDX</td>
<td></td>
</tr>
<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 (reviewers 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>FINAL_DX</th>
<th>Description</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)
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, 87-95

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).
**INDPYY**

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

**Values**
1 or 0

**Description**
INDPYY is an indicator of definite or probable incident stroke. INDPYY=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>INDPYY</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)
INDPPYY

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

Values
1 or 0

Description
INDPPYY is an indicator of definite, probable or possible incident stroke. INDPPYY=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
INDPYY Description
1 if first definite or probable or possible stroke (FINALDX=A - 1) 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)
INISCYY

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

Values
1 or 0

Description
INISCYY is an indicator of definite or probable ischemic incident stroke. INISCYY=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>INISCYY</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)
INHEMYY

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

Values
1 or 0

Description
INHEMYY is an indicator of definite or probable hemorrhagic incident stroke (not including SAH). INHEMYY=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>INHEMYY</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>if first definite or probable IPH (FINALDX = B 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)
INCHMYY

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

**Values**
1 or 0

**Description**
INCHMYY is an indicator of definite or probable hemorrhagic incident stroke (including SAH). INCHMYY=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>INCHMYY</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)
**AGDPYY**

**Purpose**
To determine the age at event of definite or probable incident strokes.

**Values**
Numeric

**Type**
Stroke incidence

**Algorithm**
\[
AGDPYY = \text{year of EDDPYY} - \text{year of DOB} - \text{PREBDAY}
\]
where
\[
\text{EDDPYY} = \text{STRC12 if INDPYY=1} \\
\text{EDDPYY} = \text{CENSORYY if INDPYY=0}
\]
\[
\text{DOB is the date of birth for cohort participants} \\
\text{PREBDAY = 1 if (month of EDDPYY} \leq \text{month of DOB) and (month of EDDPYY ne.} \\
\text{month of DOB or day of EDDPYY ne. day of DOB)} \\
\text{PREBDAY = 0 otherwise}
\]

* **CENSORYY** is defined as below.

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

**Remarks**
V2DATE21 is the Visit 2 exam date, V3DATE31 is for Visit 3, and V4DATE41 is for Visit 4.

**Related Variables**
CENSORYY, INDPYY, STR12 (date of admission)
AGDPPYY

**Purpose**
To determine the age at event of definite, probable or possible incident strokes.

**Values**
Numeric

**Type**
Stroke incidence

**Algorithm**

\[
AGDPPYY = \text{year of EDDPPYY} - \text{year of DOB} - \text{PREBDAY}
\]

where

\[
\text{EDDPPYY} = \text{STRC12 if INDPPYY} = 1 \\
\text{EDDPPYY} = \text{CENSORYY}^* \text{ if INDPPYY} = 0
\]

DOB is the date of birth for cohort participants

\[
\text{PREBDAY} = 1 \text{ if (month of EDDPPYY} \leq \text{month of DOB) and (month of EDDPPYY ne.}} \text{ month of DOB or day of EDDPPYY ne. day of DOB)}
\]

\[
\text{PREBDAY} = 0 \text{ otherwise}
\]

* CENSORYY is defined in AGDPYY.

**Related Variables**
CENSORYY, INDPPYY, STR12 (date of admission)
AGISCYY

Purpose
To determine the age at event of definite or probable ischemic incident strokes.

Values
Numeric

Type
Stroke incidence

Algorithm
AGISCYY = year of EDISCYY - year of DOB - PREBDAY
where
EDISCYY = STRC12 if INISCYY = 1
EDISCYY = CENSORYY* if INISCYY = 0

DOB is the date of birth for cohort participants

PREBDAY = 1 if (month of EDISCYY <= month of DOB) and (month of EDISCYY ne. month of DOB or day of EDISCYY ne. day of DOB)
PREBDAY = 0 otherwise

* CENSORYY is defined in AGDPYY.

Related Variables
CENSORYY, INISCYY, STR12 (date of admission)
AGHEMYY

Purpose
To determine the age at event of definite or probable hemorrhagic incident strokes (not including SAH).

Values
Numeric

Type
Stroke incidence

Algorithm
AGHEMYY = year of EDHEMYY -year of DOB - PREBDAY
where
EDHEMYY=STRC12 if INHEMYY=1
EDHEMYY=CENSORYY* if INHEMYY=0

DOB is the date of birth for cohort participants

PREBDAY = 1  if (month of EDHEMYY <=month of DOB) and (month of EDHEMYY ne. month of DOB or day of EDHEMYY ne. day of DOB)
PREBDAY = 0  otherwise

* CENSORYY is defined in AGDPYY.

Related Variables
CENSORYY, INHEMYY, STR12 (date of admission)
AGCHMYY

**Purpose**
To determine the age at event of definite or probable hemorrhagic incident strokes (including SAH).

**Values**
Numeric

**Type**
Stroke incidence

**Algorithm**

\[
AGCHMYY = \text{year of EDCHMYY} - \text{year of DOB} - \text{PREBDAY}
\]

where

\[
\begin{align*}
\text{EDCHMYY} &= \text{STRC12 if INCHMYY=1} \\
\text{EDCHMYY} &= \text{CENSORYY* if INCHMYY=0}
\end{align*}
\]

DOB is the date of birth for cohort participants

\[
\text{PREBDAY} = 1 \text{ if (month of EDCHMYY} \leq \text{month of DOB)} \text{ and (month of EDCHMYY}
\text{ ne. month of DOB or day of EDCHMYY ne. day of DOB)}
\]

\[
\text{PREBDAY} = 0 \text{ otherwise}
\]

* CENSORYY is defined in AGDPYY.

**Related Variables**
CENSORYY, INCHMYY, STR12 (date of admission)
YRDPPYY

**Purpose**
To determine the event year for definite or probable incident strokes.

**Values**
Numeric, 4-digit

**Type**
Stroke incidence

**Algorithm**
YRDPPYY = year of EDDPPYY
where
EDDPYY is defined in AGDPYY.

**Related Variables**
CENSORYY, INDPPYY, AGDPYY
**YRDPPYY**

**Purpose**
To determine the event year for definite or probable incident strokes.

**Values**
Numeric, 4-digit

**Type**
Stroke incidence

**Algorithm**
\[
\text{YRDPPYY} = \text{year of EDDPPYY}
\]
where
\[
\text{EDDPPYY is defined in AGDPPYY}
\]

**Related Variables**
CENSORYY, INDPPYY, AGDPPYY
**YRISCYY**

**Purpose**
To determine the event year for definite or probable ischemic incident strokes.

**Values**
Numeric, 4-digit

**Type**
Stroke incidence

**Algorithm**

\[ YRISCYY = \text{year of EDISCYY} \]

where

EDISCYY is defined in AGISCYY

**Related Variables**
CENSORYY, INISCYY, AGISCYY
YRHEMYY

Purpose
To determine the event year for hemorrhagic incident strokes (not including SAH).

Values
Numeric, 4-digit

Type
Stroke incidence

Algorithm
YRHEMYY = year of EDHEMYY
where
EDHEMYY is defined in AGHEMYY

Related Variables
CENSORYY, INHEMYY, AGHEMYY
YRCHMYY

**Purpose**
To determine the event year for definite or probable hemorrhagic incident strokes (including SAH).

**Values**
Numeric, 4-digit

**Type**
Stroke incidence

**Algorithm**
YRCHMYY = year of EDCHMYY
where
EDCHMYY is defined in AGCHMYY

**Related Variables**
CENSORYY, INCHMYY, AGCHMYY
FTDPYY

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

**Values**
Numeric

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

**Type**
Stroke incidence

**Algorithm**
FTDPYY=(EDDPYY-V1DATE01)/365.25

Where EDDPYY is defined in AGDPYY.

**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

\[ \text{EDDPYY-max(V1DATE01, A01/01/87"d])}/365.25. \]

**Related Variables**
EDDPYY, INDPYY, V1DATE01 (Cohort Visit 1 date)
FTDPPYY

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

Values
Numeric

Description
FTDPPYY is the follow-up days for incident strokes.

Type
Stroke incidence

Algorithm
FTDPPYY=(EDDPPYY-V1DATE01)/365.25

Where EDDPPYY is defined in AGDPPYY.

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
[EDDPPYY-max(V1DATE01, A01/01/87"d])/365.25.

Related Variables
EDDPPYY, INDPPYY, V1DATE01 (Cohort Visit 1 date)
FTISCYY

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

**Values**
Numeric

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

**Type**
Stroke incidence

**Algorithm**
FTISCYY=(EDISCYY-V1DATE01)/365.25

Where EDISCYY is defined in AGISCYY.

**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 [EDISCYY-max(V1DATE01, A01/01/87"d)]/365.25.

**Related Variables**
EDISCYY, INISCYY, V1DATE01 (Cohort Visit 1 date)
**FTHEMYY**

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

**Values**
Numeric

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

**Type**
Stroke incidence

**Algorithm**
FTHEMYY=(EDHEMYY-V1DATE01)/365.25

Where EDHEMYY is defined in AGHEMYY.

**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 [EDHEMYY-max(V1DATE01, A01/01/87"d)]/365.25.

**Related Variables**
EDHEMYY, INHEMYY, V1DATE01 (Cohort Visit 1 date)
FTCHMYY

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

Values
Numeric

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

Type
Stroke incidence

Algorithm
FTCHMYY = (EDCHMYY - V1DATE01) / 365.25

Where EDCHMYY is defined in AGCHMYY.

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

   [EDCHMYY - max(V1DATE01, A01/01/87"d")]/365.25.

Related Variables
EDCHMYY, INCHMYY, V1DATE01 (Cohort Visit 1 date)