

This dataset is created based on Gen 1 FHS participants' self-reported information.

The following is the timeline for related questions found in individual FHS core exams (N = No, Y = Yes):

FHS Core Exam	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Tranquilizers	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Sedative/Hypnotic	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N
Anti-anxiety drugs	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N
Sleeping pills	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	
Antidepressants	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	

- Each derived variable will contain information of the source variable name, source question and the underlying logic programming.
- From Exam 28 onwards (highlighted in yellow), FHS changed the data collection practice for medication information. Instead of asking questions for individual drug categories, the data is ACT (Anatomical Therapeutic Chemical Classification System) - coded. For in depth information, refer to appendix.

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ID

#### IDTYPE

**Variable name:** idtype

**Description:** Framingham Heart Study cohort identifier

Code or Value	Description
0	Gen 1

#### ID

**Variable name:** id

**Description:** Framingham Heart Study participant identifier within cohort

**IDTYPE and ID must be used together to form a unique study participant identification number or use variable “framid” instead**

Code or Value	Description
0 – 9999	Range of values

**Note:** To preserve confidentiality, the exact range for the ID is not reflected in the coding manual.

#### FRAMID

**Variable name:** Framid

**Description:** Framingham ID assigned to each participant

Code or Value	Description
00000 – 99999	Gen 1

**Note:** To preserve confidentiality, the exact range for the ID is not reflected in the coding manual.

## Antidepressants

### ANTIDEPRESSANTS\_CORE17

**Variable name:** antidepressant\_core17

**Description:** Interim history of antidepressant medication use in exam 17

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FJ34 in FHS core exam 17 (Gen 1):

Interim History of Medicine used: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_1\_CORE18

**Variable name:** antidepressant\_1\_core18

**Description:** Interim history of antidepressant medication use in exam 18

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FK124 in FHS core exam 18 (Gen 1):

Medicine use: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_2\_CORE18

**Variable name:** antidepressant\_2\_core18

## Antidepressants

**Description:** Type of antidepressant medication use in exam 18

**Note:** This is a **character** variable.

This variable is based on the variable FK125 in FHS core exam 18 (Gen 1):

Type of Antidepressant

### ANTIDEPRESSANTS\_CORE19

**Variable name:** antidepressant\_core19

**Description:** Interim history of antidepressant medication use in exam 19

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FL157 in FHS core exam 19 (Gen 1):

Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_CORE20

**Variable name:** antidepressant\_core20

**Description:** Interim history of antidepressant medication use in exam 20

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FM195 in FHS core exam 20 (Gen 1):

Medicine use: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

## Antidepressants

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_CORE21

**Variable name:** antidepressant\_core21

**Description:** Interim history of antidepressant medication use in exam 21

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FN134 in FHS core exam 21 (Gen 1):

Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_CORE22

**Variable name:** antidepressant\_core22

**Description:** Interim history of antidepressant medication use in exam 22

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FO142 in FHS core exam 22 (Gen 1):

Medication use: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

## Antidepressants

### ANTIDEPRESSANTS\_CORE23

**Variable name:** antidepressant\_core23

**Description:** Interim history of antidepressant medication use in exam 23

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FP096 in FHS core exam 23 (Gen 1):

Medication use: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_CORE24

**Variable name:** antidepressant\_core24

**Description:** Interim history of antidepressant medication use in exam 24

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FQ179 in FHS core exam 24 (Gen 1):

Medication use: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_CORE25

**Variable name:** antidepressant\_core25

## Antidepressants

**Description:** Interim history of antidepressant medication use in exam 25

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FR231 in FHS core exam 25 (Gen 1):

Other medications: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_CORE26

**Variable name:** antidepressant\_core26

**Description:** Interim history of antidepressant medication use in exam 26

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FS299 in FHS core exam 26 (Gen 1):

Non cardiovascular medications: Antidepressants

- 0 – NO
- 1 – YES, NOW
- 2 – YES, NOT NOW
- 3 – MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANTIDEPRESSANTS\_CORE27

**Variable name:** antidepressant\_core27

**Description:** Interim history of antidepressant medication use in exam 27



## Antidepressants

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FT306 in FHS core exam 27 (Gen 1):

Non cardiovascular medications: Antidepressants

0 – NO

1 – YES, NOW

2 – YES, NOT NOW

3 – MAYBE

. – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

## Antidepressants

### ANTIDEPRESSANTS\_CORE28

**Variable name:** antidepressant\_core28

**Description:** Interim history of antidepressant medication use in exam 28

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

### ANTIDEPRESSANTS\_CORE29

**Variable name:** antidepressant\_core29

**Description:** Interim history of antidepressant medication use in exam 29

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

### ANTIDEPRESSANTS\_CORE30

**Variable name:** antidepressant\_core30

**Description:** Interim history of antidepressant medication use in exam 30

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

### ANTIDEPRESSANTS\_CORE31

**Variable name:** antidepressant\_core31

**Description:** Interim history of antidepressant medication use in exam 31

## Antidepressants

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

### ANTIDEPRESSANTS\_CORE32

**Variable name:** antidepressant\_core32

**Description:** Interim history of antidepressant medication use in exam 32

Code or Value	Description
0	No antidepressant usage
1	Antidepressant usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

## Depression Related Information

### CDI\_DEPRESSION\_CORE22

**Variable name:** cdi\_depression\_core22

**Description:** Clinical diagnostic impression: Depression in exam 22

Code or Value	Description
0	No clinical diagnostic impression for depression
1	Clinical diagnostic impression for depression
.	Did not attend exam

**Note:** This variable is based on the variable FO481 in FHS core exam 22 (Gen 1):

Clinical diagnostic impression: Depression

- 0 – NO
- 1 – YES, NEW
- 2 – YES, OLD
- 3 – YES, RECURRENT
- 4 – MAYBE
- . – UNKNOWN

Values 0, 4 and . are recoded as 0; 1, 2 and 3 are recoded as 1

Participants who did not attend exam are coded as .

### CDI\_DEPRESSION\_CORE23

**Variable name:** cdi\_depression\_core23

**Description:** Clinical diagnostic impression: Depression in exam 23

Code or Value	Description
0	No clinical diagnostic impression for depression
1	Clinical diagnostic impression for depression
.	Did not attend exam

**Note:** This variable is based on the variable FP447 in FHS core exam 23 (Gen 1):

Clinical diagnostic impression: Depression

- 0 – NO
- 1 – YES
- 2 – MAYBE
- . – UNKNOWN

Values 0 and . are recoded as 0; 1 is recoded as 1

Participants who did not attend exam are coded as .

## Depression Related Information

### CESD\_CORE22

**Variable name:** cesd\_core22

**Description:** CES-D scale – Total score in exam 22

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE23

**Variable name:** cesd\_core23

**Description:** CES-D scale – Total score in exam 23

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE25

**Variable name:** cesd\_core25

**Description:** CES-D scale – Total score in exam 25

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE26

**Variable name:** cesd\_core26

**Description:** CES-D scale – Total score in exam 26

Code or Value	Description
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## Depression Related Information

0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE27

**Variable name:** cesd\_core27

**Description:** CES-D scale – Total score in exam 27

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE28

**Variable name:** cesd\_core28

**Description:** CES-D scale – Total score in exam 28

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE29

**Variable name:** cesd\_core29

**Description:** CES-D scale – Total score in exam 29

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE30

## Depression Related Information

**Variable name:** cesd\_core30

**Description:** CES-D scale – Total score in exam 30

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### CESD\_CORE31

**Variable name:** cesd\_core31

**Description:** CES-D scale – Total score in exam 31

Code or Value	Description
0	Total CES-D score lesser than 16
1	Total CES-D score equal to/greater than 16
.	Did not attend exam/Unknown

**Note:** Total CES-D score was calculated regardless of the number of questions answered

### DEPRESSION\_CORE17

**Variable name:** depression\_core17

**Description:** Derived variable for depression in exam 17, based on anti-depressant medications for exam 17

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable antidepressant\_core17 in FHS core exam 17 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE18

**Variable name:** depression\_core18

**Description:** Derived variable for depression in exam 18, based on anti-depressant medications for exam 18

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable antidepressant\_core18 in FHS core exam 18 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE19

**Variable name:** depression\_core19

**Description:** Derived variable for depression in exam 19, based on anti-depressant medications for exam 19

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable antidepressant\_core19 in FHS core exam 19 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE20



## Depression Related Information

**Variable name:** depression\_core20

**Description:** Derived variable for depression in exam 20, based on anti-depressant medications for exam 20

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable antidepressant\_core20 in FHS core exam 20 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE21

**Variable name:** depression\_core21

**Description:** Derived variable for depression in exam 21, based on anti-depressant medications for exam 21

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable antidepressant\_core21 in FHS core exam 21 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE22

**Variable name:** depression\_core22

**Description:** Derived variable for depression in exam 22, based on anti-depressant medications, Clinical diagnostic impression, and CES-D score for exam 22

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core22, cdi\_depression\_core22 and cesd\_core22 in FHS core exam 22 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE23

## Depression Related Information

**Variable name:** depression\_core23

**Description:** Derived variable for depression in exam 23, based on anti-depressant medications, Clinical diagnostic impression, and CES-D score for exam 23

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core23, cdi\_depression\_core23 and cesd\_core23 in FHS core exam 23 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE24

**Variable name:** depression\_core24

**Description:** Derived variable for depression in exam 24, based on anti-depressant medications and CES-D score for exam 24

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core24 and cesd\_core24 in FHS core exam 24 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE25

**Variable name:** depression\_core25

**Description:** Derived variable for depression in exam 25, based on anti-depressant medications and CES-D score for exam 25

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core25 and cesd\_core25 in FHS core exam 25 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE26

## Depression Related Information

**Variable name:** depression\_core26

**Description:** Derived variable for depression in exam 26, based on anti-depressant medications and CES-D score for exam 26

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core26 and cesd\_core26 in FHS core exam 26 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE27

**Variable name:** depression\_core27

**Description:** Derived variable for depression in exam 27, based on anti-depressant medications and CES-D score for exam 27

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core27 and cesd\_core27 in FHS core exam 27 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE28

**Variable name:** depression\_core28

**Description:** Derived variable for depression in exam 28, based on anti-depressant medications and CES-D score for exam 28

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core28 and cesd\_core28 in FHS core exam 28 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE29

**Variable name:** depression\_core29

## Depression Related Information

**Description:** Derived variable for depression in exam 29, based on anti-depressant medications and CES-D score for exam 29

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core29 and cesd\_core29 in FHS core exam 29 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE30

**Variable name:** depression\_core30

**Description:** Derived variable for depression in exam 30, based on anti-depressant medications and CES-D score for exam 30

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core30 and cesd\_core30 in FHS core exam 30 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE31

**Variable name:** depression\_core31

**Description:** Derived variable for depression in exam 31, based on anti-depressant medications and CES-D score for exam 31

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variables antidepressant\_core31 and cesd\_core31 in FHS core exam 31 (Gen 1). Refer to appendix/SAS code for more information.

### DEPRESSION\_CORE32

**Variable name:** depression\_core32

**Description:** Derived variable for depression in exam 32, based on anti-depressant medications

## Depression Related Information

Code or Value	Description
0	No depression
1	Depression present
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable antidepressant\_core32 in FHS core exam 32 (Gen 1). Refer to appendix/SAS code for more information.

### ANXIOLYTICS\_CORE9

**Variable name:** anxiolytics\_core9

**Description:** Interim history of anti-anxiety medication use in exam 9

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FB75 in FHS core exam 9 (Gen 1):  
Interim History of Medicine: Tranquilizers

- 0 - NO
- 1 - YES, TAKING NOW
- 2 - YES, BUT NOT TAKING NOW
- 9999 - UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and 9999 is recoded as .

### ANXIOLYTICS\_CORE10

**Variable name:** anxiolytics\_core10

**Description:** Interim history of anti-anxiety medication use in exam 10

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FC92 in FHS core exam 10 (Gen 1):  
Interim History of Medicine used: Tranquilizers

- 0 - NO
- 1 - YES, NOW
- 2 - YES, BUT NOT NOW
- 9 - UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and 9 is recoded as .

### ANXIOLYTICS\_CORE11

**Variable name:** anxiolytics\_core11

**Description:** Interim history of anti-anxiety medication use in exam 11

## Anxiolytics

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FD84 in FHS core exam 11 (Gen 1):

Interim History of Medicine used: Tranquilizers

0 - NO

1 - YES, NOW

2 - YES, BUT NOT NOW

9 – UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and 9 is recoded as .

### ANXIOLYTICS\_CORE12

**Variable name:** anxiolytics\_core12

**Description:** Interim history of anti-anxiety medication use in exam 12

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FE96 in FHS core exam 12 (Gen 1):

Interim History of Medicine Used: Tranquilizers

0 - NO

1 - YES, NOW

2 - YES, BUT NOT NOW

9 – UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and 9 is recoded as .

### ANXIOLYTICS\_CORE13

**Variable name:** anxiolytics\_core13

**Description:** Interim history of anti-anxiety medication use in exam 13

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

## Anxiolytics

**Note:** This variable is based on the variable FF98 in FHS core exam 13 (Gen 1):

Interim History of Medicine Used: Tranquilizers

- 0 - NO
- 1 - YES, NOW
- 2 - YES, BUT NOT NOW
- . – UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and 9 is recoded as .

### ANXIOLYTICS\_CORE14

**Variable name:** anxiolytics\_core14

**Description:** Interim history of anti-anxiety medication use in exam 14

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FG97 in FHS core exam 14 (Gen 1):

Interim History of Medicine Used: Tranquilizers

- 0 - NO
- 1 - YES, NOW
- 2 - YES, BUT NOT NOW
- . – UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE15

**Variable name:** anxiolytics\_core15

**Description:** Interim history of anti-anxiety medication use in exam 15

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FH97 in FHS core exam 15 (Gen 1):

Interim History of Medicine Used: Tranquilizers

- 0 - NO
- 1 - YES, NOW



## Anxiolytics

2 - YES, BUT NOT NOW  
9 – UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and 9 is recoded as .

### ANXIOLYTICS\_CORE16

**Variable name:** anxiolytics\_core16

**Description:** Interim history of anti-anxiety medication use in exam 16

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FI56 in FHS core exam 16 (Gen 1):

Interim History of Medicine Used: Tranquilizers

0 - NO  
1 - YES, NOW  
2 - YES, BUT NOT NOW  
9 – UNKNOWN

Values 0 is recoded as 0; 1 and 2 are recoded as 1; and 9 is recoded as .

### ANXIOLYTICS\_CORE17

**Variable name:** anxiolytics\_core17

**Description:** Interim history of anti-anxiety medication use in exam 17

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FJ33 in FHS core exam 17 (Gen 1):

Interim History of Medicine Used: Sedative/Hypnotic

0 - NO  
1 - YES, NOW  
2 - YES, NOT NOW  
3 - MAYBE  
. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_1\_CORE18

**Variable name:** anxiolytics\_1\_core18

**Description:** Interim history of anti-anxiety medication use in exam 18

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FK122 in FHS core exam 18 (Gen 1):

Medicine Use: Sedative/Hypnotic

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

3 - MAYBE

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_2\_CORE18

**Variable name:** anxiolytics\_2\_core18

**Description:** Type of anti-anxiety medication use in exam 18

**Note:** This is a **character** variable.

This variable is based on the variable FK123 in FHS core exam 18 (Gen 1):

Type of Sedative/Hypnotic

### ANXIOLYTICS\_CORE19

**Variable name:** anxiolytics\_core19

**Description:** Interim history of anti-anxiety medication use in exam 19

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FL155 in FHS core exam 19 (Gen 1):

Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

## Anxiolytics

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE20

**Variable name:** anxioylitics\_core20

**Description:** Interim history of anti-anxiety medication use in exam 20

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FM193 in FHS core exam 20 (Gen 1):  
Medicine Use: Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE21

**Variable name:** anxioylitics\_core21

**Description:** Interim history of anti-anxiety medication use in exam 21

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FN132 in FHS core exam 21 (Gen 1):  
Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW

## Anxiolytics

3 - MAYBE

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE22

**Variable name:** anxiolytics\_core22

**Description:** Interim history of anti-anxiety medication use in exam 22

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FO140 in FHS core exam 22 (Gen 1):

Medicine Use: Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

3 - MAYBE

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE23

**Variable name:** anxiolytics\_core23

**Description:** Interim history of anti-anxiety medication use in exam 23

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FP094 in FHS core exam 23 (Gen 1):

Medicine Use: Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

3 - MAYBE

. - UNKNOWN

## Anxiolytics

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE24

**Variable name:** anxiolytics\_core24

**Description:** Interim history of anti-anxiety medication use in exam 24

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FQ177 in FHS core exam 24 (Gen 1):  
Medicine Use: Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE25

**Variable name:** anxiolytics\_core25

**Description:** Interim history of anti-anxiety medication use in exam 25

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FR229 in FHS core exam 25 (Gen 1):  
Other Medications: Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### ANXIOLYTICS\_CORE26

## Anxiolytics

**Variable name:** anxiolytics\_core26

**Description:** Interim history of anti-anxiety medication use in exam 26

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FS297 in FHS core exam 26 (Gen 1):

Noncardiovascular Medications: Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

3 - MAYBE

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

## ANXIOLYTICS\_CORE27

**Variable name:** anxiolytics\_core27

**Description:** Interim history of anti-anxiety medication use in exam 27

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FT304 in FHS core exam 27 (Gen 1):

Noncardiovascular Medications: Anti-Anxiety, Sedative/Hypnotics, etc (Librium, Valium, etc.)

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

3 - MAYBE

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

**ANXIOLYTICS\_CORE28****Variable name:** anxioylytics\_core28**Description:** Interim history of anti-anxiety medication use in exam 28

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

**ANXIOLYTICS\_CORE29****Variable name:** anxioylytics\_core29**Description:** Interim history of anti-anxiety medication use in exam 29

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

**ANXIOLYTICS\_CORE30****Variable name:** anxioylytics\_core30**Description:** Interim history of anti-anxiety medication use in exam 30

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

**ANXIOLYTICS\_CORE31****Variable name:** anxioylytics\_core31**Description:** Interim history of anti-anxiety medication use in exam 31

## Anxiolytics

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

### ANXIOLYTICS\_CORE32

**Variable name:** anxiolytics\_core32

**Description:** Interim history of anti-anxiety medication use in exam 32

Code or Value	Description
0	No anti-anxiety medication usage
1	Anti-anxiety medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.



#### HYPNOTICS\_CORE14

**Variable name:** hypnotics\_core14

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 14

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FG96 in FHS core exam 14 (Gen 1):

Interim History of Medicine Used: Sleeping Pills

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

#### HYPNOTICS\_CORE15

**Variable name:** hypnotics\_core15

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 15

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FH96 in FHS core exam 15 (Gen 1):

Interim History of Medicine Used: Sleeping Pills

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

#### HYPNOTICS\_CORE16

**Variable name:** hypnotics\_core16

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 16

## Hypnotics

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FI55 in FHS core exam 16 (Gen 1):

Interim History of Medicine Used: Sleeping Pills

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE17

**Variable name:** hypnotics\_core17

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 17

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FJ32 in FHS core exam 17 (Gen 1):

Interim History of Medicine Used: Sleeping Pills

0 - NO

1 - YES, NOW

2 - YES, NOT NOW

3 - MAYBE

. - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_1\_CORE18

**Variable name:** hypnotics\_1\_core18

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 18

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage

## Hypnotics

.	Did not attend exam/Unknown
---	-----------------------------

**Note:** This variable is based on the variable FK120 in FHS core exam 18 (Gen 1):

Medicine Use: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_2\_CORE18

**Variable name:** hypnotics\_2\_core18

**Description:** Type of hypnotic medication (sleeping pills) use in exam 18

**Note:** This is a character variable.

This variable is based on the variable FK121 in FHS core exam 18 (Gen 1):

Type of Sleeping Pills

### HYPNOTICS\_CORE19

**Variable name:** hypnotics\_core19

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 19

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FL156 in FHS core exam 19 (Gen 1):

Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . – UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE20

**Variable name:** hypnotics\_core20

## Hypnotics

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 20

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FM194 in FHS core exam 20 (Gen 1):

Medicine Use: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE21

**Variable name:** hypnotics\_core21

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 21

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FN133 in FHS core exam 21 (Gen 1):

Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE22

**Variable name:** hypnotics\_core22

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 22

## Hypnotics

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FO141 in FHS core exam 22 (Gen 1):

Medication Use: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE23

**Variable name:** hypnotics\_core23

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 23

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FP095 in FHS core exam 23 (Gen 1):

Medication Use: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE24

**Variable name:** hypnotics\_core24

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 24

Code or Value	Description
0	No hypnotic medication usage

## Hypnotics

1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FQ178 in FHS core exam 24 (Gen 1):

Medication Use: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE25

**Variable name:** hypnotics\_core25

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 25

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FR230 in FHS core exam 25 (Gen 1):

Other Medications: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE26

**Variable name:** hypnotics\_core26

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 26

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

## Hypnotics

**Note:** This variable is based on the variable FS298 in FHS core exam 26 (Gen 1):  
Noncardiovascular Medications: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

### HYPNOTICS\_CORE27

**Variable name:** hypnotics\_core27

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 27

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on the variable FT305 in FHS core exam 27 (Gen 1):  
Noncardiovascular Medications: Sleeping Pills

- 0 - NO
- 1 - YES, NOW
- 2 - YES, NOT NOW
- 3 - MAYBE
- . - UNKNOWN

Values 0 and 3 are recoded as 0; 1 and 2 are recoded as 1; and . is recoded as .

**HYPNOTICS\_CORE28****Variable name:** hypnotics\_core28**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 28

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

**HYPNOTICS\_CORE29****Variable name:** hypnotics\_core29**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 29

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

**HYPNOTICS\_CORE30****Variable name:** hypnotics\_core30**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 30

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

**HYPNOTICS\_CORE31****Variable name:** hypnotics\_core31**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 31



## Hypnotics

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

### HYPNOTICS\_CORE32

**Variable name:** hypnotics\_core32

**Description:** Interim history of hypnotic medication (sleeping pill) use in exam 32

Code or Value	Description
0	No hypnotic medication usage
1	Hypnotic medication usage
.	Did not attend exam/Unknown

**Note:** This variable is based on ATC coded datasets. Refer to appendix/SAS code for more information.

**Derived variable: Depression**

The condition of depression with a suffix to indicate the core exam number – depression\_core – is derived based on three variables, whenever available:

Antidepressant (antidepressants\_core): Interim history of antidepressant medication use

- 0 – No antidepressant usage
- 1 – Antidepressant usage
- . – Did not attend exam/Unknown

CDI (cdi\_depression\_core): Clinical diagnostic impression

- 0 – No clinical diagnostic impression for depression
- 1 – Clinical diagnostic impression for depression
- . – Did not attend exam/Unknown

CESD (cesd\_core): Center for Epidemiologic Studies Depression Scale total score cut-off at 16

- 0 – Total CES-D score lesser than 16
- 1 – Total CES-D score equal to/greater than 16
- . – Did not attend exam/Unknown

**EXAMS 17-21**

Only antidepressant is available

No CESD and CDI

Logic programming:

Antidepressant	Depression
1	1
0	0
.	.

## Appendix - Depression

### EXAMS 22 AND 23

All three variables (antidepressant, CDI and CESD) present with non-missing values

Logic programming:

Antidepressant	Clinical Diagnostic Impression	CESD	Depression
1	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
0	1	1	1
0	1	0	1
0	0	0	0
0	0	1	0

For missing individuals with missing values in at least one of the three variables.

Logic programming:

Antidepressant	Clinical Diagnostic Impression	CESD	Depression
1	.	1	1
1	.	0	1
0	.	1	1
0	.	0	0
1	1	.	1
1	0	.	1
0	1	.	0
0	0	.	0
.	1	1	1
.	1	0	0
.	0	1	1
.	0	0	0
1	.	.	1
0	.	.	0
.	.	1	1
.	.	0	0
.	1	.	.
.	0	.	.
.	.	.	.

## Appendix - Depression

### EXAMS 24-27

Antidepressant and CESD are available

No CDI

Logic programming:

Antidepressant	CESD	Depression
1	1	1
1	0	1
0	1	0
0	0	0
.	1	.
.	0	.
1	.	1
0	.	0
.	.	.

## Appendix – Antidepressant ATC codes

### ATC codes for antidepressants

ATC CODE FOR MEDICATION OR FIRST DRUG IN COMPOUND	MEDICATION	Notes
N06AA01	Desipramine	
N06AA02	Imipramine	
N06AA03	Imipramine oxide	
N06AA04	Clomipramine	
N06AA05	Opipramol	
N06AA06	Trimipramine	
N06AA07	Lofepramine	
N06AA08	Dibenzepin	
N06AA09	Amitriptyline	*tricyclics also used for pain/neuropathy
N06AA10	Nortriptyline	*tricyclics also used for pain/neuropathy
N06AA11	Protriptyline	
N06AA12	Doxepin	
N06AA13	Iprindole	
N06AA14	Melitracen	
N06AA15	Butriptyline	
N06AA16	Dosulepin	
N06AA17	Amoxapine	
N06AA18	Dimetacrine	
N06AA19	Amineptine	
N06AA21	Maprotiline	
N06AA23	Quinupramine	
N06AB02	Zimeldine	
N06AB03	Fluoxetine	
N06AB04	Citalopram	
N06AB05	Paroxetine	
N06AB06	Sertraline	
N06AB07	Alaproclate	
N06AB08	Fluvoxamine	
N06AB09	Etoferidone	
N06AB10	Escitalopram	
N06AF01	Isocarboxazid	
N06AF02	Nialamide	

## Appendix – Antidepressant ATC codes

N06AF03	Phenelzine	
N06AF04	Tranlycypromine	
N06AF05	Iproniazide	
N06AF06	Iproclozide	
N06AG02	Moclobemide	
N06AG03	Toloxatone	
N06AX01	Oxitriptan	
N06AX02	Tryptophan	
N06AX03	Mianserin	
N06AX04	Nomifensine	
N06AX05	Trazodone	
N06AX06	Nefazodone	
N06AX07	Minaprine	
N06AX08	Bifemelane	
N06AX09	Viloxazine	
N06AX10	Oxaflozane	
N06AX11	Mirtazapine	
N06AX13	Medifoxamine	
N06AX14	Tianeptine	
N06AX15	Pivagabine	
N06AX16	Venlafaxine	
N06AX17	Milnacipran	
N06AX18	Reboxetine	
N06AX19	Gepirone	
N06AX21	Duloxetine	
N06AX22	Agomelatine	
N06AX23	Desvenlafaxine	
N06AX24	vilazodone	
N06AX25	Hyperici herba	*St Johns Wort
N06AX26	vortioxetine	
N06AX27	esketamine	
N06AX28	levomilnacipran	
N06AX29	brexanolone	

**ATC codes for anxiolytics**

ATC CODE FOR MEDICATION OR FIRST DRUG IN COMPOUND	MEDICATION	Notes
N05BA01	Diazepam	*=also used to treat seizures
N05BA02	Chlordiazepoxide	
N05BA03	Medazepam	
N05BA04	Oxazepam	
N05BA05	Potassium clorazepate	
N05BA06	Lorazepam	*=also used to treat seizures
N05BA07	Adinazolam	
N05BA08	Bromazepam	
N05BA09	Clobazam	*=also used to treat seizures
N05BA10	Ketazolam	
N05BA11	Prazepam	
N05BA12	Alprazolam	
N05BA13	Halazepam	
N05BA14	Pinazepam	
N05BA15	Camazepam	
N05BA16	Nordazepam	
N05BA17	Fludiazepam	
N05BA18	Ethyl loflazepate	
N05BA19	Etizolam	
N05BA21	Clotiazepam	
N05BA22	Cloxazolam	
N05BA23	Tofisopam	
N05BA56	Lorazepam, combinations	
N05BB01	Hydroxyzine	*Also used as Antihistamine
N05BB02	Captodiame	
N05BB51	Hydroxyzine, combinations	
N05BC01	Meprobamate	
N05BC03	Emylcamate	
N05BC04	Mebutamate	
N05BC51	Meprobamate, combinations	
N05BD01	Benzoctamine	
N05BE01	Buspirone	
N05BX01	Mephenoxalone	

## Appendix – Anxiolytic ATC codes

N05BX02	Gedocarnil	
N05BX03	Etifoxine	
N05BX04	fabomotizole	
N05BX05	Lavandulae aetheroleum	*Lavender



**ATC codes for hypnotics**

ATC CODE FOR MEDICATION OR FIRST DRUG IN COMPOUND	MEDICATION	Notes
N05CA01	Pentobarbital	
N05CA02	Amobarbital	
N05CA03	Butobarbital	
N05CA04	Barbital	
N05CA05	Aprobarbital	
N05CA06	Secobarbital	
N05CA07	Talbutal	
N05CA08	Vinylbital	
N05CA09	Vinbarbital	
N05CA10	Cyclobarbital	
N05CA11	Heptabarbital	
N05CA12	Reposal	
N05CA15	Methohexital	
N05CA16	Hexobarbital	
N05CA19	Thiopental	
N05CA20	Etallobarbital	
N05CA21	Allobarbital	
N05CA22	Proxibarbal	
N05CB01	Combinations of barbiturates	*also used for migraine
N05CB02	Barbiturates in combination with other drugs	*also used for migraine
N05CC01	Chloral hydrate	
N05CC02	Chloralodol	
N05CC03	Acetylglycinamide chloral hydrate	
N05CC04	Dichloralphenazone	
N05CC05	Paraldehyde	
N05CD01	Flurazepam	
N05CD02	Nitrazepam	
N05CD03	Flunitrazepam	
N05CD04	Estazolam	
N05CD05	Triazolam	
N05CD06	Lormetazepam	
N05CD07	Temazepam	
N05CD08	Midazolam	*=also used to treat seizures

## Appendix – Hypnotic ATC codes

N05CD09	Brotizolam	
N05CD10	Quazepam	
N05CD11	Loprazolam	
N05CD12	Doxefazepam	
N05CD13	Cinolazepam	
N05CD14	remimazolam	
N05CD15	nimetazepam	
N05CE01	Glutethimide	
N05CE02	Methypylon	
N05CE03	Pyrithyldione	
N05CF01	Zopiclone	
N05CF02	Zolpidem	
N05CF03	Zaleplon	
N05CF04	eszopiclone	
N05CH01	Melatonin	
N05CH02	ramelteon	
N05CH03	tasimelteon	
N05CM01	Methaqualone	
N05CM02	Clomethiazole	
N05CM03	Bromisoval	
N05CM04	Carbromal	
N05CM05	Scopolamine	*Also used for vertigo/Motion sickness
N05CM06	Propiomazine	
N05CM07	Triclofos	
N05CM08	Ethchlorvynol	
N05CM09	Valerian	
N05CM10	Hexapropymate	
N05CM11	Bromides	
N05CM12	Apronal	
N05CM13	Valnoctamide	
N05CM15	Methylpentynol	
N05CM16	Niaprazine	
N05CM17	Melatonin	
N05CM18	Dexmedetomidine	
N05CM19	suvorexant	
N05CM21	lemborexant	
N05CX01	Meprobamate, combinations	
N05CX02	Methaqualone, combinations	
N05CX03	Methylpentynol, combinations	

## Appendix – Hypnotic ATC codes

N05CX04	Clomethiazole, combinations	
N05CX05	Emepronium, combinations	
N05CX06	Dipiperonylaminoethanol, combinations	