Last Updated: February 2024

This dataset is created based on Gen 1 FHS participants' **self-reported** information from Exam 17 to Exam 32.

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
Anti- inflammation	Ν	N	Ν	N	N	N	N	N	Ν	N	N	N	N	N	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
NSAIDs	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Steroids	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ

# Inflammation Coding Manual Contents

# Last Updated: February 2024

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#### **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
0 3333	hange 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.

#### **ALL\_INFLAMMATION\_CORE17**

Variable name: all inflammation core17

Description: Interim history of all anti-inflammation medication use in exam 17

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FJ24 and FJ29 in core exam 17.

FJ24 33 INTERIM HISTORY OF MEDICINE USED:

**ANTIGOUT** 

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

FJ29 38 INTERIM HISTORY OF MEDICINE USED:

**STEROIDS** 

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### **ALL\_INFLAMMATION\_CORE18**

Variable name: all\_inflammation\_core18

Description: Interim history of all anti-inflammation medication use in exam 18

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FK104 and FK114 in core exam 18.

FK104 DRUG20 MEDICINE USE: ANTIGOUT

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (6)

FK114 DRUG25 MEDICINE USE: STEROIDS

0 NO

1 YES,NOW

2 YES, NOT NOW

3 MAYBE . UNKNOWN (6)

Refer to R code for more information.

#### **ALL\_INFLAMMATION\_CORE19**

Variable name: all inflammation core19

Description: Interim history of all anti-inflammation medication use in exam 19

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FL140, FL141, FL148, FL149 in core exam 19.

FL140 \* DRUG22 ANTIGOUT - URIC ACID LOWERING

(ALLOPURINOL, PROBENECID, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (8)

FL141 \* DRUG23 ANTIGOUT - COLCHICINE

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (7)

FL148 \* DRUG29 ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (8)

FL149 \* DRUG30 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (7)

Refer to R code for more information.

#### ALL\_INFLAMMATION\_CORE20

Variable name: all\_inflammation\_core20

Description: Interim history of all anti-inflammation medication use in exam 20

# Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FM178, FM179, FM186, and FM187 in core exam 20.

FM178 \* DRUG22 MEDICINE USE: ANTIGOUT - URIC ACID LOWERING

(ALLOPURINOL, PROBENECID, ETC.)

O NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

FM179 \* DRUG23 MEDICINE USE: ANTIGOUT - (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

FM186 \* DRUG29 MEDICINE USE: ORAL GLUCOCORTICOIDS
(PREDNISONE, CORTISONE, ETC.)
0 NO
1 YES, NOW
2 YES, NOT NOW
3 MAYBE
. UNKNOWN (1)

\* DRUG30 MEDICINE USE: NON-STEROIDAL ANTI-INFLAMMATORY
AGENTS (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN,
CLINORIL)
0 NO
1 YES, NOW
2 YES, NOT NOW
3 MAYBE
. UNKNOWN (3)

Refer to R code for more information.

#### ALL\_INFLAMMATION\_CORE21

Variable name: all inflammation core21

Description: Interim history of all anti-inflammation medication use in exam 21

# Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FN117, FN118, FN125, FN126 in core exam 21.

FN117 ANTIGOUT--URIC ACID LOWERING (ALLOPURINOL, PROBENECID, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FN118 ANTIGOUT (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FN125 ORAL GLUCOCORTICOIDS (PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FN126 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS (MOTRIN,

IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

Refer to R code for more information.

# ALL\_INFLAMMATION\_CORE22

Variable name: all\_inflammation\_core22

Description: Interim history of all anti-inflammation medication use in exam 22

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FO124, FO125, FO132, FO133, FO134 in core exam 22.

FO124 MEDICATION USE: ANTIGOUT--URIC ACID LOWERING

(ALLOPURINOL, PROBENECID, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

FO125 MEDICATION USE: ANTIGOUT (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FO132 MEDICATION USE: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FO133 MEDICATION USE: NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FO134 MEDICATION USE: IF TAKING NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS, DO YOU TAKE THEM EVERY DAY?

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (32)

Refer to R code for more information.

#### **ALL\_INFLAMMATION\_CORE23**

Variable name: all\_inflammation\_core23

Description: Interim history of all anti-inflammation medication use in exam 23

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FP078, FP079, FP086, FP087, FP088 in core exam 23.

```
FP078
          MEDICATION USE: ANTIGOUT--URIC ACID LOWERING
                  (ALLOPURINOL, PROBENECID ETC.)
               0 NO
               1 YES, NOW
               2 YES, NOT NOW
               3 MAYBE
               . UNKNOWN (2)
          MEDICATION USE: ANTIGOUT--(COLCHICINE)
FP079
               0 NO
               1 YES, NOW
               2 YES, NOT NOW
               3 MAYBE
               . UNKNOWN (2)
FP086
          MEDICATION USE: ORAL GLUCOCORTICOIDS
                         (PREDNISONE, CORTISONE, ETC.)
               0 NO
               1 YES, NOW
               2 YES, NOT NOW
               3 MAYBE
               . UNKNOWN (2)
FP087
          MEDICATION USE: NON-STEROIDAL ANTI-INFLAMMATORY AGENTS
                  (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)
               0 NO
               1 YES, NOW
               2 YES, NOT NOW
               3 MAYBE
               . UNKNOWN (3)
FP088
          MEDICATION USE: IF TAKING NON-STEROIDAL
           ANTI-INFLAMMATORY AGENTS,
           DO YOU TAKE THEM EVERY DAY?
               0 NO
               1 YES
               . UNKNOWN (19)
```

Refer to R code for more information.

#### **ALL INFLAMMATION CORE24**

Variable name: all\_inflammation\_core24

Description: Interim history of all anti-inflammation medication use in exam 24

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FQ163, FQ164, FQ171, FQ172 in core exam 24.

FQ163 MEDICATION USE - ANTIGOUT - URIC ACID LOWERING

(ALLOPURINOL, PROBENECID, ETC)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FQ164 MEDICATION USE - ANTIGOUT (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FQ171 MEDICATION USE - ORAL GLUCOCORTICOIDS (PREDNISONE,

CORTISONE, ETC)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FQ172 MEDICATION USE - NON-STERIODAL ANTI-INFLAMMATORY

AGENTS (NSAIDS) (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN,

CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

Refer to R code for more information.

#### **ALL\_INFLAMMATION\_CORE25**

Variable name: all inflammation core25

Description: Interim history of all anti-inflammation medication use in exam 25

# Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FR215, FR216, FR223, and FR224 in core exam 25.

FR215 OTHER MEDICATIONS - ANTIGOUT -- URIC ACID LOWERING

(ALLOPURINOL, PROBENECID, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

FR216 OTHER MEDICATIONS - ANTIGOUT - (COLCHICINE)

O NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

FR223 OTHER MEDICATIONS - ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC)

O NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

FR224 OTHER MEDICATIONS - NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

(NSAIDS)

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### **ALL\_INFLAMMATION\_CORE26**

Variable name: all inflammation core26

Description: Interim history of all anti-inflammation medication use in exam 26

Code or Value	Description
0	No anti-inflammation medication usage
1	Anti-inflammation medication usage

Did not attend exam/Unknown

Note: This variable was derived from FS274, FS275, FS291, FS292 in core exam 26.

FS274 NONCARDIOVASCULAR MEDICATIONS: ANTIGOUT - URIC ACID LOWERING (ALLOPURINOL, PROBENECID, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

FS275 NONCARDIOVASCULAR MEDICATIONS: ANTIGOUT

(COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

FS291 NONCARDIOVASCULAR MEDICATIONS: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

FS292 NONCARDIOVASCULAR MEDICATIONS: NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS (NSAIDS)

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

- 1 YES, NOW
- 2 YES, NOT NOW
- 3 MAYBE
- . UNKNOWN (2)

Refer to R code for more information.

#### **ALL INFLAMMATION CORE27**

Variable name: all inflammation core27

Description: Interim history of all anti-inflammation medication use in exam 27

# Code or Value Description No anti-inflammation medication usage

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FT281, FT282, FT298, FT299 in core exam 27.

FT281 NONCARDIOVASCULAR MEDICATIONS: ANTIGOUT - URIC ACID LOWERING (ALLOPURINOL, PROBENECID, ETC.)

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

FT282 NONCARDIOVASCULAR MEDICATIONS: ANTIGOUT

(COLCHICINE)

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

FT298 NONCARDIOVASCULAR MEDICATIONS: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

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

FT299 NONCARDIOVASCULAR MEDICATIONS: NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS (NSAIDS)

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN

Refer to R code for more information.

#### **ALL\_INFLAMMATION\_CORE28**

Variable name: all\_inflammation\_core28

Description: Interim history of all anti-inflammation medication use in exam 28

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

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

#### **ALL INFLAMMATION CORE29**

Variable name: all inflammation core29

Description: Interim history of all anti-inflammation medication use in exam 29

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

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

#### **ALL INFLAMMATION CORE30**

Variable name: all inflammation core30

Description: Interim history of all anti-inflammation medication use in exam 30

Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

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

#### ALL\_INFLAMMATION\_CORE31

Variable name: all inflammation core31

Description: Interim history of all anti-inflammation medication use in exam 31

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

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

#### ALL\_INFLAMMATION\_CORE32

Variable name: all\_inflammation\_core32

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

#### Code or Value Description

0	No anti-inflammation medication usage
1	Anti-inflammation medication usage
	Did not attend exam/Unknown

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

#### **NSAIDS\_CORE19**

Variable name: nsaid core19

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 19

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

**Note:** This variable was derived from FL149 in core exam 19.

\* DRUG30 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (7)

Refer to R code for more information.

#### NSAIDS\_CORE20

Variable name: nsaids core20

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 20

# Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

**Note:** This variable was derived from FM187 in core exam 20.

FM187 \* DRUG30 MEDICINE USE: NON-STEROIDAL ANTI-INFLAMMATORY

AGENTS (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN,

CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (3)

Refer to R code for more information.

#### **NSAIDS CORE21**

Variable name: nsaids core21

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 21

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FN126 in core exam 21.

FN126 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS (MOTRIN,

IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

Refer to R code for more information.

#### NSAIDS\_CORE22

Variable name: nsaids core22

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 22

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FO133, and FO134 in core exam 22.

FO133 MEDICATION USE: NON-STEROIDAL ANTI-INFLAMMATORY AGENTS (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

FO134 MEDICATION USE: IF TAKING NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS, DO YOU TAKE THEM EVERY DAY?

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (32)

Refer to R code for more information.

#### NSAIDS\_CORE23

Variable name: nsaids\_core23

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 23

# Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FP087 and FP088 in core exam 23.

FP087 MEDICATION USE: NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (3)

FP088 MEDICATION USE: IF TAKING NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS, DO YOU TAKE THEM EVERY DAY?

0 NO

1 YES

. UNKNOWN (19)

Refer to R code for more information.

#### **NSAIDS CORE24**

Variable name: nsaids core24

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 25

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

Note: This variable was derived from FQ172 in core exam 24.

FQ172 MEDICATION USE - NON-STERIODAL ANTI-INFLAMMATORY

AGENTS (NSAIDS) (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN,

CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

Refer to R code for more information.

#### **NSAIDS CORE25**

Variable name: nsaids core25

**Description:** Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 25

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FR224 in core exam 25.

FR224 OTHER MEDICATIONS - NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

(NSAIDS)

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### **ALL INFLAMMATION CORE26**

Variable name: all\_inflammation\_core26

Description: Interim history of all anti-inflammation medication use in exam 26

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FS292 in core exam 26.

FS292 NONCARDIOVASCULAR MEDICATIONS: NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS (NSAIDS)

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### **ALL INFLAMMATION CORE27**

Variable name: all inflammation core27

Description: Interim history of all anti-inflammation medication use in exam 27

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FT299 in core exam 27.

FT299 NONCARDIOVASCULAR MEDICATIONS: NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS (NSAIDS)

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN

Refer to R code for more information.

#### **NSAIDS\_CORE28**

Variable name: nsaids\_core28

**Description:** Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 28

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

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

#### **NSAIDS CORE29**

Variable name: nsaids core29

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 29

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

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

#### **NSAIDS CORE30**

Variable name: nsaids\_core30

**Description:** Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in exam 31

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

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

#### NSAIDS\_CORE31

Variable name: nsaids\_core31

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 31

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

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

#### **NSAIDS CORE32**

Variable name: nsaids core32

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in

exam 32

#### Code or Value Description

0	No NSAID medication usage
1	NSAID medication usage
	Did not attend exam/Unknown

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

#### STEROIDS\_CORE17

Variable name: steroids core17

Description: Interim history of steroid (glucocorticoid) medication use in exam 17

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FJ29 in core exam 17.

FJ29 38 INTERIM HISTORY OF MEDICINE USED:

**STEROIDS** 

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### STEROIDS\_CORE18

Variable name: steroids core178

Description: Interim history of steroid (glucocorticoid) medication use in exam 18

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

**Note:** This variable was derived from FK114 in core exam 18.

FK114 DRUG25 MEDICINE USE: STEROIDS

0 NO

1 YES,NOW

2 YES, NOT NOW

3 MAYBE . UNKNOWN (6)

Refer to R code for more information.

#### STEROIDS CORE19

#### **Steroid Medication Variables**

Variable name: steroids core19

**Description:** Interim history of steroid (glucocorticoid) medication use in exam 19

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FL148 in core exam 19.

FL148 \* DRUG29 ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (8)

Refer to R code for more information.

#### STEROIDS\_CORE20

Variable name: steroids core20

Description: Interim history of steroid (glucocorticoid) medication use in exam 20

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FM186 in core exam 20.

FM186 \* DRUG29 MEDICINE USE: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

Refer to R code for more information.

#### STEROIDS CORE21

#### **Steroid Medication Variables**

Variable name: steroids core21

**Description:** Interim history of steroid (glucocorticoid) medication use in exam 21

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FN125 in core exam 21.

FN125 ORAL GLUCOCORTICOIDS (PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

Refer to R code for more information.

#### STEROIDS\_CORE22

Variable name: steroids core22

**Description:** Interim history of steroid (glucocorticoid) medication use in exam 22

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FO132 in core exam 22.

FO132 MEDICATION USE: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

Refer to R code for more information.

#### STEROIDS CORE23

Variable name: steroids core23

Description: Interim history of steroid (glucocorticoid) medication use in exam 23

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FP086 in core exam 23.

FP086 MEDICATION USE: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### STEROIDS CORE24

Variable name: steroids core24

Description: Interim history of steroid (glucocorticoid) medication use in exam 24

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FQ171 in core exam 24.

FQ171 MEDICATION USE - ORAL GLUCOCORTICOIDS (PREDNISONE,

CORTISONE, ETC)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (0)

Refer to R code for more information.

#### STEROIDS\_CORE25

Variable name: steroids core25

Description: Interim history of steroid (glucocorticoid) medication use in exam 25

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FR223 in core exam 25.

FR223 OTHER MEDICATIONS - ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### STEROIDS CORE26

Variable name: steroids core26

Description: Interim history of steroid (glucocorticoid) medication use in exam 26

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FS291 in core exam 26.

FS291 NONCARDIOVASCULAR MEDICATIONS: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

#### STEROIDS\_CORE27

Variable name: steroids core27

Description: Interim history of steroid (glucocorticoid) medication use in exam 27

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

Note: This variable was derived from FT298 in core exam 27.

FT298 NONCARDIOVASCULAR MEDICATIONS: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN

Refer to R code for more information.

#### STEROIDS CORE28

Variable name: steroids core28

Description: Interim history of steroid (glucocorticoid) medication use in exam 28

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

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

#### STEROIDS\_CORE29

Variable name: steroids core29

Description: Interim history of steroid (glucocorticoid) medication use in exam 29

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

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

#### STEROIDS\_CORE30

Variable name: steroids core30

Description: Interim history of steroid (glucocorticoid) medication use in exam 30

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

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

#### STEROIDS\_CORE31

Variable name: steroids\_core31

Description: Interim history of steroid (glucocorticoid) medication use in exam 31

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

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

#### **STEROIDS CORE32**

Variable name: steroids\_core32

Description: Interim history of steroid (glucocorticoid) medication use in exam 32

#### Code or Value Description

0	No steroid medication usage
1	Steroid medication usage
	Did not attend exam/Unknown

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

# ATC codes for all anti-inflammation drugs

ATC CODE FOR MEDICATION	MEDICATION
J01AA08	Minocycline
P01BA01	Chloroquine
P01BA02	Hydroxychloroquine
P01AX05	Mepacrine
A07EC01	Sulfasalazine
L01AA01	Cyclophosphamide
N02BA02	Aloxiprin
N02BA03	Choline salicylate
N02BA04	Sodium salicylate
N02BA05	Salicylamide
N02BA06	Salsalate
N02BA07	Ethenzamide
N02BA08	Morpholine salicylate
N02BA09	Dipyrocetyl
N02BA10	Benorilate
N02BA11	Diflunisal
N02BA12	Potassium salicylate
N02BA14	Guacetisal
N02BA15	Carbasalate calcium
N02BA16	Imidazole salicylate
N02BA51	Acetylsalicylic acid, combinations excl. psycholeptics
N02BA55	Salicylamide, combinations excl. psycholeptics
N02BA57	Ethenzamide, combinations excl. psycholeptics
N02BA59	Dipyrocetyl, combinations excl. psycholeptics
N02BA65	Carbasalate calcium combinations excl. psycholeptics
N02BA71	Acetylsalicylic acid, combinations with psycholeptics
N02BA75	Salicylamide, combinations with psycholeptics
N02BA77	Ethenzamide, combinations with psycholeptics
N02BA79	Dipyrocetyl, combinations with psycholeptics
M01AA01	Phenylbutazone
M01AA02	Mofebutazone
M01AA03	Oxyphenbutazone
M01AA05	Clofezone
M01AA06	Kebuzone
M01AB01	Indometacin

M01AB02	Sulindac
M01AB03	Tolmetin
M01AB04	Zomepirac
M01AB05	Diclofenac
M01AB06	Alclofenac
M01AB07	Bumadizone
M01AB08	Etodolac
M01AB09	Lonazolac
M01AB10	Fentiazac
M01AB11	Acemetacin
M01AB12	Difenpiramide
M01AB13	Oxametacin
M01AB14	Proglumetacin
M01AB15	Ketorolac
M01AB16	Aceclofenac
M01AB17	Bufexamac
M01AB51	Indometacin, combinations
M01AB55	Diclofenac, combinations
M01AC01	Piroxicam
M01AC02	Tenoxicam
M01AC04	Droxicam
M01AC05	Lornoxicam
M01AC06	Meloxicam
M01AC56	Meloxicam, combinations
M01AE01	Ibuprofen
M01AE02	Naproxen
M01AE03	Ketoprofen
M01AE04	Fenoprofen
M01AE05	Fenbufen
M01AE06	Benoxaprofen
M01AE07	Suprofen
M01AE08	Pirprofen
M01AE09	Flurbiprofen
M01AE10	Indoprofen
M01AE11	Tiaprofenic acid
M01AE12	Oxaprozin
M01AE13	Ibuproxam
M01AE14	Dexibuprofen
M01AE15	Flunoxaprofen

M01AE16	Alminoprofen
M01AE17	Dexketoprofen
M01AE18	naproxcinod
M01AE51	Ibuprofen, combinations
M01AE52	naproxen and esomeprazole
M01AE53	Ketoprofen, combinations
M01AE56M01A	naproxen and misoprostol
M01AG01	Mefenamic acid
M01AG02	Tolfenamic acid
M01AG03	Flufenamic acid
M01AG04	Meclofenamic acid
M01AH01	Celecoxib
M01AH02	Rofecoxib
M01AH03	Valdecoxib
M01AH04	Parecoxib
M01AH05	Etoricoxib
M01AH06	Lumiracoxib
M01AH07	polmacoxib
M01AX01	Nabumetone
M01AX02	Niflumic acid
M01AX04	Azapropazone
M01AX05	Glucosamine
M01AX07	Benzydamine
M01AX12	Glucosaminoglycan polysulfate
M01AX13	Proquazone
M01AX14	Orgotein
M01AX17	Nimesulide
M01AX18	Feprazone
M01AX21	Diacerein
M01AX22	Morniflumate
M01AX23	Tenidap
M01AX24	Oxaceprol
M01AX25	Chondroitin sulfate
M01AX26	avacado and soybean oil, unsaponifiables
M01AX68	Feprazone, combinations
M01BA01	Phenylbutazone and corticosteroids
M01BA02	Dipyrocetyl and corticosteroids
M01BA03	Acetylsalicylic acid and corticosteroids
M01CA03	Oxycinchophen

M01CB01	Sodium aurothiomalate
M01CB02	Sodium aurotiosulfate
M01CB03	Auranofin
M01CB04	Aurothioglucose
M01CB05	Aurotioprol
M01CC01	Penicillamine
M01CC02	Bucillamine
M02AA01	Phenylbutazone
M02AA02	Mofebutazone
M02AA03	Clofezone
M02AA04	Oxyphenbutazone
M02AA05	Benzydamine
M02AA06	Etofenamate
M02AA07	Piroxicam
M02AA08	Felbinac
M02AA09	Bufexamac
M02AA10	Ketoprofen
M02AA11	Bendazac
M02AA12	Naproxen
M02AA13	Ibuprofen
M02AA14	Fentiazac
M02AA15	Diclofenac
M02AA16	Feprazone
M02AA17	Niflumic acid
M02AA18	Meclofenamic acid
M02AA19	Flurbiprofen
M02AA21	Tolmetin
M02AA22	Suxibuzone
M02AA23	Indometacin
M02AA24	Nifenazone
M02AA25	Aceclofenac
M02AA26	nimesulide
M02AA27	dexketoprofen
M02AA28	piketoprofen
M02AA29	esflurbiprofen
M02AA31	loxoprofen
L04AA	Selective immunosuppressive agents
L04AA02	Muromonab-CD3
L04AA03	Antilymphocyte immunoglobulin (horse)

L04AA04	Antithymocyte immunoglobulin (rabbit)
L04AA06	Mycophenolic acid
L04AA10	Sirolimus
L04AA13	Leflunomide
L04AA15	Alefacept
L04AA18	Everolimus
L04AA19	Gusperimus
L04AA21	Efalizumab
L04AA22	Abetimus
L04AA23	Natalizumab
L04AA24	Abatacept
L04AA25	eculizumab
L04AA26	belimumab
L04AA27	fingolimod
L04AA28	belatacept
L04AA29	tofacitinib
L04AA31	terifluomide
L04AA32	apremilast
L04AA33	vedolizumab
L04AA34	alemtuzumab
L04AA35	begelomab
L04AA36	ocrelizumab
L04AA37	baricitinib
L04AA38	ozanimod
L04AA39	emapalumab
L04AA40	cladribine
L04AA41	imlifidase
L04AA42	siponimod
L04AA43	ravulizumab
L04AA44	upadacitinib
L04AA45	filgotinib
L04AA46	itacitinib
L04AA47	inebilizumab
L04AA48	belumosudil
L04AA49	peficitinib
L04AA50	ponesimod
L04AA51	anifrolumab
L04AA52	ofatunumab
L04AA53	teprotumumab

L04AA54         pegcetacoplan           L04AA55         sutimlimab           L04AA56         deucravacitinib           L04AA57         ublituximab           L04AA58         efgartigimof alfa           L04AA59         avacopan           L04AB0         Tumor Necrosis factor alfa (TNF) Inhibitors           L04AB01         etanercept           L04AB02         infliximab           L04AB03         afelimomab           L04AB04         adalimomab           L04AB05         certolizumab pegol           L04AB06         golimumab           L04AB07         opinercept           L04AC0         Interleukin Inhibitors           L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC06         canakinumab           L04AC07         tocilizumab           L04AC08         canakinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15		
L04AA56         deucravacitinib           L04AA57         ublituximab           L04AA58         efgartigimof alfa           L04AA59         avacopan           L04AB01         etanercept           L04AB02         infliximab           L04AB03         afelimomab           L04AB04         adalimumab           L04AB05         certolizumab pegol           L04AB06         golimumab           L04AB07         opinercept           L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC06         ustekinumab           L04AC07         tocilizumab           L04AC08         canakinumab           L04AC10         seculinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15         sirukumab           L04AC16         guselkumab           L04AC17         tildrakizumab           L04AC18         risankizumab	L04AA54	pegcetacoplan
L04AA57 ublituximab  L04AA58 efgartigimof alfa  L04AA59 avacopan  L04AB Tumor Necrosis factor alfa (TNF) Inhibitors  L04AB01 etanercept  L04AB02 infliximab  L04AB03 afelimomab  L04AB04 adalimumab  L04AB05 certolizumab pegol  L04AB06 golimumab  L04AB06 golimumab  L04AB07 opinercept  L04AC01 daclizumab  L04AC02 basiliximab  L04AC03 anakinra  L04AC03 ustekinumab  L04AC04 rilonacept  L04AC05 ustekinumab  L04AC07 tocilizumab  L04AC08 canakinumab  L04AC08 caseulinumab  L04AC09 briakinumab  L04AC10 seculinumab  L04AC11 siltuximab  L04AC12 brodalumab  L04AC13 ixekizumab  L04AC13 ixekizumab  L04AC14 sarilumab  L04AC15 siriukumab  L04AC15 siriukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC19 satralizumab  L04AC10 seculinumab  L04AC11 bridakizumab  L04AC12 brodalumab  L04AC13 ixekizumab  L04AC14 sarilumab  L04AC15 siriukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AC23 olokizumab  L04AC23 olokizumab  L04AC30 C4Closporin  L04AD01 Cyclosporin  L04AD01  L04AD02 tacrolimus	L04AA55	sutimlimab
L04AA58 efgartigimof alfa L04AA59 avacopan  L04AB Tumor Necrosis factor alfa (TNF) Inhibitors L04AB01 etanercept L04AB02 infliximab L04AB03 afelimomab L04AB04 adalimumab L04AB05 certolizumab pegol L04AB06 golimumab L04AB07 opinercept L04AC01 Interleukin Inhibitors L04AC02 basiliximab L04AC02 basiliximab L04AC03 anakinra L04AC04 rilonacept L04AC05 ustekinumab L04AC05 ustekinumab L04AC06 canakinumab L04AC07 tocilizumab L04AC08 canakinumab L04AC10 seculinumab L04AC10 seculinumab L04AC11 siltuximab L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC15 sirukumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC19 satralizumab L04AC19 satralizumab L04AC19 seculinumab L04AC11 sildrakizumab L04AC12 spesolimab L04AC13 spesolimab L04AC14 sarilumab L04AC15 sirukumab L04AC15 sirukumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC20 netakimab L04AC21 bimekizumab L04AC21 spesolimab L04AC22 spesolimab L04AC23 olokizumab L04AC30 olokizumab L04AC30 olokizumab L04AC30 olokizumab L04AC30 cyclosporin L04AD01 cyclosporin L04AD01 cyclosporin	L04AA56	deucravacitinib
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L04AB02         infliximab           L04AB03         afelimomab           L04AB04         adalimumab           L04AB05         certolizumab pegol           L04AB06         golimumab           L04AB07         opinercept           L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC07         tocilizumab           L04AC08         canakinumab           L04AC09         briakinumab           L04AC10         seculinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15         sirukumab           L04AC16         guselkumab           L04AC17         tildrakizumab           L04AC18         risankizumab           L04AC20         netakimab           L04AC21         bimekizumab           L04AC22         spesolimab           L04AC23         olokizumab           L04AC23         olokizumab	L04AB	Tumor Necrosis factor alfa (TNF) Inhibitors
L04AB03 afelimomab L04AB04 adalimumab L04AB05 certolizumab pegol L04AB06 golimumab L04AB07 opinercept L04AC Interleukin Inhibitors L04AC01 daclizumab L04AC02 basiliximab L04AC03 anakinra L04AC04 rilonacept L04AC05 ustekinumab L04AC07 tocilizumab L04AC07 tocilizumab L04AC09 briakinumab L04AC09 briakinumab L04AC10 seculinumab L04AC11 siltuximab L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC16 guselkumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC19 satralizumab L04AC10 seculinumab L04AC11 siltuximab L04AC12 sirukumab L04AC13 sirukumab L04AC14 sarilumab L04AC15 sirukumab L04AC16 guselkumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC21 bimekizumab L04AC22 spesolimab L04AC23 olokizumab L04AC23 olokizumab L04AC04 Calcineurin inhibitors L04AD01 cyclosporin L04AD01 cyclosporin	L04AB01	etanercept
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L04AB05         certolizumab pegol           L04AB06         golimumab           L04AB07         opinercept           L04AC         Interleukin Inhibitors           L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC07         tocilizumab           L04AC08         canakinumab           L04AC09         briakinumab           L04AC10         seculinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15         sirukumab           L04AC16         guselkumab           L04AC17         tildrakizumab           L04AC18         risankizumab           L04AC20         netakimab           L04AC21         bimekizumab           L04AC22         spesolimab           L04AC23         olokizumab           L04AD01         cyclosporin           L04AD02         tacrolimus	L04AB03	afelimomab
L04AB06         golimumab           L04AC         Interleukin Inhibitors           L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC07         tocilizumab           L04AC08         canakinumab           L04AC09         briakinumab           L04AC10         seculinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15         sirukumab           L04AC16         guselkumab           L04AC17         tildrakizumab           L04AC18         risankizumab           L04AC19         satralizumab           L04AC20         netakimab           L04AC21         bimekizumab           L04AC22         spesolimab           L04AD         Calcineurin inhibitors           L04AD01         cyclosporin           L04AD02         tacrolimus	L04AB04	adalimumab
L04AC         Interleukin Inhibitors           L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC07         tocilizumab           L04AC08         canakinumab           L04AC09         briakinumab           L04AC10         seculinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15         sirukumab           L04AC16         guselkumab           L04AC17         tildrakizumab           L04AC18         risankizumab           L04AC20         netakimab           L04AC21         bimekizumab           L04AC22         spesolimab           L04AC23         olokizumab           L04AD         Calcineurin inhibitors           L04AD01         cyclosporin           L04AD02         tacrolimus	L04AB05	certolizumab pegol
L04AC         Interleukin Inhibitors           L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC07         tocilizumab           L04AC08         canakinumab           L04AC09         briakinumab           L04AC10         seculinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15         sirukumab           L04AC16         guselkumab           L04AC17         tildrakizumab           L04AC18         risankizumab           L04AC20         netakimab           L04AC21         bimekizumab           L04AC22         spesolimab           L04AC23         olokizumab           L04AD         Calcineurin inhibitors           L04AD01         cyclosporin           L04AD02         tacrolimus	L04AB06	golimumab
L04AC01         daclizumab           L04AC02         basiliximab           L04AC03         anakinra           L04AC04         rilonacept           L04AC05         ustekinumab           L04AC08         canakinumab           L04AC09         briakinumab           L04AC10         seculinumab           L04AC11         siltuximab           L04AC12         brodalumab           L04AC13         ixekizumab           L04AC14         sarilumab           L04AC15         sirukumab           L04AC16         guselkumab           L04AC17         tildrakizumab           L04AC18         risankizumab           L04AC20         netakimab           L04AC21         bimekizumab           L04AC22         spesolimab           L04AC23         olokizumab           L04AD         Calcineurin inhibitors           L04AD01         cyclosporin           L04AD02         tacrolimus	L04AB07	opinercept
L04AC02basiliximabL04AC03anakinraL04AC04rilonaceptL04AC05ustekinumabL04AC07tocilizumabL04AC08canakinumabL04AC09briakinumabL04AC10seculinumabL04AC11siltuximabL04AC12brodalumabL04AC13ixekizumabL04AC14sarilumabL04AC15sirukumabL04AC16guselkumabL04AC17tildrakizumabL04AC18risankizumabL04AC19satralizumabL04AC20netakimabL04AC21bimekizumabL04AC22spesolimabL04AC23olokizumabL04AD01cyclosporinL04AD02tacrolimus	L04AC	Interleukin Inhibitors
L04AC03 anakinra L04AC04 rilonacept L04AC05 ustekinumab L04AC07 tocilizumab L04AC08 canakinumab L04AC09 briakinumab L04AC10 seculinumab L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC17 tildrakizumab L04AC19 satralizumab L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC21 bimekizumab L04AC22 spesolimab L04AC23 olokizumab L04AD01 cyclosporin L04AD01 tocilizumas	L04AC01	daclizumab
L04AC04 rilonacept L04AC05 ustekinumab L04AC07 tocilizumab L04AC08 canakinumab L04AC09 briakinumab L04AC10 seculinumab L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC16 guselkumab L04AC16 risankizumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC19 satralizumab L04AC20 netakimab L04AC20 spesolimab L04AC21 bimekizumab L04AC23 olokizumab L04AC23 olokizumab L04AD01 cyclosporin L04AD01 tacrolimus	L04AC02	basiliximab
L04AC05 ustekinumab  L04AC08 canakinumab  L04AC09 briakinumab  L04AC10 seculinumab  L04AC11 siltuximab  L04AC12 brodalumab  L04AC13 ixekizumab  L04AC14 sarilumab  L04AC15 sirukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AC23 cyclosporin  L04AD01 cyclosporin  L04AD02 tacrolimus	L04AC03	anakinra
L04AC07 tocilizumab  L04AC08 canakinumab  L04AC09 briakinumab  L04AC10 seculinumab  L04AC11 siltuximab  L04AC12 brodalumab  L04AC13 ixekizumab  L04AC14 sarilumab  L04AC15 sirukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AC0 Calcineurin inhibitors  L04AD0 tacrolimus	L04AC04	rilonacept
L04AC09 briakinumab L04AC10 seculinumab L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC21 cyclosporin L04AC23 clockizumab L04AC00 cyclosporin L04AD01 cyclosporin	L04AC05	ustekinumab
L04AC10 seculinumab  L04AC11 siltuximab  L04AC12 brodalumab  L04AC13 ixekizumab  L04AC14 sarilumab  L04AC15 sirukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC21 spesolimab  L04AC23 olokizumab  L04AC23 cyclosporin  L04AD01 cyclosporin  L04AD02 tacrolimus	L04AC07	tocilizumab
L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC21 colorianab L04AC23 olokizumab L04AC23 tolokizumab L04AC20 tolokizumab L04AC20 tolokizumab L04AC21 tolokizumab L04AC21 tolokizumab L04AC22 tolokizumab L04AC23 tolokizumab L04AC23 tolokizumab L04AC24 tolokizumab L04AC25 tolokizumab L04AC26 tolokizumab L04AC27 tolokizumab L04AC28 tolokizumab L04AC29 tolokizumab L04AC29 tolokizumab L04AC29 tolokizumab L04AC29 tolokizumab L04AC20 tolokizumab L04AC20 tolokizumab	L04AC08	canakinumab
L04AC12 brodalumab  L04AC13 ixekizumab  L04AC14 sarilumab  L04AC15 sirukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC21 cyclosporin  L04AD01 cyclosporin  L04AD02 tacrolimus	L04AC09	briakinumab
L04AC12 brodalumab  L04AC13 ixekizumab  L04AC14 sarilumab  L04AC15 sirukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC21 spesolimab  L04AC23 olokizumab  L04AD Calcineurin inhibitors  L04AD01 tacrolimus	L04AC10	seculinumab
L04AC14 sarilumab  L04AC15 sirukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04ADD Calcineurin inhibitors  L04AD01 tacrolimus	L04AC11	siltuximab
L04AC15 sirukumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC21 spesolimab L04AC22 spesolimab L04AC23 olokizumab L04AD Calcineurin inhibitors L04AD01 tacrolimus	L04AC12	brodalumab
L04AC15 sirukumab  L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AD Calcineurin inhibitors  L04AD01 cyclosporin  L04AD02 tacrolimus	L04AC13	ixekizumab
L04AC16 guselkumab  L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AC23 olokizumab  L04AD Calcineurin inhibitors  L04AD01 cyclosporin  L04AD02 tacrolimus	L04AC14	sarilumab
L04AC17 tildrakizumab  L04AC18 risankizumab  L04AC19 satralizumab  L04AC20 netakimab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AC O Calcineurin inhibitors  L04AC O Calcineurin inhibitors  L04AC O Calcineurin inhibitors  L04AC O Calcineurin inhibitors	L04AC15	sirukumab
L04AC18 risankizumab L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC22 spesolimab L04AC23 olokizumab L04AC23 colokizumab L04AD Calcineurin inhibitors L04AD01 cyclosporin L04AD02 tacrolimus	L04AC16	9
L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC22 spesolimab L04AC23 olokizumab L04AD Calcineurin inhibitors L04AD01 cyclosporin L04AD02 tacrolimus	L04AC17	tildrakizumab
L04AC20 netakimab  L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AD Calcineurin inhibitors  L04AD01 cyclosporin  L04AD02 tacrolimus		
L04AC21 bimekizumab  L04AC22 spesolimab  L04AC23 olokizumab  L04AD Calcineurin inhibitors  L04AD01 cyclosporin  L04AD02 tacrolimus		
L04AC22 spesolimab L04AC23 olokizumab L04AD Calcineurin inhibitors L04AD01 cyclosporin L04AD02 tacrolimus		
L04AC23 olokizumab  L04AD Calcineurin inhibitors  L04AD01 cyclosporin  L04AD02 tacrolimus		
L04ADCalcineurin inhibitorsL04AD01cyclosporinL04AD02tacrolimus		'
L04AD01 cyclosporin L04AD02 tacrolimus		
L04AD02 tacrolimus		
L04AD03 voclosporin		
	L04AD03	voclosporin

L01BA	Folic Acid Analogues
L01BA01	methotrexate
L01BA03	raltitrexed
L01BA04	pemetrexed
L01BA05	pralatrexate
L04AX	Other immunosuppressive agents
L04AX01	Azathioprine
L04AX02	Thalidomide
L04AX03	Methotrexate
L04AX04	Lenalidomide
L04AX05	pirfenidone
L04AX06	pomalidomide
L04AX07	dimethyl fumarate
L04AX08	darvadstrrocel
L04AX09	diroximel fumartae
A07EC	Aminosalicylic acid and similar agents
A07EC01	Sulfasalazine
A07EC02	Mesalazine
A07EC03	Olsalazine
A07EC04	Balsalazide
H02AB	Glucocorticoids
H02AB01	Betamethasone
H02AB02	Dexamethasone
H02AB03	Fluocortolone
H02AB04	Methylprednisolone
H02AB05	Paramethasone
H02AB06	Prednisolone
H02AB07	Prednisone
H02AB08	Triamcinolone
H02AB09	Hydrocortisone
H02AB10	Cortisone
H02AB11	Prednylidene
H02AB12	Rimexolone
H02AB13	Deflazacort
H02AB14	Cloprednol
H02AB15	Meprednisone
H02AB17	Cortivazol
H02BX01	Methylprednisolone, combinations
M04AA	Preparations inhibiting uric acid production

# Appendix – ATC Codes

M04AA01	Allopurinol
M04AA02	Tisopurine
M04AA03	Febuxostat
M04AA51	Allopurinol, combinations
M04AB	Preparations increasing uric acid excretion
M04AB01	Probenecid
M04AB02	Sulfinpyrazone
M04AB03	Benzbromarone
M04AB04	Isobromindione
M04AB05	lesinurad
M04AC	Preparations with no effect on uric acid metabolism
M04AC01	Colchicine
M04AC02	Cinchophen
M04AX	Other antigout preparations
M04AX01	Urate oxidase
M04AX02	pegloticase

# ATC codes for NSAIDs

ATC Code	Medication
M01AA01	Phenylbutazone
M01AA02	Mofebutazone
M01AA03	Oxyphenbutazone
M01AA05	Clofezone
M01AA06	Kebuzone
M01AB01	Indometacin
M01AB02	Sulindac
M01AB03	Tolmetin
M01AB04	Zomepirac
M01AB05	Diclofenac
M01AB06	Alclofenac
M01AB07	Bumadizone
M01AB08	Etodolac
M01AB09	Lonazolac
M01AB10	Fentiazac
M01AB11	Acemetacin
M01AB12	Difenpiramide
M01AB13	Oxametacin
M01AB14	Proglumetacin
M01AB15	Ketorolac
M01AB16	Aceclofenac
M01AB17	Bufexamac
M01AB51	Indometacin, combinations
M01AB55	Diclofenac, combinations
M01AC01	Piroxicam
M01AC02	Tenoxicam
M01AC04	Droxicam
M01AC05	Lornoxicam
M01AC06	Meloxicam
M01AC56	Meloxicam, combinations
M01AE01	Ibuprofen
M01AE02	Naproxen
M01AE03	Ketoprofen
M01AE04	Fenoprofen
M01AE05	Fenbufen
M01AE06	Benoxaprofen

M01AE07	Suprofen
M01AE08	Pirprofen
M01AE09	Flurbiprofen
M01AE10	Indoprofen
M01AE11	Tiaprofenic acid
M01AE12	Oxaprozin
M01AE13	Ibuproxam
M01AE14	Dexibuprofen
M01AE15	Flunoxaprofen
M01AE16	Alminoprofen
M01AE17	Dexketoprofen
M01AE18	naproxcinod
M01AE51	Ibuprofen, combinations
M01AE52	naproxen and esomeprazole
M01AE53	Ketoprofen, combinations
M01AE56M01A	naproxen and misoprostol
M01AG01	Mefenamic acid
M01AG02	Tolfenamic acid
M01AG03	Flufenamic acid
M01AG04	Meclofenamic acid
M01AH01	Celecoxib
M01AH02	Rofecoxib
M01AH03	Valdecoxib
M01AH04	Parecoxib
M01AH05	Etoricoxib
M01AH06	Lumiracoxib
M01AH07	polmacoxib
M01AX01	Nabumetone
M01AX02	Niflumic acid
M01AX04	Azapropazone
M01AX05	Glucosamine
M01AX07	Benzydamine
M01AX12	Glucosaminoglycan polysulfate
M01AX13	Proquazone
M01AX14	Orgotein
M01AX17	Nimesulide
M01AX18	Feprazone
M01AX21	Diacerein
M01AX22	Morniflumate

M01AX23	Tenidap
M01AX24	Oxaceprol
M01AX25	Chondroitin sulfate
M01AX26	avacado and soybean oil, unsaponifiables
M01AX68	Feprazone, combinations
M01BA01	Phenylbutazone and corticosteroids
M01BA02	Dipyrocetyl and corticosteroids
M01BA03	Acetylsalicylic acid and corticosteroids
M01CA03	Oxycinchophen
M01CB01	Sodium aurothiomalate
M01CB02	Sodium aurotiosulfate
M01CB03	Auranofin
M01CB04	Aurothioglucose
M01CB05	Aurotioprol
M01CC01	Penicillamine
M01CC02	Bucillamine
M02AA01	Phenylbutazone
M02AA02	Mofebutazone
M02AA03	Clofezone
M02AA04	Oxyphenbutazone
M02AA05	Benzydamine
M02AA06	Etofenamate
M02AA07	Piroxicam
M02AA08	Felbinac
M02AA09	Bufexamac
M02AA10	Ketoprofen
M02AA11	Bendazac
M02AA12	Naproxen
M02AA13	Ibuprofen
M02AA14	Fentiazac
M02AA15	Diclofenac
M02AA16	Feprazone
M02AA17	Niflumic acid
M02AA18	Meclofenamic acid
M02AA19	Flurbiprofen
M02AA21	Tolmetin
M02AA22	Suxibuzone
M02AA23	Indometacin
M02AA24	Nifenazone

# Appendix – ATC Codes

M02AA25	Aceclofenac
M02AA26	nimesulide
M02AA27	dexketoprofen
M02AA28	piketoprofen
M02AA29	esflurbiprofen
M02AA31	loxoprofen

# ATC codes for steroids (glucocorticoids)

H02AB	Glucocorticoids
H02AB01	Betamethasone
H02AB02	Dexamethasone
H02AB03	Fluocortolone
H02AB04	Methylprednisolone
H02AB05	Paramethasone
H02AB06	Prednisolone
H02AB07	Prednisone
H02AB08	Triamcinolone
H02AB09	Hydrocortisone
H02AB10	Cortisone
H02AB11	Prednylidene
H02AB12	Rimexolone
H02AB13	Deflazacort
H02AB14	Cloprednol
H02AB15	Meprednisone
H02AB17	Cortivazol
H02BX01	Methylprednisolone, combinations