This dataset is created based on Gen 2/Omni 1 FHS participants' self-reported information from Exam 1 to Exam 10.

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
Antidepressants	N	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Anxiolytics	N	Ν	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Hypnotics	Ν	Ν	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

1	Generation 2 Cohort
7	Omni 1 Cohort

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
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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

80000 – 89999	Gen 2
700000 – 709999	Omni 1

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

ALL_INFLAMMATION_CORE3

Variable name: all inflammation core3

Description: Interim history of all anti-inflammation medication use in exam 3

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 C27, C32 and C33 in core exam 3.

C27 ANTIGOUT

O NO

1 YES (NOW)

2 YES (NOT NOW)

3 MAYBE

. UNKNOWN (2)

C32 STEROIDS

0 NO

1 YES (NOW)

2 YES (NOT NOW)

3 MAYBE

. UNKNOWN (1)

C33 NON-STEROIDAL ANTI-INFLAMMATORY

(MOTRIN, IBUPROFEN ETC.)

0 NO

1 YES (NOW)

2 YES (NOT NOW)

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

ALL_INFLAMMATION_CORE4

Variable name: all_inflammation_core4

Description: Interim history of all anti-inflammation medication use in exam 4

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 D031, D032, D039, and D040 in core exam 4.

D031 ANTIGOUT - URIC ACID LOWERING

(ALLOPURINOL, PROBENECID, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (9)

D032 ANTIGOUT (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (9)

D039 ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (10)

D040 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (5)

Refer to R code for more information.

ALL_INFLAMMATION_CORE5

Variable name: all inflammation core5

Description: Interim history of all anti-inflammation medication use in exam 5

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 E250, E251, E258, and E259 in core exam 5.

E250 ANTIGOUT--URIC ACID LOWERING

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

E251 ANTIGOUT (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

E258 ORAL GLUCOCORTICOIDS

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

E259 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

ALL INFLAMMATION CORE6

Variable name: all_inflammation_core6

Description: Interim history of all anti-inflammation medication use in exam 6

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 F214, F215, F222, and F223 in core exam 6.

```
F214 MEDICATIONS : ANTIGOUT - URIC ACID LOWERING (ALLOPURINOL, PROBENECID, ETC)

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

3 MAYBE . UNKNOWN (1)

. Oldkidowid (1)

F215 MEDICATIONS : ANTIGOUT (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

F222 MEDICATIONS: ORAL GLUCOCORTICOIDS (PREDNISONE,

CORTISONE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (3)

F223 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_CORE7

Variable name: all inflammation core7

Description: Interim history of all anti-inflammation medication use in exam 7

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 G046, G047, G061, G062, G679, G680, and G681 in core exam 7.

G046

NON-CARDIOVASCULAR MEDICATIONS: ANTIGOUT - URIC ACID LOWERING (ALLOPURINOL, PROBENECID, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

G047

NON-CARDIOVASCULAR MEDICATIONS: ANTIGOUT (COLCHICINE)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (4)

G061

NON-CARDIOVASCULAR MEDICATIONS: ORAL GLUCOCORTICOIDS (PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (5)

G062

NON-CARDIOVASCULAR MEDICATIONS: NON-STEROIDAL ANTI-INFLAMMATORY AGENTS (NSAIDS) (MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (3)

G679

RESPIRATORY: ARE YOU CURRENTLY TAKING ANY STEROID MEDICATIONS?*

0 NO

1 YES

. UNKNOWN (263)

*THIS VARIABLE WAS NOT COLLECTED FOR OFFSITE EXAMS

(G436 = 1 OR 2)

SEE NOTE ABOVE FOR G679 - G684 SEE NOTE ABOVE FOR G658 - G684

G680 RESPIRATORY: IF YES TO G679, BY WHAT ROUTE - ORAL*

(CHECK ALL THAT APPLY)

1 YES, CHECKED

. NOT CHECKED OR UNKNOWN (3483)

*THIS VARIABLE WAS NOT COLLECTED FOR OFFSITE EXAMS

(G436 = 1 OR 2)

SEE NOTE ABOVE FOR G679 - G684 SEE NOTE ABOVE FOR G658 - G684

G681 RESPIRATORY: IF YES TO G679, BY WHAT ROUTE - INJECTED*

(CHECK ALL THAT APPLY)

1 YES, CHECKED

. NOT CHECKED OR UNKNOWN (3533)

*THIS VARIABLE WAS NOT COLLECTED FOR OFFSITE EXAMS

(G436 = 1 OR 2)

SEE NOTE ABOVE FOR G679 - G684 SEE NOTE ABOVE FOR G658 - G684

Refer to R code for more information.

ALL INFLAMMATION CORE8

Variable name: all inflammation core8

Description: Interim history of all anti-inflammation medication use in exam 8

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_CORE9

Variable name: all inflammation core9

Anti-inflammation Medication Variables

Description: Interim history of all anti-inflammation medication use in exam 9

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_CORE10

Variable name: all_inflammation_core10

Description: Interim history of all anti-inflammation medication use in exam 10

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_CORE3

Variable name: nsaids core3

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

exam 3

Code or Value Description

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

Note: This variable was derived from C33 in core exam 3.

C33 NON-STEROIDAL ANTI-INFLAMMATORY

(MOTRIN, IBUPROFEN ETC.)

0 NO

1 YES (NOW)

2 YES (NOT NOW)

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

NSAIDS_CORE4

Variable name: nsaids_core4

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

exam 4

Code or Value Description

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

Note: This variable was derived from D039 in core exam 4.

D040 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

(MOTRIN, IBUPROFEN, NAPROSYN, INDOCIN, CLINORIL)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (5)

Refer to R code for more information.

NSAIDS CORE5

Variable name: nsaids core5

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

exam 5

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

Note: This variable was derived from E259 in core exam 5.

E259 NON-STEROIDAL ANTI-INFLAMMATORY AGENTS

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

NSAIDS CORE6

Variable name: nsaids core6

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

exam 6

Code or Value Description

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

Note: This variable was derived from F223 in core exam 6.

F223 MEDICATIONS: NON-STEROIDAL ANTI-INFLAMMATORY

AGENTS (NSAIDS) (MOTRIN, IBUPROFEN, NAPROSYN,

INDOCIN, CLINORIL)

0 NO

1 YES, NOW

NSAID Medication Variables

2 YES, NOT NOW 3 MAYBE

. UNKNOWN (2)

Refer to R code for more information.

NSAIDS CORE7

Variable name: nsaids_core7

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

exam 7

Code or Value Description

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

Note: This variable was derived from G062 in core exam 7.

G062 NON-CARDIOVASCULAR MEDICATIONS: NON-STEROIDAL

ANTI-INFLAMMATORY AGENTS (NSAIDS) (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 CORE8

Variable name: nsaids core8

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

exam 8

Code or Value Description

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

NSAID Medication Variables

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

NSAIDS CORE9

Variable name: nsaids core9

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

exam 9

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 CORE10

Code or Value

Variable name: nsaids core10

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

exam 10

	·
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.

Description

STEROIDS_CORE3

Variable name: steroids core3

Description: Interim history of steroid (glucocorticoid) medication use in exam 3

Code or Value Description

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

Note: This variable was derived from C32 in core exam 3.

C32 STEROIDS

0 NO

1 YES (NOW)

2 YES (NOT NOW)

3 MAYBE

. UNKNOWN (1)

Refer to R code for more information.

STEROIDS_CORE4

Variable name: steroids_core4

Description: Interim history of steroid (glucocorticoid) medication use in exam 4

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 D039 in core exam 4.

D039 ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

O NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (10)

Refer to R code for more information.

STEROIDS_CORE5

Variable name: steroids core5

Description: Interim history of steroid (glucocorticoid) medication use in exam 5

Code or Value Description

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

Note: This variable was derived from E258 in core exam 5.

E258 ORAL GLUCOCORTICOIDS

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (1)

Refer to R code for more information.

STEROIDS_CORE6

Variable name: steroids core6

Description: Interim history of steroid (glucocorticoid) medication use in exam 6

Code or Value Description

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

Note: This variable was derived from F222 in core exam 6.

F222 MEDICATIONS: ORAL GLUCOCORTICOIDS (PREDNISONE,

CORTISONE)

O NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (3)

Refer to R code for more information.

STEROIDS_CORE7

Variable name: steroids core7

Description: Interim history of steroid (glucocorticoid) medication use in exam 7

Code or Value

Description

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

Note: This variable was derived from G061, G679, G680, and G681 in core exam 7.

G061 NON-CARDIOVASCULAR MEDICATIONS: ORAL GLUCOCORTICOIDS

(PREDNISONE, CORTISONE, ETC.)

0 NO

1 YES, NOW

2 YES, NOT NOW

3 MAYBE

. UNKNOWN (5)

G679 RESPIRATORY: ARE YOU CURRENTLY TAKING ANY STEROID MEDICATIONS?*

0 NO

1 YES

. UNKNOWN (263)

*THIS VARIABLE WAS NOT COLLECTED FOR OFFSITE EXAMS

(G436 = 1 OR 2)

SEE NOTE ABOVE FOR G679 - G684 SEE NOTE ABOVE FOR G658 - G684

G680 RESPIRATORY: IF YES TO G679, BY WHAT ROUTE - ORAL*

(CHECK ALL THAT APPLY)

1 YES, CHECKED

. NOT CHECKED OR UNKNOWN (3483)

*THIS VARIABLE WAS NOT COLLECTED FOR OFFSITE EXAMS

(G436 = 1 OR 2)

SEE NOTE ABOVE FOR G679 - G684 SEE NOTE ABOVE FOR G658 - G684

G681 RESPIRATORY: IF YES TO G679, BY WHAT ROUTE - INJECTED*

(CHECK ALL THAT APPLY)

1 YES, CHECKED

. NOT CHECKED OR UNKNOWN (3533)

*THIS VARIABLE WAS NOT COLLECTED FOR OFFSITE EXAMS

Steroid Medication Variables

(G436 = 1 OR 2) SEE NOTE ABOVE FOR G679 - G684 SEE NOTE ABOVE FOR G658 - G684

Refer to R code for more information.

STEROIDS CORE8

Variable name: steroids_core8

Description: Interim history of steroid (glucocorticoid) medication use in exam 8

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 CORE9

Variable name: steroids_core9

Description: Interim history of steroid (glucocorticoid) medication use in exam 9

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_CORE10

Variable name: steroids_core10

Description: Interim history of steroid (glucocorticoid) medication use in exam 10

Code or Value Description

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

Steroid Medication Variables

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

14041546	
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	T-	
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 L04AC09 briakinumab L04AC10 seculinumab L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC16 guselkumab L04AC17 tildrakizumab	L04AA54	pegcetacoplan
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L04AB04 adalimumab 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 L04AC11 siltuximab L04AC12 brodalumab L04AC13 ixekizumab L04AC14 sarilumab L04AC15 sirukumab L04AC15 sirukumab L04AC16 guselkumab L04AC16 guselkumab L04AC17 tildrakizumab L04AC18 risankizumab L04AC19 satralizumab L04AC19 satralizumab L04AC20 netakimab L04AC21 bimekizumab L04AC21 bimekizumab L04AC22 spesolimab L04AC23 olokizumab L04AC03 cyclosporin L04AD01 cyclosporin	L04AB02	infliximab
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
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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
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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 L04AC21 bimekizumab L04AC21 cyclosporin L04AD01 cyclosporin L04AD01 cyclosporin	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 L04AD02 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	<u> </u>
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 M04AX01 Urate oxidase M04AX01 Urate oxidase M04AX02 pegloticase		-
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	M04AA01	Allopurinol
M04AB1 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	M04AA02	Tisopurine
M04ABPreparations increasing uric acid excretionM04AB01ProbenecidM04AB02SulfinpyrazoneM04AB03BenzbromaroneM04AB04IsobromindioneM04AB05lesinuradM04ACPreparations with no effect on uric acid metabolismM04AC01ColchicineM04AC02CinchophenM04AXOther antigout preparationsM04AX01Urate oxidase	M04AA03	Febuxostat
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	M04AA51	Allopurinol, combinations
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	M04AB	Preparations increasing uric acid excretion
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	M04AB01	Probenecid
M04AB04 Isobromindione M04AB05 Iesinurad M04AC Preparations with no effect on uric acid metabolism M04AC01 Colchicine M04AC02 Cinchophen M04AX Other antigout preparations M04AX01 Urate oxidase	M04AB02	Sulfinpyrazone
M04AB05 lesinurad M04AC Preparations with no effect on uric acid metabolism M04AC01 Colchicine M04AC02 Cinchophen M04AX Other antigout preparations M04AX01 Urate oxidase	M04AB03	Benzbromarone
M04ACPreparations with no effect on uric acid metabolismM04AC01ColchicineM04AC02CinchophenM04AXOther antigout preparationsM04AX01Urate oxidase	M04AB04	Isobromindione
M04AC01 Colchicine M04AC02 Cinchophen M04AX Other antigout preparations M04AX01 Urate oxidase	M04AB05	lesinurad
M04AC02 Cinchophen M04AX Other antigout preparations M04AX01 Urate oxidase	M04AC	Preparations with no effect on uric acid metabolism
M04AX Other antigout preparations M04AX01 Urate oxidase	M04AC01	Colchicine
M04AX01 Urate oxidase	M04AC02	Cinchophen
	M04AX	Other antigout preparations
M04AX02 pegloticase	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