

This dataset is created based on Gen 3/Omni 2/NOS FHS participants' **self-reported** information from Exam 1 to Exam 3.

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

FHS Core Exam	1	2	3
Anti-inflammation	Y	Y	Y
NSAIDs	Y	Y	Y
Steroids	Y	Y	Y

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ID

IDTYPE

Variable name: idtype

Description: Framingham Heart Study cohort identifier

Code or Value	Description
2	New Offspring Spouse Cohort
3	Generation 3 Cohort
72	Omni 2 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

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
20000 – 29999	NOS
30000 – 39999	Gen 3
720000 – 729999	Omni 2

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

ALL_INFLAMMATION_CORE1

Variable name: all_inflammation_core1

Description: Interim history of all anti-inflammation medication use in exam 1

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_CORE2

Variable name: all_inflammation_core2

Description: Interim history of all anti-inflammation medication use in exam 2

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_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 is based on ATC coded datasets. Refer to appendix/R code for more information.

NSAIDS_CORE1

Variable name: nsaid_core1

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in exam 1

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_CORE2

Variable name: nsaid_core2

Description: Interim history of NSAID (Non-steroidal anti-inflammatory drug) medication use in exam 2

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_CORE3

Variable name: nsaid_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 is based on ATC coded datasets. Refer to appendix/R code for more information.

STEROIDS_CORE1

Variable name: steroids_core1

Description: Interim history of steroid (glucocorticoid) medication use in exam 1

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_CORE2

Variable name: steroids_core2

Description: Interim history of steroid (glucocorticoid) medication use in exam 2

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_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 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	Dipyrrocetyl
N02BA10	Benorilate
N02BA11	Diffunisal
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	Dipyrrocetyl, 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	Dipyrrocetyl, combinations with psycholeptics
M01AA01	Phenylbutazone
M01AA02	Mofebutazone
M01AA03	Oxyphenbutazone
M01AA05	Clofezone
M01AA06	Kebuzone
M01AB01	Indometacin

Appendix – ATC Codes

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

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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	Dipyrrocetyl and corticosteroids
M01BA03	Acetylsalicylic acid and corticosteroids
M01CA03	Oxycinchophen

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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)

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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	teriflunomide
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	ofatumumab
L04AA53	teprotumumab

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L04AA54	pegcetacoplan
L04AA55	sutimlimab
L04AA56	deucravacitinib
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
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
L04AC19	satralizumab
L04AC20	netakimab
L04AC21	bimekizumab
L04AC22	spesolimab
L04AC23	olokizumab
L04AD	Calcineurin inhibitors
L04AD01	cyclosporin
L04AD02	tacrolimus
L04AD03	voclosporin

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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	darvadstrocel
L04AX09	diroximel fumarate
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

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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

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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

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M01AX23	Tenidap
M01AX24	Oxaceprol
M01AX25	Chondroitin sulfate
M01AX26	avacado and soybean oil, unsaponifiables
M01AX68	Feprazone, combinations
M01BA01	Phenylbutazone and corticosteroids
M01BA02	Dipyracetyl and corticosteroids
M01BA03	Acetylsalicylic acid and corticosteroids
M01CA03	Oxycinchophen
M01CB01	Sodium aurothiomalate
M01CB02	Sodium aurothiosulfate
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

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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