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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|  |
| --- |
| **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:** nsaids\_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:** nsaids\_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:** 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 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 | 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 |
| **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 |
| **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** |
| 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 |
| 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 |