

Note:

1. The purpose of this R code is to convert the anti-inflammatory drug ATC codes to Slone drug codes using a conversion file
2. Only ATC codes regarding anti-inflammatory drug usage listed below will be converted to the corresponding Slone drug codes
3. Some ATC codes may not have corresponding Slone drug codes
4. Due to the differences in drug classification systems, there are selected ATC codes that have multiple corresponding Slone drug codes. In these situations, **only one** Slone drug code is assigned

IDTYPE**Variable name:** idtype**Description:** Framingham Heart Study cohort identifier

Code or Value	Description
1	Gen 2
7	Omni 1

ID**Variable name:** id**Description:** Framingham Heart Study participant identifier within cohort

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

Code or Value	Description
0 – 9999	Range of values

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

FRAMID**Variable name:** Framid**Description:** Framingham ID assigned to each participant

Code or Value	Description
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.

EXAM_NUM**Variable name:** exam_num**Description:** Core exam number

Code or Value	Description
8	Exam 8
9	Exam 9
10	Exam 10

MEDNAME**Variable name:** medname**Description:** Medication name

Code or Value	Description
Blank	Field not filled in
Not blank	Filled in

ATC_COD1 — ATC_COD4**Variable name:** atc_cod1 — atc_cod4**Description:** ATC code for medication or drug in compound

Code or Value	Description
Blank	Field not filled in
Not blank	Filled in

MEDICATION1 — MEDICATION4**Variable name:** MEDICATION1 — MEDICATION4**Description:** Slone name of medication or drug in compound

Code or Value	Description
Blank	Field not filled in
Not blank	Filled in

SLONECODE4 — SLONECODE4**Variable name:** SloneCode1 — SloneCode4

Description: Slone code for medication or drug in compound

Code or Value	Description
Blank	Field not filled in
Not blank	Filled in

SLONE_LABEL1 — SLONE_LABEL4

Variable name: Slone_Label1 — Slone_Label4

Description: Label for Slone code for medication or drug in compound

Code or Value	Description
Blank	Field not filled in
Not blank	Filled in

Steroids - Single ATC values to one Slone code:

MEDNAME	atc_cod1	atc_cod2	atc_cod3	atc_cod4	SloneCode1	SloneLabel1
DEXAMETHASONE	H02AB02				1725	DEXAMETHASONE
A-METHAPRED	H02AB04				1478	METHYLPREDNISOLONE SODIUM SUCCINATE
MEDROL	H02AB04				1235	MEDROL
METHYLPREDNISOLONE	H02AB04				1235	METHYLPREDNISOLONE
METHYLPREDNISOLONE ACETATE	H02AB04				495	METHYLPREDNISOLONE ACETATE
METRHYLPREDNISOLONE	H02AB04				1235	METHYLPREDNISOLONE
PREDNISOLONE	H02AB06				389	PREDNISOLONE
PREDNISOLONE ACETATE	H02AB06				1587	PREDNISOLONE ACETATE
PREDNISOLONE SODIUM PHOSPHATE	H02AB06				1795	PREDNISOLONE SODIUM PHOSPHATE
IC PREDNISONE	H02AB07				390	PREDNISONE
PREDINSONE (D/C'S)	H02AB07				390	PREDNISONE
PREDISOME	H02AB07				390	PREDNISONE
PREDISONE	H02AB07				390	PREDNISONE
PREDMISOME	H02AB07				390	PREDNISONE
PREDMISONE	H02AB07				390	PREDNISONE
PREDNISONE	H02AB07				390	PREDNISONE
PREDNISONE (100)	H02AB07				390	PREDNISONE
PREDNISONE (D/C'D YE	H02AB07				390	PREDNISONE
PREDNISONE [ONLY 2 WKS]	H02AB07				390	PREDNISONE
PREDNISONE TAPER	H02AB07				390	PREDNISONE
PREDNISONME	H02AB07				390	PREDNISONE
PREDNISORE ACETATE	H02AB07				1587	PREDNISOLONE ACETATE
PREDNISORE TAPER	H02AB07				390	PREDNISONE
PREDUISONE	H02AB07				390	PREDNISONE
PRENISONE	H02AB07				390	PREDNISONE
PREONISONE	H02AB07				390	PREDNISONE
KENALOG INJECTION	H02AB08				1450	KENALOG
TRIAMCINOLOL	H02AB08				411	TRIAMCINOLONE
TRIAMCINOLONE	H02AB08				411	TRIAMCINOLONE
A-HYDROCORT	H02AB09				330	HYDROCORTISONE
CORTEF	H02AB09				330	CORTEF
HYDROCORTISONE	H02AB09				330	HYDROCORTISONE

CORTISONE	H02AB10				4011	CORTISONE
CORTISONE INJECTIONS	H02AB10				600437	CORTICOSTEROID INJECTION UNKNOWN- NOS
KENALOG	H02AB08				1450	KENALOG

Salicylates – Single ATC values to one slone code:

MEDNAME	atc_cod1	atc_cod2	atc_cod3	atc_cod4	SloneCode1	SloneLabel1
SALSALATE	N02BA06				11177	SALSALATE
DIFLUNIGAL	N02BA11				12784	DIFLUNISAL
DIFLUNISAL	N02BA11				12784	DIFLUNISAL
DIFLVNISAL	N02BA11				12784	DIFLUNISAL
DIFUNISAL	N02BA11				12784	DIFLUNISAL

Salicylates – Recoding:

MEDNAME	Original atc_cod1	Original atc_cod2	SloneCode1	SloneLabel1	Corrected atc_cod1	Corrected atc_cod2
CHOL MG TRISAL CMT	N02BA03	A02AA	15567	MAGNESIUM CHOLINE TRISALICYLATE	N02BA53	
CHOLINE MAG	N02BA03		15567	MAGNESIUM CHOLINE TRISALICYLATE	N02BA53	
CHOLINE MAG TRISAL	N02BA03		15567	MAGNESIUM CHOLINE TRISALICYLATE	N02BA53	
IC CHOCINE MAG TRISA	N02BA03		15567	MAGNESIUM CHOLINE TRISALICYLATE	N02BA53	

NSAIDs - Single or multiple ATC values to one Slone code:

MEDNAME	atc_cod1	atc_cod2	atc_cod3	atc_cod4	SloneCode1	SloneLabel1
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BUTAZONE	M01AA01				379	BUTAZONE
IC INDOMETHACIN	M01AB01				1162	INDOMETHACIN
IDOMETHACIN	M01AB01				1162	INDOMETHACIN
INDOCID	M01AB01				1162	INDOCIN
INDOCIN	M01AB01				1162	INDOMETHACIN
INDOMETACIN	M01AB01				1162	INDOMETHACIN
INDOMETHACIM	M01AB01				1162	INDOMETHACIN
INDOMETHACIN	M01AB01				1162	INDOMETHACIN
INDOMETHACINE	M01AB01				1162	INDOMETHACIN
INDORIN	M01AB01				1162	INDOMETHACIN
ONDOMETHACIN	M01AB01				1162	INDOMETHACIN
IC SULINDAC	M01AB02				12889	SULINDAC
SULINDAC	M01AB02				12889	SULINDAC
SULINDAK	M01AB02				12889	SULINDAC
SULINDAL	M01AB02				12889	SULINDAL (SP)
SULINDUC	M01AB02				12889	SULINDAC
SULINOAC	M01AB02				12889	SULINDAC
ANTHROTEC	M01AB05	A02BB01			570438	ARTHROTEC
ARHTROTEC	M01AB05	A02BB01			570438	ARTHROTEC
ART??? TEC	M01AB05	A02BB01			570438	ARTHROTEC
ARTHROTEC	M01AB05	A02BB01			570438	ARTHROTEC
ARTHROTEC 75	M01AB05	A02BB01			570438	ARTHROTEC
CAMBIA	M01AB05				561499	CAMBIA
DCLOFENAC	M01AB05				575226	DICLOFENAC
DICCOFENAC	M01AB05				575226	DICLOFENAC
DICLOFEN	M01AB05				575226	DICLOFENAC
DICLOFENAC	M01AB05				575226	DICLOFENAC
DICLOFENAC POTASSIUM	M01AB05				561499	DICLOFENAC POTASSIUM
DICLOFENAC SOD EC	M01AB05				14702	DICLOFENAC SODIUM
DICLOFENAC SODIUM	M01AB05				14702	DICLOFENAC SODIUM
DICLOFENAK	M01AB05				575226	DICLOFENAC
DICLOFENAL	M01AB05				575226	DICLOFENAC
DICLOGENAC	M01AB05				575226	DICLOFENAC
DILLOFENAC	M01AB05				575226	DICLOFENAC
DOCLOFENAC SOD	M01AB05				14702	DICLOFENAC SODIUM
PICLOFEMAC	M01AB05				575226	DICLOFENAC
ETODALAC	M01AB08				560170	ETODOLAC

ETODOLAC	M01AB08				560170	ETODOLAC
ETODOLAL	M01AB08				560170	ETODOLAC
ETODOLAC SM	M01AB08				560170	ETODOLAC
ETOTOTOLAC	M01AB08				560170	ETODOLAC
IC ETODOLAC	M01AB08				560170	ETODOLAC
KETOROLAC TROMETHAMINE	M01AB15				560171	KETOROLAC TROMETHAMINE
TORADOL	M01AB15				560171	KETOROLAC TROMETHAMINE
FELDANE	M01AC01				12486	FELDENE
PEROXICAM	M01AC01				12486	PIROXICAM
PINOXICAM	M01AC01				12486	PIROXICAM
PIROXICA	M01AC01				12486	PIROXICAM
PIROXICAM	M01AC01				12486	PIROXICAM
PLROXICAM	M01AC01				12486	PIROXICAM
PROXICAM	M01AC01				12486	PIROXICAM
MELOVICAN	M01AC06				571932	MELOXICAM
MELOXICAM	M01AC06				571932	MELOXICAM
MELOXICAN	M01AC06				571932	MELOXICAM
MOBIC	M01AC06				571932	MOBIC
ABUPROFEN	M01AE01				6409	IBUPROFEN
ADUIL	M01AE01				6409	ADVIL
ADVIL	M01AE01				6409	ADVIL
ADVIL (ALLERGY)	M01AE01	R01BA02			560415	ADVIL ALLERGY AND SINUS
ADVIL (COLD & SINUS)	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL (IBUPROFEN)	M01AE01				6409	ADVIL
ADVIL (LIQUID GELS)	M01AE01				6409	ADVIL LIQUI-GELS
ADVIL (NOT CURRENTLY	M01AE01				6409	ADVIL
ADVIL (ONLY PAST2 WK	M01AE01				6409	ADVIL
ADVIL ALLERGY SINUS	M01AE01	R01BA02			574523	ADVIL ALLERGY AND SINUS
ADVIL COLD & SINOS	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL COLD & SINUS	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL COLD & SINUS D	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS

ADVIL COLD + SINUS	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL COLD +SINUS	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL COLD AND SINUS	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL COLD+SINUS	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL FLU	M01AE01	R01BA02			560415	ADVIL FLU & BODY ACHE
ADVIL FOR ?? HEADACHE	M01AE01				6409	ADVIL
ADVIL GELCAPS	M01AE01				6409	ADVIL GEL CAPLETS
ADVIL LIQUI GELS	M01AE01				6409	ADVIL LIQUI-GELS
ADVIL LIQUID GELS	M01AE01				6409	ADVIL LIQUI-GELS
ADVIL MIGRAINE	M01AE01				6409	ADVIL MIGRAINE
ADVIL SINUS	M01AE01	R01BA02			560415	ADVIL COLD AND SINUS
ADVIL(FOR HEADACHES)	M01AE01				6409	ADVIL
ADVILE	M01AE01				6409	ADVIL
AOVIL	M01AE01				6409	ADVIL
ASVIL	M01AE01				6409	ADVIL
COTRIN	M01AE01				6409	MOTRIN
DVIL	M01AE01				6409	ADVIL
EBUPROFEN	M01AE01				6409	IBUPROFEN
IBIPROFEN	M01AE01				6409	IBUPROFEN
IBOPROFEN	M01AE01				6409	IBUPROFEN
IBPROFEN	M01AE01				6409	IBUPROFEN
IBRUPROFEN	M01AE01				6409	IBUPROFEN
IBU[ROFEN	M01AE01				6409	IBUPROFEN
IBUBROFEN	M01AE01				6409	IBUPROFEN
IBUFOROFEN	M01AE01				6409	IBUPROFEN
IBUOPROFEN	M01AE01				6409	IBUPROFEN
IBUPROFEM	M01AE01				6409	IBUPROFEN
IBUPROFEN	M01AE01				6409	IBUPROFEN
IBUPROFEN (ADVIL)	M01AE01				6409	IBUPROFEN
IBUPROFEN (D/C'ED)	M01AE01				6409	IBUPROFEN
IBUPROFEN + PSEUDOEPHIDRINE	M01AE01	R01BA02			560415	IBUPROFEN COLD & SINUS

IBUPROFEN AND DIPHENHYDRAMINE CITRATE	M01AE01	R06AA02			576510	IBUPROFEN (200MG) / DIPHENHYDRAMINE CIT (38MG)
IBUPROFEN FOR KNEE PAIN	M01AE01				6409	IBUPROFEN
IBUPROFEN IB	M01AE01				6409	IBUPROFEN
IBUPROFEN/PSEUDOED	M01AE01	R01BA02			560415	IBUPROFEN COLD & SINUS
IBUPROFENE	M01AE01				6409	IBUPROFEN
IBUPROFIN	M01AE01				6409	IBUPROFEN
IBUPROGEN	M01AE01				6409	IBUPROFEN
IBUPROPEN	M01AE01				6409	IBUPROFEN
IBUPROPHEN	M01AE01				6409	IBUPROFEN
IBUPROTEN	M01AE01				6409	IBUPROFEN
IBUPRROFEN	M01AE01				6409	IBUPROFEN
IBURPROFEN	M01AE01				6409	IBUPROFEN
IBVPROFEN	M01AE01				6409	IBUPROFEN
IC IBUPROFEN	M01AE01				6409	IBUPROFEN
IDUPROFEN	M01AE01				6409	IBUPROFEN
ILNUPROFEN	M01AE01				6409	IBUPROFEN
IMBUPROFEN	M01AE01				6409	IBUPROFEN
IUPROFEN	M01AE01				6409	IBUPROFEN
MORNIM	M01AE01				6409	IBUPROFEN
MORSIN	M01AE01				6409	IBUPROFEN
MORTIN	M01AE01				6409	MOTRIN
MOTRDIN	M01AE01				6409	MOTRIN
MOTREIN 1B	M01AE01				6409	MOTRIN IB
MOTRIM	M01AE01				6409	MOTRIN
MOTRIN	M01AE01				6409	MOTRIN
MOTRIN (HEADACHE)	M01AE01				6409	MOTRIN
MOTRIN (NOT CURRENTL	M01AE01				6409	MOTRIN
MOTRIN 113	M01AE01				6409	MOTRIN IB
MOTRIN 1B	M01AE01				6409	MOTRIN IB
MOTRIN IB	M01AE01				6409	MOTRIN IB
MOTRIN SINUS	M01AE01	R01BA02			560415	MOTRIN SINUS HEADACHE CAPLETS
MOTRIN X 7DAYS	M01AE01				6409	MOTRIN
MOTRIN/IB	M01AE01				6409	MOTRIN IB
OBUPROFEN	M01AE01				6409	IBUPROFEN

UBIPROFEN	M01AE01				6409	IBUPROFEN
UBUPROFEN	M01AE01				6409	IBUPROFEN
WAL-PROFEN (IBUPROFE	M01AE01				6409	WAL-PROFEN
ALEEVE	M01AE02				11878	ALEVE
ALEVE	M01AE02				11878	ALEVE
ALEVE (NAPROXEN)	M01AE02				11878	ALEVE
ALEVE = NAPROXEN	M01AE02				11878	ALEVE
ALEVE PM	M01AE02	R06AA02			582231	ALEVE PM
ALGVE	M01AE02				11878	ALEVE
ALIEVE	M01AE02				11878	ALEVE
ALL DAY PAIN RELIEF	M01AE02				11878	CVS ALL DAY PAIN RELIEF (NAPROXEN)
ALLEVE	M01AE02				11878	ALEVE
ALLEVE (NAPROXEN)	M01AE02				11878	ALEVE
ALLVEVE	M01AE02				11878	ALEVE
ANAPROX DS	M01AE02				11878	ANAPROX DS
EC-NAPROXEN	M01AE02				10098	EC NAPROSYN
MAPROXEN	M01AE02				10098	NAPROXEN
NABROXEN	M01AE02				10098	NAPROXEN
NAFROXEN	M01AE02				10098	NAPROXEN
NAPROSEN	M01AE02				10098	NAPROSYN
NAPROSYN	M01AE02				10098	NAPROSYN
NAPROSYN SODIUM	M01AE02				10098	NAPROSYN
NAPROXEM	M01AE02				10098	NAPROXEN
NAPROXEM SODIUM	M01AE02				11878	NAPROXEN SODIUM
NAPROXEN	M01AE02				10098	NAPROXEN
NAPROXEN SOD	M01AE02				11878	NAPROXEN SODIUM
NAPROXEN SODIUM	M01AE02				11878	NAPROXEN SODIUM
NAPROXEU	M01AE02				10098	NAPROXEN
NAPROXYN	M01AE02				10098	NAPROXEN
NAROXEN	M01AE02				10098	NAPROXEN
NOPROXEN	M01AE02				10098	NAPROXEN
NPAROXEN	M01AE02				10098	NAPROXEN
WAL-PROXEN	M01AE02				11878	WAL-PROXEN
WOPROXEN	M01AE02				10098	NAPROXEN
KETOPROFEN	M01AE03				11092	KETOPROFEN
ORUDIES	M01AE03				11092	ORUDIS
ORUDIS	M01AE03				11092	ORUDIS
ORUDIS KT	M01AE03				11092	ORUDIS KT
FLORBIPROFEN	M01AE09				10805	FLURBIPROFEN

FLURBIPROFEN	M01AE09				10805	FLURBIPROFEN
SURGAM	M01AE11				11593	SURGAM (CAN)
OXAPROZIN	M01AE12				561307	OXAPROZIN
PONSTEL	M01AG01				1383	PONSTEL
CE3LEBEX	M01AH01				570791	CELEBEX
CELEBEX	M01AH01				570791	CELEBEX
CELEBRAX	M01AH01				570791	CELEBEX
CELEBEX	M01AH01				570791	CELEBEX
CELECOXIB	M01AH01				570791	CELECOXIB
CELELOXIB	M01AH01				570791	CELECOXIB
CELEREX	M01AH01				570791	CELEBEX
CEREBEX	M01AH01				570791	CELEBEX
CLEBEX	M01AH01				570791	CELEBEX
VIOXX	M01AH02				571184	VIOXX
BAZCSTRA	M01AH03				573530	BEXTRA
BEXRA	M01AH03				573530	BEXTRA
BEXTRA	M01AH03				573530	BEXTRA
BEXTRA VALDECOXIB	M01AH03				573530	BEXTRA
REXTRA	M01AH03				573530	BEXTRA
VALDECOXIB	M01AH03				573530	VALDECOXIB
NABUEMOTONE	M01AX01				561121	NABUMETONE
NABUMEDONE	M01AX01				561121	NABUMETONE
NABUMETOME	M01AX01				561121	NABUMETONE
NABUMETONE	M01AX01				561121	NABUMETONE
NABUTEMONE	M01AX01				561121	NABUMETONE
RELAFEN	M01AX01				561121	RELAFEN
COMPOUND PAIN GEL (KETOPROFEN, ZAPINE)	M02AA10				11092	KETOPROFEN
FLECTOR PATCH	M02AA15				579599	FLECTOR PATCH
SURPASS	M02AA15				14702	SURPASS TOPICAL CREAM (VET)

NSAIDs - ATC correction before Slone matching:

MEDNAME	Original atc_cod1	Original atc_cod2	SloneCode1	SloneLabel1	Corrected atc_cod1	Corrected atc_cod2
DICYCLOMINE HYDROCHLORIDE	M01AB05		698	DICYCLOMINE HYDROCHLORIDE	A03AA07	
IBUPROFEN COLD & SIN	M01AE01		560415	IBUPROFEN COLD & SINUS	M01AE01	R01BA02

				(VARIOUS BRANDS)		
ALEVE COLD & SINUS	M01AE02		572348	ALEVE COLD AND SINUS	M01AE02	R01BA02
ALEVE SINUS (NAPR/PS	M01AE02		572348	ALEVE SINUS & HEADACHE	M01AE02	R01BA02
ALEVE SINUS + HEADAC	M01AE02		572348	ALEVE SINUS & HEADACHE	M01AE02	R01BA02
ALLEVE COLD SINUS	M01AE02		572348	ALEVE COLD AND SINUS	M01AE02	R01BA02
DICLOFENAC/MISOPROSTOL	M01AB55		570438	DICLOFENAC SODIUM / MISOPROSTOL	M01AB05	A02BB01
CLINORIL	M01AB02		12889	CLINORIL	M01AB02	

NSAIDs - Multiple Slone codes:

MEDNAME	atc_cod1	atc_cod2	SloneCode1	Slone_Label1	SloneCode2	Slone_Label2
MOTRIN/ALLEVE	M01AE01	M01AE02	6409	Motrin	11878	Aleve