

Note:

1. The purpose of this R code is to convert the thyroid-related drug ATC codes to Slone drug codes using a conversion file
2. Only ATC codes regarding thyroid-related 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
 - Refer to the “Duplicated_values” tab in the conversion file for more details

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 |

Single ATC codes:

| ATC_Code | MEDICATION | SloneCode | Slone_Label |
|----------|--|-----------|-------------------------------|
| H03 | THYROID THERAPY | | |
| H03AA | | 600138 | NOS- THYROID MEDICINE UNKNOWN |
| H03AA01 | Levothyroxine sodium | 1880 | LEVOTHYROXINE SODIUM |
| H03AA02 | Liothyronine sodium | 341 | LIOTHYRONINE SODIUM |
| H03AA03 | Combinations of levothyroxine and liothyronine | 8936 | EUTHROID |
| H03AA05 | Thyroid gland preparations | 2012 | THYROID |
| H03BA01 | Methylthiouracil | 555040 | METHYLTHIOURACIL |
| H03BA02 | Propylthiouracil | 1012 | PROPYLTHIOURACIL (PTU) |
| H03BB01 | Carbimazole | 697 | CARBIMAZOLE |
| H03BB02 | Thiamazole | 877 | METHIMAZOLE |
| H03BC01 | Potassium perchlorate | 911 | POTASSIUM PERCHLORATE |
| H03BX01 | Diiodotyrosine | 10742 | DIIODOTYROSINE |
| H03BX02 | Dibromotyrosine | 15742 | DIBROMOTYROSINE |

Multiple ATC codes:

| atc_cod1 | atc_cod2 | MEDICATION1 | SloneCode1 | Slone_Label1 | SloneCode2 | Slone_Label2 |
|----------|----------|----------------------|------------|----------------|------------|--------------|
| H03AA01 | H03AA02 | Armour Thyroid | 2012 | Armour Thyroid | | |
| H03AA | V06DD | THYROID & L-TYROSINE | 600138 | THYROID NOS | 1070 | L-Tyrosine |

Recoding:

| medname | atc_cod1 | atc_cod2 | New_medname | New_atc_cod1 | New_atc_cod2 |
|----------------------|----------|----------|----------------------|--------------|--------------|
| THYROID & L-TYROSINE | H03AA | C02KB | THYROID & L-TYROSINE | H03AA | V06DD |
| L-THYROXINE | H03AA03 | | L-THYROXINE | H03AA01 | |
| ARMOUR | H05AA01 | | ARMOUR | H03AA01 | H03AA02 |
| ARMOUR THYRO | H05AA01 | | ARMOUR THYRO | H03AA01 | H03AA02 |
| ARMOUR THYROID | H05AA01 | | ARMOUR THYROID | H03AA01 | H03AA02 |
| THY EXT | H05AA01 | | THY EXT | H03AA05 | |
| THYROID | H05AA01 | | THYROID | H03AA05 | |
| THYROID (ARMOUR) | H05AA01 | | THYROID-ARMOUR | H03AA01 | H03AA02 |

| | | | | | |
|---------------------|---------|--|---------------------|---------|---------|
| THYROID TABS USP | H05AA01 | | THYROID TABS USP | H03AA01 | H03AA02 |
| THYROID- ARMOUR | H05AA01 | | THYROID- ARMOUR | H03AA01 | H03AA02 |
| TYROID TABS USP | H05AA01 | | TYROID TABS USP | H03AA01 | H03AA02 |