

NEMESIS V3 Suggested List – eHistory.07 Environmental/Food Allergies

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eHistory.07 – Environmental/Food Allergies

The code list associated with eHistory.07 (Environmental/Food Allergies) represents a list of values found in **Systematized Nomenclature of Medicine -- Clinical Terms (SNOMED CT)**. The process for gaining access to the SNOMED CT code values is provided below.

Suggested List

The suggested code list for eHistory.07 (Environmental/Food Allergies) is represented by SNOMED CT Clinical Findings or Disorder codes. The term types utilized for the describing environmental/food allergies are preferred terms (PT). There are synonyms for each environmental/food allergy code that can be used to display the allergy “concept”. The specific 88 suggested SNOMED CT codes are listed at the end of this document, beginning on page four.

When the environmental/food allergy suggested list was developed, the primary goal within SNOMED CT was to utilize “Clinical Findings” or “Disorder” codes to identify patient allergies. For consistency in reporting, it is important that Software Developers expanding the list of environmental/food allergies rely on the use of “Clinical Findings” or “Disorder” codes. If an appropriate code cannot be found among these code types, the Software Developer should contact the NEMESIS TAC, who will work with SNOMED to add an appropriate code to the SNOMED standard. The suggested SNOMED CT environmental/food allergies list, available on the NEMESIS download site, provides codes in alphabetical order by description. The list of environmental/food allergy descriptions is also provided below.

Licensed “Suggested Lists”

The U.S. National Library of Medicine provides access to the SNOMED CT code values through the Unified Medical Language System (UMLS). An applicant must accept the terms of the UMLS Metathesaurus License

and create a UMLS Terminology Services (UTS) account for access to UMLS datasets and terminology browsers.

More information can be found at: <http://www.nlm.nih.gov/databases/umls.html>.

The NEMSIS TAC may only distribute suggested lists with specific value codes from the UMLS system to entities licensed through the UMLS system. Thus, each software developer must seek licensing and provide proof of licensing before gaining access to all of the pre-defined suggested lists available through the NEMSIS TAC.

The SNOMED CT Concept Identifier codes are the only codes that can be shared publicly in tandem with the concept names. Similar to the other UMLS datasets, the UMLS experts recommend the use of one primary code (e.g. SNOMED - Concept ID) to identify a specific procedure. SNOMED CT allows for multiple similar descriptions /names for the same UMLS identified primary code (concept) which in turn provides a synonym for use. Together the Concept ID and TTY are used to define and identify a specific code and the corresponding description.

Access to “Suggested List” Archive Files

Access to suggested code lists will be provided on a special section of the NEMSIS TAC’s download site. A licensed user will be able to login to the site and download the appropriate archive file (SNOMED CT, RxNorm, ICD-10, etc).

The UMLS license verification service helps determine if the remote user has a license to use and/or distribute certain code sets. If the user does not have a current license, access to the “suggested lists” archive will be denied.

The “suggested list” files will be zipped archives that are automatically created each time one of the licensed code databases is updated in the NEMSIS master data repository.

Viewing and Using the “Suggested List” Archive Files

The downloaded suggested list appears in a pipe-delimited text format. The proper code to utilize is the code with the name of the element and closest to the value description. Please note that the CUI, AUI, and TTY fields are included for reference purposes. These codes allow one to locate the exact code and description in the UMLS Metathesaurus that was selected for inclusion in the suggested list.

The list provides additional fields indicating when a record became active in the NEMSIS TAC’s master data repository as well as the version of the source used for a particular code and description in the suggested list.

Conclusions

By maintaining a single source of these data and making it available internally as well as to our customers, we improve our data quality and consistency. This will reduce reporting errors in data submissions provided it is used as part of our own and our customer's data management best practices.

Unified Medical language System (UMLS) Term Types (TTY)

This is a partial list of Term Types in Source (TTY) from the National Library of Medicine website. The NEMESIS TAC will be using primarily the designated preferred name (PT) and occasionally the hierarchical term (HT) Term Types in its suggested lists. To view the full list of UMLS abbreviations used in data element please visit the National Library of Medicine website:

http://www.nlm.nih.gov/research/umls/knowledge_sources/metathesaurus/release/abbreviations.html .

| TTY (Term Type in Source) | | TTY (Term Type in Source) | |
|---------------------------|-------------------------|---------------------------|---------------------------|
| DN | Display Name | HT | Hierarchical term |
| DO | Domain | LT | Lower Level Term |
| ET | Entry term | PT | Designated preferred name |
| HC | Hierarchical class | RT | Designated related term |
| HD | Hierarchical descriptor | | |

SNOMED CT Suggested List for eHistory.07 - Environmental/Food Allergies

| Allergy Description | SNOMED CT Code | TTY Code |
|---------------------|----------------|----------|
| Almond oil allergy | 418606003 | PT |
| Aluminum allergy | 402306009 | PT |
| Ant sting | 403141006 | PT |
| Arachis oil allergy | 294317009 | PT |
| Aspartame allergy | 419180003 | PT |
| Bee sting | 424213003 | PT |
| Boric acid allergy | 294434000 | PT |
| Caffeine allergy | 418344001 | PT |
| Carrot allergy | 420080006 | PT |
| Castor oil allergy | 294318004 | PT |
| Cat dander allergy | 232346004 | PT |
| Cheese allergy | 300914000 | PT |
| Chemical allergy | 419199007 | PT |
| Chocolate allergy | 300912001 | PT |
| Cinnamon allergy | 418397007 | PT |
| Coal tar allergy | 294169006 | PT |
| Coconut oil allergy | 419814004 | PT |
| Corn allergy | 419573007 | PT |
| Cosmetic allergy | 417982003 | PT |

| | | |
|----------------------------------|-----------|----|
| Cow's milk allergy | 15911003 | PT |
| Dairy product allergy | 425525006 | PT |
| Dander allergy | 232347008 | PT |
| Dog dander allergy | 419271008 | PT |
| Dust allergy | 390952000 | PT |
| Dye allergy | 418545001 | PT |
| Egg allergy | 91930004 | PT |
| Feather allergy | 232348003 | PT |
| Fish allergy | 417532002 | PT |
| Food Allergy | 414285001 | PT |
| Food preservative allergy | 419421008 | PT |
| Fruit allergy | 91932007 | PT |
| Gastrointestinal food allergy | 414314005 | PT |
| Gauze allergy | 418968001 | PT |
| Gelatin allergy | 294847001 | PT |
| Glycine allergy | 294298002 | PT |
| Gold allergy | 294238000 | PT |
| Grass pollen allergy | 418689008 | PT |
| Guar gum allergy | 294741005 | PT |
| Hornet sting | 307427009 | PT |
| Horse dander allergy | 419063004 | PT |
| House dust allergy | 232349006 | PT |
| Latex allergy | 300916003 | PT |
| Legumes allergy | 409136006 | PT |
| Lithium allergy | 293817009 | PT |
| Lubricant allergy | 294321002 | PT |
| Metal Allergy | 300915004 | PT |
| Multiple environmental allergies | 444026000 | PT |
| Mushroom allergy | 447961002 | PT |
| Nickel allergy | 419788000 | PT |
| No Known Allergies | 160244002 | PT |
| Nut allergy | 91934008 | PT |
| Oats allergy | 419342009 | PT |
| Olive oil allergy | 294316000 | PT |
| Other allergy (Not Listed) | 106190000 | PT |
| Paraffin allergy | 294324005 | PT |
| Peanut allergy | 91935009 | PT |
| Perfume allergy | 300908007 | PT |
| Pesticide allergy | 294619002 | PT |
| Photosensitization due to sun | 258155009 | PT |
| Plant allergy | 402594000 | PT |
| Pollen allergy | 300910009 | PT |
| Pollen-food allergy | 432807008 | PT |

| | | |
|--------------------|-----------|----|
| Pork allergy | 417918006 | PT |
| Potato allergy | 419619007 | PT |
| Red meat allergy | 418815008 | PT |
| Rubber allergy | 419412007 | PT |
| Rye allergy | 418184004 | PT |
| Scorpion sting | 422921000 | PT |
| Seafood allergy | 91937001 | PT |
| Seasonal allergy | 444316004 | PT |
| Seed allergy | 419101002 | PT |
| Shellfish allergy | 300913006 | PT |
| Shrimp allergy | 419972009 | PT |
| Silicone allergy | 294328008 | PT |
| Spider bite | 427487000 | PT |
| Sulfur allergy | 294179008 | PT |
| Tape allergy | 405649006 | PT |
| Tomato allergy | 418779002 | PT |
| Tryptophan allergy | 293842000 | PT |
| Vitamin A allergy | 294923007 | PT |
| Vitamin D allergy | 294924001 | PT |
| Vitamin K allergy | 294925000 | PT |
| Walnut allergy | 91940001 | PT |
| Wasp sting | 423058007 | PT |
| Wheat allergy | 420174000 | PT |
| Wood allergy | 402595004 | PT |
| Wool allergy | 425605001 | PT |
| Zinc allergy | 294950002 | PT |