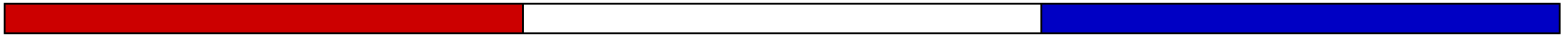




Data Quality/Analytics Interoperability Project Reports

Sprint 5 – Allergy - Reactants



January 2015



Sprint 5 Overview



Sprint 5 Domain: Allergy Reactants

Analyzed files:

VA: Veterans Affairs ICIB Maps 09152015.xlsx

DoD: DoD_Allergen_RxNorm_map_Freq_20150821_HLI_for DHA Review.xlsx

	VA	DoD	I2TP
Source Code	Local Code	Local Code	RxNorm
Target Code	RxNorm	RxNorm	
Number of Source Terms	23925	107027	



Sprint 5 Disclaimer



Sprint 5 Domain: Allergy Reactants

- **Due to the large number of unique entries in the Allergy Reactants domain (>111k), the scope of terms reviewed was narrowed to the “Top 95%” drug allergen terms as identified by the HIEA WG JET - Most Common Allergen Terms Working Session**
- **This Data Quality/Analytics Interoperability Project Report is not an endorsement or validation of the findings of the HIEA WG JET**



MySQL Analysis Results – Allergy - Reactants*



DoD Allergy Reactants to RxNorm Mappings			VA Allergy Reactants to RxNorm Mappings		
Total DoD codes	107027		Total VA codes	23925	
Total unique DoD codes	103862	97.04%	Total unique VA codes	7627	31.88%
Unique DoD codes with DoD provided RxNorm code	46465	43.41%	Unique VA codes with VA provided RxNorm codes	7627	31.88%
Unique DoD codes with valid RxNorm codes	46300	99.64%	Unique VA codes with valid VA-provided RxNorm codes	7627	100%
Unmapped/unmappable/invalid DoD codes (not unique)	57562	53.78%	Unmapped/unmappable/invalid VA codes (not unique)	817	3.41%
Unique valid RxNorm codes used	4505		Unique valid RxNorm codes used	4479	
Total overlap of unique RxNorm codes from VA and DoD datasets	2913	64.66%	Total overlap of unique RxNorm codes from VA and DoD datasets	2913	65.04%
Unique DoD codes sharable through valid RxNorm codes	32438	31.23%	Unique VA codes sharable through valid RxNorm codes	4589	60.17%

* For calculation of the above percentages, see Appendix
DoD/VA PO Internal Use Only



MySQL Analysis Results – Allergy - Reactants* ("Top 95%" Most Common Drug Allergen Terms)



DoD Allergy Reactants to RxNorm Mappings			VA Allergy Reactants to RxNorm Mappings		
Total DoD codes	107027		Total VA codes	23925	
Total unique DoD codes	103862	97.04%	Total unique VA codes	7627	31.88%
"Top 95%" unique DoD codes	5143	4.95%	"Top 95%" unique VA codes	919	12.05%
Unique valid RxNorm codes used	343		Unique valid RxNorm codes used	343	
Unique DoD codes with mapping issues	425	8.26%	Unique VA codes with mapping issues	0	0%
Unique DoD codes without mapping issues	4718	91.74%	Unique VA codes without mapping issues	919	100%

* For calculation of the above percentages, see Appendix



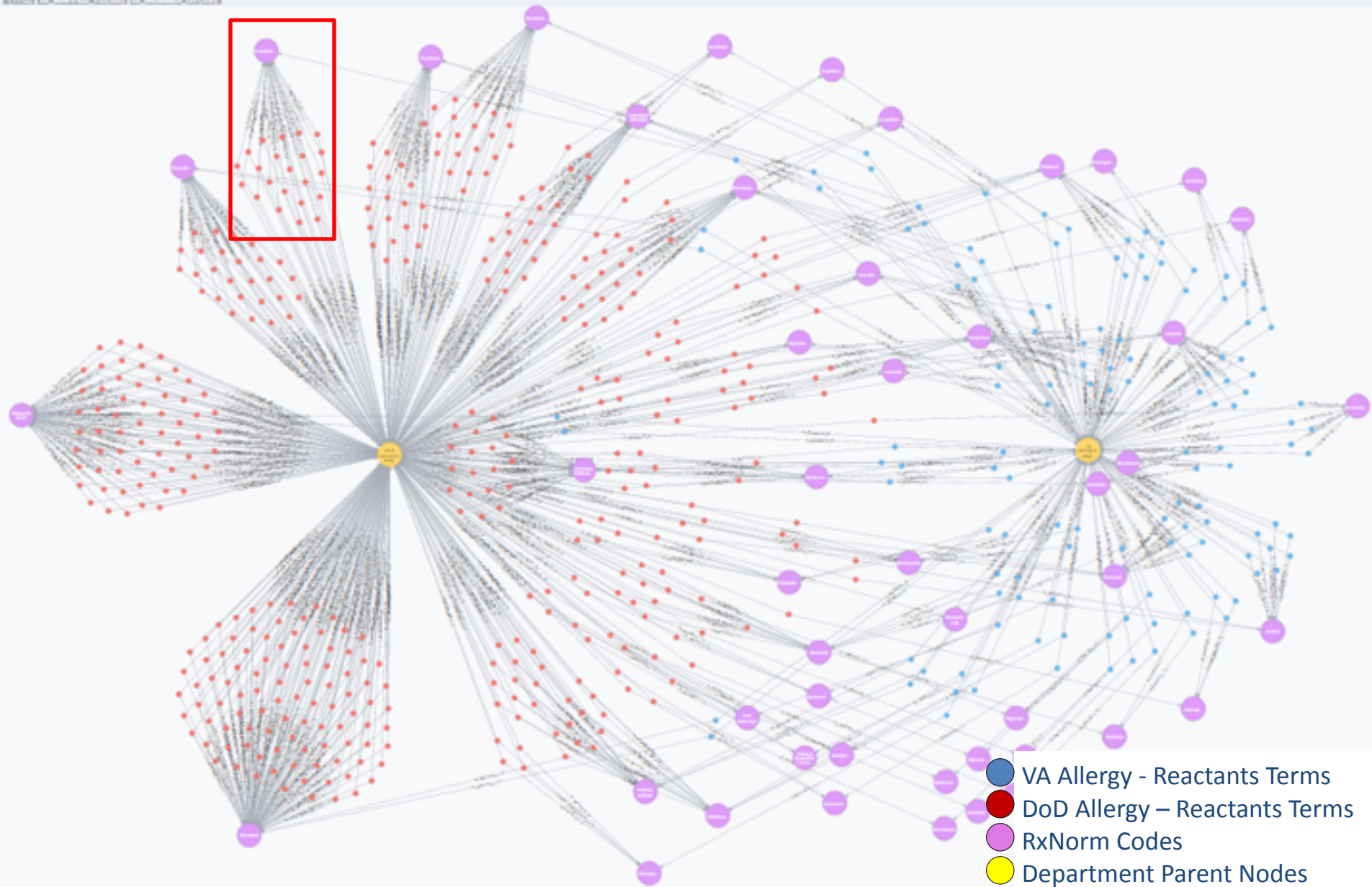
Mapping Visualization Using Neo4j

Drug Allergens with Mapping Issues



1000 DOD ALLERGEN MAP(1) DOD ALLERGEN(2) RXNORM ALLERGEN(4) VA ALLERGEN MAP(1) VA ALLERGEN(10)

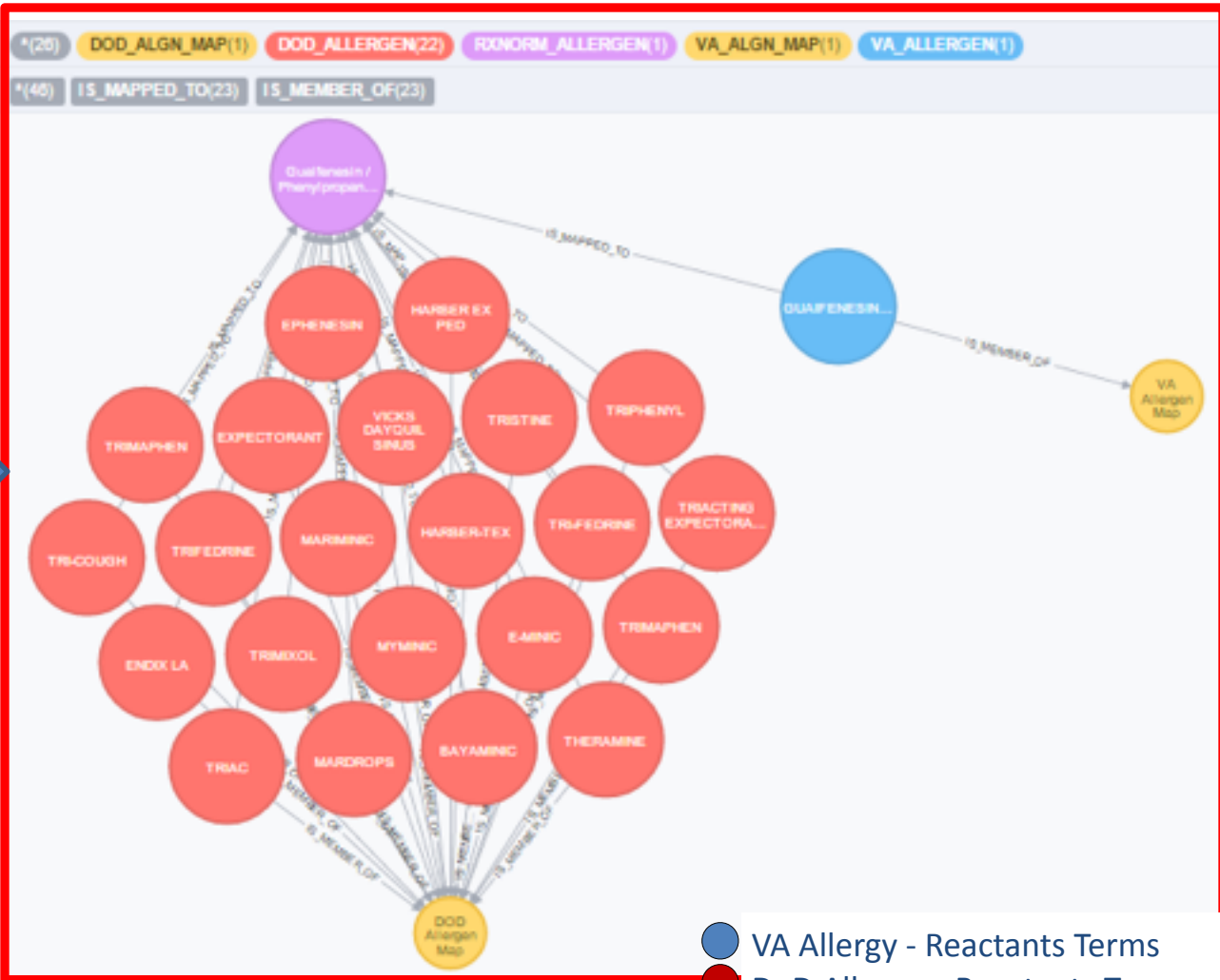
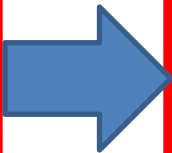
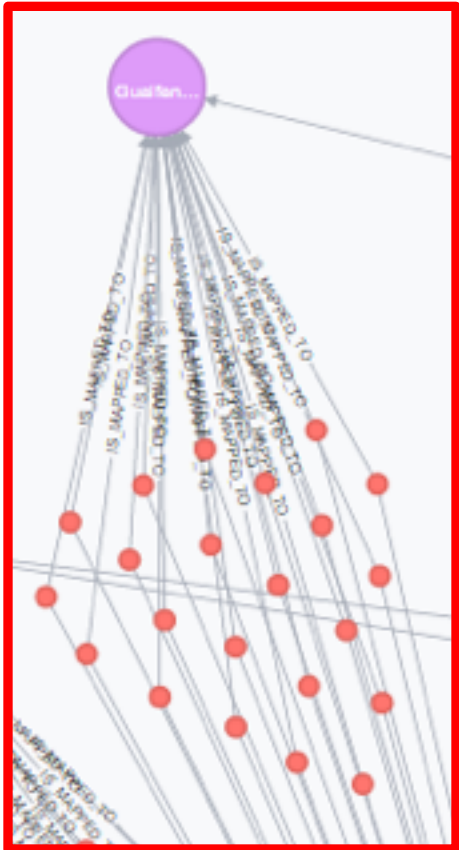
11100 IS MAPPED TO(20) IS MEMBER OF(20)





Mapping Visualization Using Neo4j

Drug Allergens with Mapping Issues



- VA Allergy - Reactants Terms
- DoD Allergy – Reactants Terms
- RxNorm Codes
- Department Parent Nodes



Mapping Visualization Using Neo4j

Drug Allergens with Mapping Issues (excerpt)

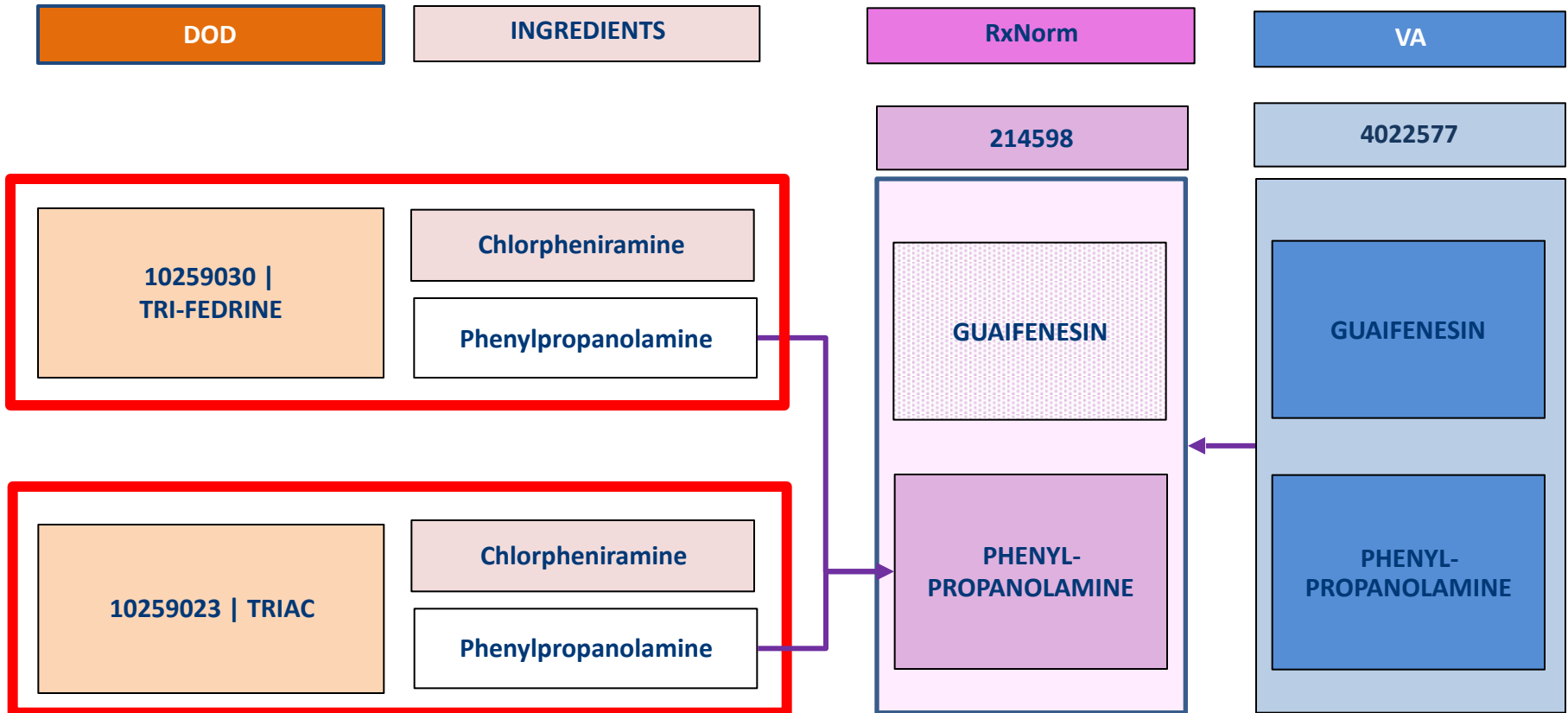


DOD Code	DOD Text	ISSUE	RXNORM Code/Text	VA Code	VA Text
10259042	MARDROPS	Unable to verify DOD entry ingredients			
10259030	TRI-FEDRINE	Contains chlorpheniramine and phenylpropanolamine, not guaifenesin	214598 Guaifenesin / Phenylpropan olamine	4022577	GUAIFENESIN/ PHENYLPROPAN OLAMINE
10259023	TRIAC	Contains chlorpheniramine and phenylpropanolamine, not guaifenesin			
10259004	EXPECTORAN T	DOD entry not descriptive enough to verify			
10259020	THERAMINE	FDA-regulated medical food			



Mapping Visualization Using Neo4j

Drug Allergens with Mapping Issues (excerpt)

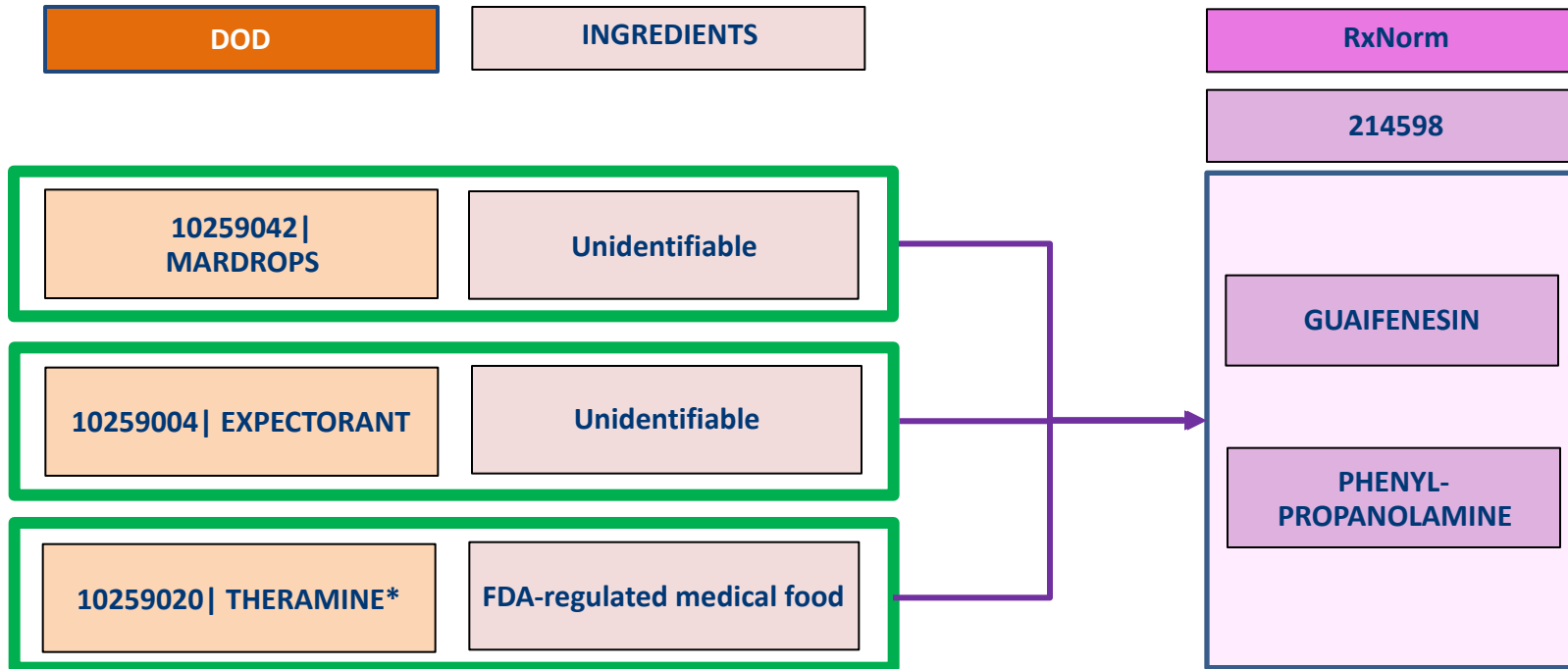


- Only one of the two ingredients in the DOD Allergens is mapped to only one of the two substances in RxNorm
- The second DOD ingredient remains unmapped
- The second RxNorm substance is not an ingredient of the DOD Allergens



Mapping Visualization Using Neo4j

Drug Allergens with Mapping Issues (excerpt)



- DOD Allergens with undeterminable ingredients are mapped to two substances in RxNorm
- According to the official Product Information, Guaifenesin and Phenylpropanolamine are not ingredients of Theramine*)

* <http://www.nutrientpharmacology.com/PDFs/monographs/theramine-monograph.pdf>



Mapping Visualization Using Neo4j Drug Allergens with Mapping Issues



Observations:

- Of the “Top 95%” most common drug allergen terms in patient profiles, local terms at the ingredient level were more accurately mapped to the national standard

Recommendations:

- Verify mapping of 425 uncertain local terms to the RxNorm standard*
- Increase use of local terms at the ingredient level

* List of uncertain local terms is provided in the appendix



Mapping Visualization Using Neo4j

Drug Allergens with Mapping Issues



Observations:

- Of the “Top 95%” most common drug allergen terms in patient profiles, many drug groups are not represented (e.g., SULFA DRUGS, NONSTEROIDAL ANTI-INFLAMMATORY, ACE INHIBITORS). Drug groups are not part of the RxNorm lexicon.
- Environmental allergens and food allergens are not represented

Recommendations:

- Explore the use of other standard terminologies that define drug groups, environmental allergens, and food allergens (e.g., NDF-RT, SNOMED CT, UNII)



Other Observations



- VA Map
 - Some of the VA source terms are not actual Allergens, e.g.
 - 4541432 | PCN-SENSITIVE
 - 4538775 | PENICILLIN SENSITIVE
 - 4540559 | ASPIRIN INTOLERANCE
 - 4543419 | ALLERGY – LACTOSE
- DOD Map
 - Ambiguity in some source texts can lead to confusion
 - 11340005 | NVP mapped to RxNorm 8928 | Psyllium
 - This mapping assumes, that “NVP” means “nevirapine,” although it could also mean psyllium-N-vinylpyrrolidone
 - Nevirapine is indicated to suppress HIV infections, psyllium-N-vinylpyrrolidone is used for the treatment of constipation



Results Summary



- Main findings:
 - Use of source terms on the ingredient level, rather than on the product level, results in a more accurate mapping 1:1 ingredient to ingredient
 - Use of ingredient level source terms avoids ambiguity in source terms, e.g. “Expectorant”
 - RxNorm as a national standard cannot be applied drug groups, environmental allergens, and food allergens



Recommendations



- **Increase use of local terms on the ingredient level**
- **Consider other national standard terminologies, e.g. NDF-RT, UNII, SNOMED CT to include drug groups, environmental and food allergens in the map**



Appendix



MySQL Analysis Results – Calculation



Number of unique department codes with *provided*
RxNorm code

Number of unique department codes

=

% unique department codes with *provided* RxNorm
code

Number of unique department codes with *valid* RxNorm
code

Number of unique department codes with *provided*
RxNorm code

=

% unique department codes with *valid* RxNorm code

Number of unmapped/unmappable/invalid department
codes

Total number of department codes

=

% unmapped/unmappable/invalid department codes

Total number of overlap of unique RxNorm codes from
VA and DoD datasets

Number of unique valid RxNorm codes used

=

% total overlap of unique RxNorm codes from VA and
DoD datasets

Total number of unique department codes sharable
through valid RxNorm codes

Total number of unique department codes

=

% sharable through valid RxNorm codes



MySQL Analysis Results – Calculation



“Top 95%” unique department codes

Total unique department codes

=

% “Top 95%” unique department codes

Number of unique department codes with mapping
issues

Number of unique department codes with *provided*
RxNorm code

=

% unique department codes with mapping issues

Number of unique department codes without mapping
issues

Number of unique department codes with *provided*
RxNorm code

=

% unique department codes without mapping issues



List of DOD Allergens with Mapping Issues



DOD Allergen Entries with Mapping Issues

10018005 PHEDRAL - Unable to verify DOD entry ingredients
10018006 THEOGEN - Unable to verify DOD entry ingredients
10018007 THEODRAL - Unable to verify DOD entry ingredients
10018010 THEOPHYLLINE COMPOUND - Unable to verify DOD entry ingredients
10018018 THEOTAL - THEOTAL also contains guaifenesin
10223005 CLEAR TUSSIN - Unable to verify DOD entry ingredients
10223057 MEDIKOFF SUGAR-FREE - Unable to verify DOD entry ingredients
10223068 TROCAL - TROCAL has only guaifenesin
10223084 RECOFEN - Unable to verify DOD entry ingredients
10223093 DIABETIC COUGH SYRUP - DOD entry not descriptive
10223103 DECONGESTANT D - Unable to verify DOD entry ingredients
10223137 CLEAR TUSSIN 30 - Unable to verify DOD entry ingredients
10223148 DIABETIC FORMULA - DOD entry not descriptive
10223155 SUPER TUSSIN - SUPER TUSSIN has only guaifenesin. SUPERTUSSIN DM ads dextromethorphan
10223163 MEDI-TUSSIN - MEDI-TUSSIN has only guaifenesin. MEDI-TUSSIN DM adds dextromethorphan
10223185 DM - DOD entry not descriptive
10223192 COUGH SUPPRESSANT - DOD entry not descriptive
10223212 GUAICON DM - Unable to verify DOD entry ingredients
10223239 NUPRIN COLD RELIEF - Unable to verify DOD entry ingredients
10223243 TUSSIN CLEAR - Unable to verify DOD entry ingredients
10223267 TUSSIN COUGH - Unable to verify DOD entry ingredients
10223272 CORICIDIN HBP - DOD entry not descriptive
10223275 CHILDRENS COUGH - DOD entry not descriptive
10223277 INTENSE COUGH - DOD entry not descriptive
10223280 CHILDREN'S MUCINEX - DOD entry not descriptive
1023235001 ORTHO EVRA - ORTHO EVRA also contains ethanyl estradiol
10245017 MIRAPHEN - Unable to verify DOD allergy
10245088 ENTEX - DOD entry (ENTEX) contains guaifenesin + phenylpropanolamine or pseudoephedrine, not phenylephrine
10259003 TRISTINE - Unable to verify DOD entry ingredients



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

10259004 EXPECTORANT - DOD entry not descriptive

10259006 TRIMAPHEN - Unable to verify DOD entry ingredients

10259011 TRI-COUGH - Unable to verify DOD entry ingredients

10259015 TRIPHENYL - Unable to verify DOD entry ingredients

10259016 TRIMIXOL - Unable to verify DOD entry ingredients

10259018 MYMINIC - Unable to verify DOD entry ingredients

10259019 TRIFEDRINE - TRIFEDRINE (not TRI_FEDRINE) contains pseudoephedrine and triprolidine, not guaifenesin and phenylpropanolamine.

10259020 THERAMINE - THERAMINE (not THREAMINE) is a Food and Drug Administration (FDA) regulated medical food designed to address the increased nutritional requirements associated with chronic pain syndromes and low back pain, and contains choline bitartrate, L-arginine, L-histidine HCL, L-glutamine, L-serine, GABA, griffonia seed (95% 5HTP), whey protein hydrolysate, grape seed extract (85% polyphenols), cinnamon, and cocoa extract (6% theobromine).

10259023 TRIAC - TRIAC contains chlorpheniramine and phenylpropanolamine, not guaifenesin

10259026 MARIMINIC - Unable to verify DOD entry ingredients

10259029 TRIMAPHEN - Unable to verify DOD entry ingredients

10259030 TRI-FEDRINE - TRI-FEDRINE (not TRIFEDRINE) contains chlorpheniramine and phenylpropanolamine, not guaifenesin.

10259032 BAYAMINIC - Unable to verify DOD entry ingredients

10259036 E-MINIC - Unable to verify DOD entry ingredients

10259038 TRIACTING EXPECTORANT - TRIACTING EXPECTORANT contains guaifenesin and pseudoephedrine, not phenylpropanolamine (may be due to formulation change)

10259042 MARDROPS - Unable to verify DOD entry ingredients

10259044 HARBER EX PED - Unable to verify DOD entry ingredients

10259050 VICKS DAYQUIL SINUS - Unable to verify DOD entry ingredients

10259069 EPHENESIN - Unable to verify DOD entry ingredients

10259073 ENDIX LA - Unable to verify DOD entry ingredients

10259076 HARBER-TEX - Unable to verify DOD entry ingredients

10271008 COUGH CONTROL - Unable to verify DOD allergy

10271019 COUGH FORMULA - Unable to verify DOD allergy

IP 10271032 ANTITUSSIVE COUGH SYRUP - Unable to verify DOD allergy



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

1035433008 CHILDRENS TYLENOL COLD & ALLER - Unable to verify DOD allergy
1035433012 THERAFLU - Unable to verify DOD allergy
1039314009 HYDROCODONE - DOD entry not descriptive
10481050 TRIAMINIC - DOD entry not descriptive
10481062 COUGH SYRUP - DOD entry not descriptive
10481081 ORANGE COUGH SYRUP - DOD entry not descriptive
10481105 ALLERGY RELIEF MEDICINE - DOD entry not descriptive
10497001 ANTI-HIST - Unable to verify DOD entry ingredients
10501038 ANDEHIST - DOD entry cannot be verified
10505005 DECONGEST 12 HOUR - Unable to verify identity of DOD entry
10505010 NORAFED - Unable to verify identity of DOD entry
10505013 TROFEDRIN - Unable to verify identity of DOD entry
10505017 ALLERGY COLD SYRUP - DOD entry not descriptive
10505019 LOFED - Unable to verify identity of DOD entry
10505022 VALUPHED/ACTAMINE - Unable to verify identity of DOD entry
10505024 TRI-ACT - Unable to verify identity of DOD entry
10505028 TRIAPHED - Unable to verify identity of DOD entry
10505031 HARBER-FED - Unable to verify identity of DOD entry
10505034 E-FED - Unable to verify identity of DOD entry
10505037 TRIACTING SYRUP - Unable to verify identity of DOD entry
10505038 A.N.D. - Unable to verify identity of DOD entry
10505040 A-REX - Unable to verify identity of DOD entry
10505046 ALLERGY COLD TABLET - DOD entry not descriptive
10505051 LONG ACTING DECONGESTANT - Unable to verify identity of DOD entry



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

10505065 ANTIHISTAMINE/DECONGESTANT - Unable to verify identity of DOD entry
10505067 ACT-O-MED - Unable to verify identity of DOD entry
10505070 ACT-A-MET - Unable to verify identity of DOD entry
10505072 ANTIHISTIMINE - Unable to verify identity of DOD entry
10505073 ANTIHISTIMINE - DOD entry not descriptive
10505093 ANTIHIST/NASAL - DOD entry not descriptive
10505096 COLD-ALLERGY - DOD entry not descriptive
10505099 SUDAFED - DOD entry not descriptive
10505100 COLD & ALLERGY - DOD entry not descriptive
10505103 HISTAFEF - Unable to verify identity of DOD entry
10505104 SUPHEDRINE - SUPHEDRINE only contains pseudoephedrine, not triprolidine
10505105 COLD, ALLERGY & SINUS - Unable to verify identity of DOD entry
10507010 12 HR. ANTIHISTAMINE - DOD entry not descriptive
10507047 ANTIHISTAMINE/DECONGESTANT - DOD entry not descriptive
10549034 S-A-K - Unable to verify DOD allergy
10549039 K-VESCENT - DOD entry (K_VESCENT) contains potassium bicarbonate, not potassium chloride
10581076 MAALOX - Unable to verify DOD entry ingredients
10581077 MYLANTA - Regular MYLANTA contains magnesium hydroxide, aluminum hydroxide, and simethicone (no calcium carbonate)
10581083 TITRALAC EXTRA STRENGTH - MYLANTA ULTRA also contains magnesium hydroxide
10581084 ROLAIDS - ROLAIDS also contains magnesium hydroxide
10581092 ALKA-SELTZER - Regular ALKA_SELTZER contains anhydrous citric acid, aspirin, and sodium bicarbonate (no calcium carbonate)
10581106 MYLANTA ULTRA - MYLANTA ULTRA also contains magnesium hydroxide
10739001 IROMAL - Unable to verify identity of DOD allergy
10739003 FERRALYN LANACAPS - Unable to verify identity of DOD allergy



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

10739008 FEOSOL - Unable to verify identity of DOD allergy - may be ferrous sulfate, iron carbonyl, or polysaccharide iron complex and heme iron polypeptide
10739009 IRON CAPS SR - Unable to verify identity of DOD allergy
10739020 SIDEROL - Unable to verify identity of DOD allergy
10739024 HEMATINIC - HEMANTINIC may also contain folic acid
10739027 ALBAFORT - ALBAFORT may also contain vit B12
10739028 IROMAR - Unable to verify identity of DOD allergy
10739032 BREWON - Unable to verify identity of DOD allergy
10739038 GENTLE IRON - GENTLE IRON contains ferrous bisglycinate, vit C, vit B12, and folic acid
10739042 FEOSOL - Unable to verify identity of DOD allergy - may be ferrous sulfate, iron carbonyl, or polysaccharide iron complex and heme iron polypeptide
10739045 FEOSOL - Unable to verify identity of DOD allergy - may be ferrous sulfate, iron carbonyl, or polysaccharide iron complex and heme iron polypeptide
10739046 IRON - DOD entry not descriptive
10995006 VITAMIN D - DOD entry not descriptive
11163014 GAVISCON - GAVISCON contains aluminum hydroxide and magnesium carbonate/magnesium hydroxide (not calcium carbonate)
11163033 MYLANTA - Regular MYLANTA contains magnesium hydroxide, aluminum hydroxide, and simethicone (no calcium carbonate)
11163036 MAALOX - Unable to verify DOD entry ingredients
11163042 MYLANTA ULTRA - MYLANTA ULTRA also contains magnesium hydroxide
11163048 ROLAIDS - ROLAIDS also contains magnesium hydroxide
11163059 ROLAIDS EXTRA STRENGTH - ROLAIDS EXTRA STRENGTH also contains magnesium hydroxide
11340005 NVP - Unable to verify DOD entry ingredients
11340006 NVP S/F - Unable to verify DOD entry ingredients
11340007 NATURAL FIBER LAXATIVE - Unable to verify DOD entry ingredients
11340010 NATURAL FIBER LAXATIVE - Unable to verify DOD entry ingredients
11340022 NATURAL VEGETABLE POWDER - Unable to verify DOD entry ingredients
IP 11340025 RESTORE - Unable to verify DOD entry ingredients



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

11340026 INAGRA - Unable to verify DOD entry ingredients
11340028 LAXATIVE VEGETABLE - Unable to verify DOD entry ingredients
11340034 NATURACIL - Unable to verify DOD entry ingredients
11340037 NATURAL VEGETABLE LAXATIVE - Unable to verify DOD entry ingredients
11340038 NATURAL VEGETABLE - Unable to verify DOD entry ingredients
11340040 NATURAL FIBER - Unable to verify DOD entry ingredients
11340041 FIBER SUPPLEMENT - Unable to verify DOD entry ingredients
11340042 NATURAL FIBER LAX - Unable to verify DOD entry ingredients
11340045 SIBLIN - Unable to verify DOD entry ingredients
11340048 FIBER LAXATIVE - Unable to verify DOD entry ingredients
11340049 FIBER THERAPY - Unable to verify DOD entry ingredients
11340050 METAMUCIL - Unable to verify DOD entry ingredients
11340082 NATURAL VEGETABLE FIBER - Unable to verify DOD entry ingredients
11460034 NORDETTE-8 - Name might be Nordette 28
11460035 LEVLEN 8 - Name might be Levlen 28
11681022 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681023 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681024 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681025 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681027 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681029 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681030 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681031 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
11681032 RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

11807003 PAIN RELIEVER - DOD entry not descriptive

11807025 PAIN RELIEF - DOD entry not descriptive

11807028 ANALGESIC - DOD entry not descriptive

11807047 PAIN-RELIEVER - DOD entry not descriptive

11854014 BUTALBITAL W/ACETAMINOPHEN - DOD entry is missing caffeine

12340003 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340014 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340023 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340032 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340041 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340050 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340059 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340068 MUDD (DO NOT USE, NOT SCREENED) - Unable to verify identity of DOD allergy

12340077 MUDD - Unable to verify identity of DOD allergy

12465000 SALICYLIC ACID - Unable to verify identity of DOD entry

12465008 ACNE CLEANSING - Unable to verify identity of DOD entry

12465009 CLEARSKIN - Unable to verify identity of DOD entry

12465013 ACNE CLEANSING PADS - Unable to verify identity of DOD entry

12465014 SALIGEL - Unable to verify identity of DOD entry

12465015 DUOPLANT - Unable to verify identity of DOD entry

12465016 CALICYLIC - Unable to verify identity of DOD entry

12465017 SALACID - Unable to verify identity of DOD entry

12465024 THERAC - Unable to verify identity of DOD entry

12465025 ACNOTEX - Unable to verify identity of DOD entry



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

12465026 FINAC ACNE TREATMENT - Unable to verify identity of DOD entry
12465027 OXY NIGHTWATCH - Unable to verify identity of DOD entry
12465028 LISTEREX SCRUB HERBAL - Unable to verify identity of DOD entry
12465029 LISTEREX SCRUB GOLDEN - Unable to verify identity of DOD entry
12465030 CORN REMOVING - Unable to verify identity of DOD entry
12465031 WART REMOVER - Unable to verify identity of DOD entry
12465032 CORN LIQUID - Unable to verify identity of DOD entry
12465034 WART REMOVING - Unable to verify identity of DOD entry
12465035 WART FIX - Unable to verify identity of DOD entry
12465036 SALASTRINGE - Unable to verify identity of DOD entry
12465040 MAXIMUM STRENGTH WART REMOVER - Unable to verify identity of DOD entry
12465044 DUOFILM - Unable to verify identity of DOD entry
12465046 X-SEB - Unable to verify identity of DOD entry
12465047 TISEB - Unable to verify identity of DOD entry
12465048 THERAPEUTIC SHAMPOO - Unable to verify identity of DOD entry
12465049 IONIL PLUS - Unable to verify identity of DOD entry
12465050 SEBORID - Unable to verify identity of DOD entry
12465051 T/SAL - Unable to verify identity of DOD entry
12465052 SAL-ACID - Unable to verify identity of DOD entry
12465054 SAL-PLANT - Unable to verify identity of DOD entry
12465055 DR SCHOLL'S CORN SALVE - Unable to verify identity of DOD entry
12465056 BETASAL - Unable to verify identity of DOD entry
12465057 VIRANOL GEL ULTRA - Unable to verify identity of DOD entry
12465058 FUNG-O - Unable to verify identity of DOD entry



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

12465059	TRANS-VER-SAL - Unable to verify identity of DOD entry
12465062	PLANTARPATCH - Unable to verify identity of DOD entry
12465063	CLEAR BY DESIGN - Unable to verify identity of DOD entry
12465065	MEDICATED ACNE PAD - Unable to verify identity of DOD entry
12465066	NEUTROGENA OIL FREE ACNE WASH - Unable to verify identity of DOD entry
12465068	HEALTHY SCALP SHAMPOO - Unable to verify identity of DOD entry
12465070	DERMALAB X5 - Unable to verify identity of DOD entry
12465071	OXY BALANCE - Unable to verify identity of DOD entry
12465073	CORN REMOVERS - Unable to verify identity of DOD entry
12465075	SCALP-AID - Unable to verify identity of DOD entry
12465076	AVEENO ACNE CLEANSER - Unable to verify identity of DOD entry
12465077	SALEX - Unable to verify identity of DOD entry
12465078	CALLUS REMOVERS - Unable to verify identity of DOD entry
12608001	VICKS EXTRA STRENGTH - Unable to verify DOD allergy
12608002	VICKS THROAT DROPS - Unable to verify DOD allergy
12608003	COUGH SUPPRESSANT - Unable to verify DOD allergy
12608004	CHERACOL COUGH/SORE THROAT - Unable to verify DOD allergy
12608005	N'ICE - Unable to verify DOD allergy
12608006	EUCALYPTAMINT - Unable to verify DOD allergy
12608007	COOL GEL - Unable to verify DOD allergy
12608008	PAIN RELIEF GEL - Unable to verify DOD allergy
12608009	PENETRATING ICY RUB - Unable to verify DOD allergy
12608010	MINERAL ICE - Unable to verify DOD allergy
12608011	BLUE GEL MUSCULAR RELIEF - Unable to verify DOD allergy



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

12608012 THERAPEUTIC BLUE GEL - Unable to verify DOD allergy
12608013 DEEP THERAPY CRYSTAL GEL - Unable to verify DOD allergy
12608014 DOLOXYL - Unable to verify DOD allergy
12608015 WONDER ICE - Unable to verify DOD allergy
12608016 RELIEV-ALL 1-2-3 - Unable to verify DOD allergy
12608017 ICE BLUE CHIRO - Unable to verify DOD allergy
12608019 PAIN RELIEVING GEL - Unable to verify DOD allergy
12608020 PAIN RELIEF - Unable to verify DOD allergy
12608021 ACHE EZE - Unable to verify DOD allergy
12608022 SOLAR ICE - Unable to verify DOD allergy
12608023 THERAPEUTIC PAIN RELIEF - Unable to verify DOD allergy
12608024 FOOTMEDIC - Unable to verify DOD allergy
12608025 COOL HOT GEL - Unable to verify DOD allergy
12608026 COOL HOT - Unable to verify DOD allergy
12608027 FLEX-ALL 454 - Unable to verify DOD allergy
12608029 REFLEX PAIN RELIEF - Unable to verify DOD allergy
12608030 COOL-HOT GEL - Unable to verify DOD allergy
12608031 PAIN RELIEVING - Unable to verify DOD allergy
12608032 ANALGESIC GEL - Unable to verify DOD allergy
12608033 PAIN RELIEF - Unable to verify DOD allergy
12608034 THERA-ICE - Unable to verify DOD allergy
12608035 THERMOJEL - Unable to verify DOD allergy
12608036 THERMO ICE - Unable to verify DOD allergy
12608037 COOL N HOT - Unable to verify DOD allergy



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

12608038 BEN GAY WARMING ICE - Unable to verify DOD allergy
12608039 BEN GAY DAYTIME - Unable to verify DOD allergy
12608040 BLUE GEL - Unable to verify DOD allergy
12608041 ARTH-RELIEF - Unable to verify DOD allergy
12608042 EXTERNAL PAIN RELIEVING GEL - Unable to verify DOD allergy
12608044 THERAPEUTIC BLUE ICE - Unable to verify DOD allergy
12608045 COOL BLUE ICE - Unable to verify DOD allergy
12608047 ACHE-EZE MINERAL ICE - Unable to verify DOD allergy
12608049 CURTAL - Unable to verify DOD allergy
12608050 SALONSIP AQUA-PATCH - Unable to verify DOD allergy
12608051 VICKS COUGH DROPS - Unable to verify DOD allergy
12608052 BIOFREEZE W/ILEX PAIN RELIEVER - Unable to verify DOD allergy
12608053 BEN GAY VANISHING SCENT - Unable to verify DOD allergy
12608054 CHLORASEPTIC - Unable to verify DOD allergy
12608055 COUGH DROPS - DOD entry not descriptive
12608056 PENETRATING RELIEF - Unable to verify DOD allergy
12608058 MUSCLE RELIEF - Unable to verify DOD allergy
12608059 ROBITUSSIN - DOD entry (ROBITUSSIN) may be mis-mapped
12608060 FLEX GEL - Unable to verify DOD allergy
12608061 BENGAY VANISHING SCENT - Unable to verify DOD allergy
12608062 BENGAY DAYTIME - Unable to verify DOD allergy
12608063 NEOTUSS COUGH/SORE THROAT - Unable to verify DOD allergy
12608064 STOPAIN - Unable to verify DOD allergy
12608065 BIOFLEXOR - Unable to verify DOD allergy



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

12608066 GOLD BOND - Unable to verify DOD allergy
12608067 MENTHOLATUM - Unable to verify DOD allergy
12608068 MUSCLE RUB - Unable to verify DOD allergy
12608069 V-R PAIN RELIEVING - Unable to verify DOD allergy
12608070 THROAT LOZENGE - DOD entry not descriptive
12608071 MEDIKOFF - Unable to verify DOD allergy
12608073 BIOFREEZE - Unable to verify DOD allergy
12608074 AQUA-GEL - Unable to verify DOD allergy
12608075 ROBITUSSIN COUGH DROPS - Unable to verify DOD allergy
12608076 COLD & HOT MEDICATED - Unable to verify DOD allergy
12608077 COLD & HOT EXTRA STRENGTH - Unable to verify DOD allergy
12608078 GOLD BOND MEDICATED FOOT - Unable to verify DOD allergy
12608079 GOLD BOND FOOT - Unable to verify DOD allergy
12608080 FOOT POWDER - Unable to verify DOD allergy
12608081 ABSORBINE JR - Unable to verify DOD allergy
12608082 ICY HOT PAIN RELIEVING - Unable to verify DOD allergy
12608083 NATURAL HERB - DOD entry not descriptive
12608084 ASPERCREME HEAT - Unable to verify DOD allergy
12608085 THERAPY ICE - Unable to verify DOD allergy
12867000 OBAGI NU-DERM - Unable to verify identity of DOD entry
12867018 NEOSPORIN - Unable to verify DOD allergy
13368048 C-SPORIN - Unable to verify DOD entry ingredients
13368057 WESTCORT - DOD entry (WESTCORT) may refer to hydrocortisone valerate
13369002 ANTIBIOTIC - DOD entry not descriptive



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

13369006	DOUBLE ANTIBIOTIC - DOD entry (DOUBLE ANTIBIOTIC) contains polymyxin B/bacitracin, not neomycin
13369012	NEOSPORIN - DOD entry (NEOMYCIN) also contains bacitracin
13370001	NEOMIXIN - DOD entry (NEOMIXIN) also contains bacitracin
13383014	POLYMYXIN - Unable to verify DOD allergy
13801005	RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
13801011	RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
13803001	DY-O-DERM - Unable to verify DOD entry ingredients
13803002	CARRA SCENT - DOD entry (CARRA SCENT) contains ethyl alcohol and methyl alcohol, not isopropyl alcohol
13803003	CARRINGTON ODOR ELIMINATOR - DOD entry (CARRINGTON ODOR ELIMINATOR) contains ethyl alcohol and methyl alcohol, not isopropyl alcohol
13803004	RUBBING ALCOHOL - DOD entry (RUBBING ALCOHOL) may be isopropyl alcohol or ethyl alcohol
13803008	MAJOR PEP - Unable to verify DOD entry ingredients
13803009	INSTRUMENT STERILIZING - Unable to verify DOD entry ingredients
13803012	UMLICLEAN - Unable to verify DOD entry ingredients
13814000	SESAME OIL - Vehicle or Food
14137012	ANTI-FUNGAL - Unable to verify DOD allergy
14263001	ANTISEPTIC SWABS - Unable to verify DOD allergy
14263002	ADAPT - Unable to verify DOD allergy
14265000	ANTISEPTIC SOLUTION - DOD entry not descriptive
14572000	POTASSIUM CHLORIDE/POT BICARB - DOD entry (POTASSIUM CHLORIDE/POT BICARB) also contains potassium bicarbonate
14572002	POT BICARB/POTASSIUM CHLORIDE - DOD entry (POT BICARB/POTASSIUM CHLORIDE) also potassium bicarbonate
15157	HYDONE - HYDONE can refer to a number of drugs
17052	ST. JOSEPH - Unable to verify identity of DOD entry
2084	YEAST-X - Unable to verify identity of DOD entry
2113	GMD - Unable to verify identity of DOD entry



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

22005 EFED II - Unable to verify identity of DOD entry

2500 BACTINE - Unable to verify identity of DOD entry

2544 P.P.C. - Unable to verify identity of DOD entry

29104 SUMMER'S EVE - DOD entry not descriptive

29106 MEDICATED DOUCHE - Unable to verify DOD allergy

29107 CONCENTRATED MEDICATED DOUCHE - Unable to verify DOD allergy

29108 SWEET'N FRESH - Unable to verify DOD allergy

29110 CLINIDINE MEDICATED DOUCHE - Unable to verify DOD allergy

29111 DISPOSABLE DOUCHE - DOD entry not descriptive

29115 AERODINE - Unable to verify DOD allergy

29123 IODEX-P - Unable to verify DOD allergy

29124 MALLISOL - Unable to verify DOD allergy

29126 PERI-WASH - Unable to verify DOD allergy

29137 SEPTISOL - DOD entry (SEPTISOL) contains hexachlorophene, not povidone iodine

29138 ANTISEPTIC SCRUB - Unable to verify DOD allergy

29162 SUGARDYNE - DOD entry (SUGARDYNE) has many formulations; may not contain povidone iodine

29170 ANTISEPTIC SWABS - DOD entry not descriptive

29176 SUMMER'S EVE DISPOSABLE DOUCHE - DOD entry not descriptive

3061 STANBACK ANALGESIC - DOD entry also contains caffeine

3062 STANBACK MAX ANALGESIC - DOD entry also contains caffeine

3142 TRENDAR - Unable to verify DOD allergy

3273 ARTHRITIS FOUNDATION - Unable to verify DOD allergy

3275 BAYER SELECT - Unable to verify DOD allergy

3276 BACKACHE - Unable to verify DOD allergy



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

4849036 RANICLOR - RANICLOR used for both cefaclor and ranitadine tablets - verify DOD source identity

4850050 SUMMER'S EVE - Unable to verify identity of DOD entry

4850090 SUMMER'S EVE CREAM - Unable to verify identity of DOD entry

4851005 MIDOL CRAMP - Unable to verify DOD allergy

4851020 PEDIACARE - Unable to verify DOD allergy

4851071 CORN/CALLUS REMOVER - Unable to verify identity of DOD entry

4851090 MG217 SAL-ACID - Unable to verify identity of DOD entry

4851094 SALEX - Unable to verify identity of DOD entry

4851109 PSORIASIS MEDICATED - Unable to verify identity of DOD entry

4851112 KERALYT - Unable to verify identity of DOD entry

4851113 SCALPICIN - Unable to verify identity of DOD entry

4851116 CLEANSING PADS - Unable to verify identity of DOD entry

4851117 ACNE PADS - Unable to verify identity of DOD entry

4851118 RE SA - Unable to verify identity of DOD entry

4851121 AKURZA - Unable to verify identity of DOD entry

4851122 ANALGESIC - DOD entry not descriptive

4851126 SALITOP - Unable to verify identity of DOD entry

4851127 LIQUID WART REMOVER - Unable to verify identity of DOD entry

4851129 PORE UNCLOGGING - Unable to verify identity of DOD entry

4851130 ACNE CLEANSER - Unable to verify identity of DOD entry

4851132 PAIN RELIEF - Unable to verify DOD allergy

5057009 ANTISEPTIC - DOD entry not descriptive

5057049 MEDI-SCRUB - DOD entry (MEDI-SCRUB) may contain chloroxylonol rather than povidone iodine

5057054 SUMMER'S EVE DOUCHE - DOD entry not descriptive



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

5454088 CHILDREN'S ALLERGY RELIEF - Unable to verify DOD allergy

5454096 CHILD ALLERGY RELIEF - Unable to verify DOD allergy

5454119 NUPRIN ALLERGY RELIEF - Unable to verify DOD allergy

55004 IRODEX - Unable to verify DOD entry ingredients

55005 NORFERAN - Unable to verify DOD entry ingredients

55006 K-FERON - Unable to verify DOD entry ingredients

55007 NOREFMI - Unable to verify DOD entry ingredients

55008 PRI-DEXTRA - Unable to verify DOD entry ingredients

5552004 HEARTBURN RELIEF - Unable to verify identity of DOD entry

5552007 ACID REDUCER - DOD allergy not verifiable

5552016 V-R ACID REDUCER - DOD entry (V-R ACID REDUCER) contains ranitadine, not famotidine

5552020 HEARTBURN - Unable to verify identity of DOD entry

5552026 HEARTBURN PREVENTION - DOD allergy not verifiable

5552028 ACID CONTROLLER - DOD allergy not verifiable

5552029 ACID CONTROL - DOD allergy not verifiable

5552032 ACID RELIEF - Unable to verify identity of DOD entry

5652007 ZEGERID - DOD entry (ZEGRID) contains omeprazole and sodium bicarbonate

6652008 DESENEX - Unable to verify DOD allergy

6652011 VAGINAL 3-DAY - Unable to verify DOD allergy

6652021 CRUEX - Unable to verify DOD allergy

6652023 3-DAY VAGINAL - Unable to verify DOD allergy

6652026 3 DAY VAGINAL - Unable to verify DOD allergy

6652035 ANTIFUNGAL - Unable to verify DOD allergy

6652041 ATHLETE'S FOOT



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

6652046 JOCK ITCH - Unable to verify DOD allergy
6652047 3-DAY VAGINAL CREAM - Unable to verify DOD allergy
6652049 JOCK ITCH RELIEF - Unable to verify DOD allergy
6668006 METAMUCIL - Unable to verify DOD entry ingredients
6988032 MYLANTA - Regular MYLANTA contains magnesium hydroxide, aluminum hydroxide, and simethicone (no calcium carbonate)
6988036 MAALOX - Unable to verify DOD entry ingredients
6988042 MYLANTA ULTRA - MYLANTA ULTRA also contains magnesium hydroxide
6988047 ROLAIDS - ROLAIDS also contains magnesium hydroxide
6988048 ALKA-SELTZER - Regular ALKA_SELTZER contains anhydrous citric acid, aspirin, and sodium bicarbonate (no calcium carbonate)
6988064 GAVISCON - GAVISCON contains aluminum hydroxide and magnesium carbonate/magnesium hydroxide (not calcium carbonate)
6988067 ROLAIDS EXTRA STRENGTH - ROLAIDS EXTRA STRENGTH also contains magnesium hydroxide
7285001 PAIN PADS - Unable to verify DOD allergy
7285002 COLD & HOT EXTRA STR - Unable to verify DOD allergy
7285003 ARTHRITIS PAIN RELIEVER - Unable to verify DOD allergy
7285004 BENGAY - Unable to verify DOD allergy
7285005 HOT & COLD - Unable to verify DOD allergy
7285006 COLD & HOT - Unable to verify DOD allergy
7285007 BENGAY ULTRA STRENGTH - Unable to verify DOD allergy
7285008 BLUE ICE - Unable to verify DOD allergy
7285009 THERAPEUTIC BLUE - Unable to verify DOD allergy
7285010 ICY HOT - Unable to verify DOD allergy
7285011 NUPRIN - DOD entry (NUPRIN) may be ibuprofen
7285012 SORE THROAT LOZENGE - DOD entry not descriptive
7285013 THERAPEUTIC MINERAL ICE - Unable to verify DOD allergy



List of DOD Allergens with Mapping Issues, cont'd

DOD Allergen Entries with Mapping Issues

7285014 MINERAL FREEZ - Unable to verify DOD allergy

7285015 DIABETIC TUSSIN - DOD entry (DIABETIC TUSSIN) appears to be mis-mapped

7285016 COOL & HEAT - Unable to verify DOD allergy

7285017 PAIN RELIEVING PATCH - DOD entry not descriptive

7285019 ICE GEL - Unable to verify DOD allergy

7285020 COLD & HOT PAIN RELIEF - Unable to verify DOD allergy

7285021 HOT & COLD EXTRA STRENGTH - Unable to verify DOD allergy

7350016 FEOSOL - Unable to verify identity of DOD allergy - may be ferrous sulfate, iron carbonyl, or polysaccharide iron complex and heme iron polypeptide

7350046 FEOSOL - Unable to verify identity of DOD allergy - may be ferrous sulfate, iron carbonyl, or polysaccharide iron complex and heme iron polypeptide

7350047 IRON - DOD entry not descriptive

75003 ALTEX - Unable to verify DOD entry

7553001 VITAMIN D - DOD entry not descriptive