Emtree Terms Added and Changed (May 2016)

This is an overview of new terms added and changes made in the second Emtree release in 2016.

Overall, Emtree has grown by 795 preferred terms (134 drug terms and 661 non-drug terms) compared with the previous version released in January 2016. In total Emtree now counts 73,922 preferred terms.

Because the terms added include replacements for existing preferred terms (which become synonyms of the new terms) as well as completely new concepts, the number of terms added exceeds the net growth in Emtree. Other changes could include the merging of two or more existing preferred terms into a single concept.

The terms added and changed are summarized below and specified in detail on the following pages.

Emtree Terms Added in May 2016

858 new terms (including 63 replacement terms and promoted synonyms) have been added to Emtree as preferred terms in version May 2016 (compared to January 2016):

- 146 drug terms (terms assigned to the Chemicals and Drugs facet).
- 712 non-drug terms (terms not assigned as Chemicals and Drugs).

The new terms (including the replacement terms and the promoted synonyms) are listed as *Terms Added* on the following pages. Note that many of these terms will have been indexed prior to 2016 (typically as candidate terms), sometimes for several years, before they were added to Emtree.

Emtree Terms Changed in May 2016

63 terms (12 drug terms and 51 non-drug terms) from Emtree January 2016 have been <u>replaced</u> by 63 different terms in May 2016 (12 drug terms and 51 non-drug terms).

Of these, 61 terms (10 drug terms and 51 non-drug terms) are new (e.g. new generic names for drug chemical names) and have been assigned creation date 2016; the remaining 2 replacement terms (2 drug terms and no non-drug terms) were already present in Emtree.

No drug terms were replaced by a non-drug term, no non-drug terms were replaced by a drug term. No preferred terms were deleted.

Changes are presented in alphabetical order of the *new* terms.

Drug terms

1 [1 (4 acetoxy 3,3 dimethyl 2 oxobutyl) 2,3 dihydro 2 oxo 5 (2 pyridinyl) 1h 1,4 benzodiazepin 3 yl] 3 (3 methylaminophenyl)urea

1,2,3,4 tetrahydro 6 (4' trifluoromethyl 6 methoxy 2 biphenylylcarboxamido) 2 isoquinolinecarboxylic acid phenyl ester

1,2,3,7 tetrahydro 3 tetrahydrofurfuryl 2 thioxo 6h purin 6 one

16alpha fluoroestradiol f 18

2 (2 chlorobenzylidene) hydrazinecarboximidamide 2 [5 [5 (5 chloro 2 pyridinylthio) 2 (4 fluorophenyl) 4 oxazolyl] 2 pyridinyl] 2 propanol

2 [6 (2,5 dimethoxyphenyl) 3,4 dihydro 4 oxo 2 thioxo 1(2h) pyrimidinyl]acetamide

2 [6 (5 chloro 2 methoxyphenyl) 3,4 dihydro 4 oxo 2 thioxo 1(2h) pyrimidinyl]acetamide

2 [[[[5 (4 aminopyrrolo[2,1 f][1,2,4]triazin 7 yl) 5 cyano 3,4 dihydroxytetrahydrofuran 2 yl]methoxy](phenoxy)phosphoryl]amino]propan oic acid 2 ethylbutyl ester

3 (2 ethoxypropyl) 2,3 dihydro 2 thioxo 1h purin 6(9h) one

3 [1 [cyclohexyl(methyl)carbamoyl] 1h imidazol 4 yl]pyridine 1 oxide

4 aminobenzohydrazide

4 aminobutanoylglycylglutaminylarginyl alpha

glutamylthreonylprolyl alpha glutamylglycylalanyl alpha

glutamylalanyllysylprolyltryptophyltyrosylasparti c acid

4' [[(2 ethoxy 1 methyl 2

oxoethyl)amino](phenoxy)phospho]pantothenic acid methyl ester

4' chloromethyl 2' deoxy 2' fluorocytidine 3',5' diisobutyrate

4' trifluoromethyl 2 biphenylcarboxylic acid [1,2,3,4 tetrahydro 2 (2h 1,2,4 triazol 3 ylmethyl) 6 isoquinolinyl]amide

5 [(1,1' biphenyl 4 yl)methyl] n,n dimethyl 1h

tetrazole 1 carboxamide

5 aminolevulinate synthase inhibitor 5 tetradecyloxy 2 furoic acid

acebilustat

acetyl coenzyme A carboxylase inhibitor acetylsalicylic acid plus bisoprolol

adagloxad simolenin alalevonadifloxacin albusomatropin asunercept avacopan bazlitoran

beclometasone dipropionate plus formoterol fumarate plus glycopyrronium bromide

bevacizumab beta

bictegravir plus emtricitabine plus tenofovir

alafenamide

birch bark extract

blood clotting factor 10 concentrate

brimapitide burosumab cabiralizumab carotuximab CD271 antigen cefiderocol cemdisiran

cinchocaine plus secobarbital closantel plus ivermectin

complement component C5a receptor antagonist

complement receptor affecting agent complement receptor antagonist

dapansutrile dental amalgam deudextromethorphan dexisometheptene dexisometheptene mucate

dinotefuran plus permethrin plus pyriproxyfen

diphtheria toxin interleukin 3

diprophylline plus ephedrine plus guaifenesin plus

phenobarbital

dociparstat

dolutegravir plus rilpivirine

edasalonexent edonerpic esaxerenone

exon 44 specific phosphorothioate oligonucleotide

galcanezumab galidesivir

galidesivir triphosphate

givosiran glesatinib gsk 3196165

imidacloprid plus permethrin

inclisiran inotersen intepirdine

isocitrate dehydrogenase inhibitor

itacitinib ivosidenib laprituximab

laprituximab emtansine lenadogene nolparvovec

lendalizumab leniolisib

leukotriene A4 hydrolase inhibitor

levetiracetam levoketoconazole levonadifloxacin lumateperone

meropenem plus vaborbactam mesmulogene ancovacivec metal ceramic alloy

mipeginterferon alpha2b

mizagliflozin

myeloperoxidase inhibitor

n (4 chloro 3 pyridinyl) 4 [(2,2 difluoro 1,3

benzodioxol 5 yl)methyl] 1 piperazinecarboxamide

n (4 dimethylaminobenzyl) 1,2,3,4 tetrahydro n (4

isopropylphenyl) 7 methoxy 1 naphthalenecarboxamide

n (4 methoxyphenyl) n,2,6 trimethylfuro[2,3

d]pyrimidin 4 amine

n [2 cyclohexylamino 1 (2 methylphenyl) 2 oxoethyl] n (3 fluorophenyl) 2 methyl 1h

imidazole 1 acetamide

n [3 (4 benzylphenoxy)propyl] n methyl beta

alanine

n [5 [2 (2,5 difluorophenyl) 1

pyrrolidinyl]pyrazolo[1,5 a]pyrimidin 3 yl] 3

hydroxy 1 pyrrolidinecarboxamide

n cyclopropyl 4 (3 thienyl) 3 [[[[3

(trifluoromethyl)phenyl]amino]carbonyl]amino]

benzenesulfonamide

n,n bis(1,3 benzodioxol 5 ylmethyl) 1 butyl 2,4

diphenyl 1h imidazole 5 methanamine

nafithromycin nalbuphine sebacate

naquotinib

naratuximab naratuximab emtansine

navamepent navicixizumab nazartinib nicodicosapent nirogacestat nolasiban

ofranergene obadenovec

olmutinib

olumacostat glasaretil

omidenepag

oteseconazole

pogalizumab

prexigebersen

prezalumab

recanaclotide

redaporfin

remetinostat

revefenacin

rhizopuspepsin

rivabazumab

ro 6867461

ruzasvir

saflufenacil

sapelizumab

sar 156597

satoreotide trizoxetan

seviteronel

sitravatinib

sofpironium bromide

suptavumab

talinexomer

tarloxotinib

tenalisib

timolumab

upadacitinib

vadastuximab

valerylsalicylic acid

vamorolone

venglustat

verdiperstat

vestronidase alfa

vobarilizumab

voretigene neparvovec

xentuzumab Zika virus vaccine

Non-drug terms

abdominal cavity

abomasum

accessory basal nucleus activation analysis active immunotherapy adherens junction adjuvant radiotherapy

adrenocortical function test advertising **Afrikaans** Agama (genus) air pressure Alabama

alaryngeal speech

Alaska Alberta Altai Republic

ambulatory electrocardiography

ampulla of Vater amygdala anal mucosa anchoring junction ankle replacement answering service

antibody-coated bacteria test

antler

aortic ring (slice) appendicular skeleton Arabic (language) Arabic script Arizona Arkansas

arm bone arterial embolization

artificial embolization artificial pneumoperitoneum

arytenoid cartilage

atrial strip

auditory evoked potential

auditory fatigue

auricle

auricular acupuncture **Australian Capital Territory**

axillary nerve

axon

Baja California Baja California Sur

bakery product bakery worker

barley powdery mildew

basal forebrain Bashkortostan

bile canaliculus biopolymer structure biscuit

blepharoconjunctivitis

blogging

blood volume determination body surface potential mapping

bolt nut washer

bone age determination bone microarchitecture

breakfast cereal **British Columbia** Broca area

bronchiole epithelium

brush border membrane vesicle

Buryatia California

Cantonese (language) cardiac muscle cardiac muscle cell cardiac myoblast case fatality rate

caudal trigeminal nucleus

cd-i cd-rom

cell culture technique cell nuclear structure

cellulose acetate electrophoresis cementoenamel junction

cereal-based diet cervical vertebra Channel Islands

Chechnya chemexfoliation

chia

Chinese (language) Chinese script

chromosomal mapping

Chukotka Chuvashia

clathrin-coated vesicle client centered therapy

clinical decision support system closed circuit anesthesia

coccygeal vertebra

coccyx

cochlear hair cell Cocos Island

cognitive behavioral therapy

collapse therapy collateral artery collateral ligament collateral vein

color Doppler echocardiography

color Doppler flowmetry

Colorado

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combination drug therapy commissural interneuron common hepatic duct

communicable disease control communicating junction conditioned medium

conformal radiotherapy

Connecticut

conserved sequence contact isolation

continent urinary reservoir

COP-coated vesicle COPI-coated vesicle

COPII-coated vesicle Cornell medical index corniculate cartilage coronary angiography

coronary atherectomy Creole (language) Creole (people) cricoid cartilage

Crimea cuboid bone cuneiform bone cuneiform cartilage Cyrillic script

database management system de novo acute myeloid leukemia

Delaware

Dagestan

dental age estimation

dental casting dental curettage dental deposit

dental light-curing dental pulp cavity dental self-curing

dental tissue dentin permeability dentinal fluid denture design

denture rebasing depilation

desensitization (psychology)

Devanagari

dietary supplement

differential thermal analysis

dilatation and curettage

direct calorimetry

direct fluorescent antibody technique

disarticulation disc electrophoresis disease notification District of Columbia dna mutational analysis

doppler effect

Doppler ultrasonography

dorsal region dorsal striatum dorsal subiculum drug chronotherapy

duplex Doppler ultrasonography

early cancer diagnosis

eccrine gland

Edwards personal preference schedule

effective kidney plasma flow Egyptian hieroglyphics elbow replacement electronic health record

electronic medical record system

electronic patient record

electrotherapy enamel organ endocrine pancreas endolymphatic duct

endoscopic ultrasonography engineered heart tissue engineered tissue

England

English (language) enterosorption epidural analgesia

epilation

epithelial attachment Escherichia coli B

Evenkia exenteration exocrine pancreas

experimental coronary artery occlusion

experimental injury

experimental traumatic brain injury

explosive decompression

exposure therapy

external cephalic version

external version

extracorporeal shock wave lithotripsy

extrahepatic bile duct extrapleural pneumolysis

eye enucleation eye evisceration

eye movement desensitization and reprocessing

Fallopian tube fetal version finger replacement

fish roe

flame ionization detection

Florida folklore food grain foot bone foot joint fortified food freeze substitution

French (language)

full time employment

functional orthodontic appliance

gastric hypothermia gastroesophageal junction genetic association study

genetic variation geniculate ganglion

genome-wide association study

Georgia (U.S.) German (language) gestalt psychology

gizzard

glandular stomach glyoxysome

graft versus tumor effect

grain legume

grape powdery mildew grass powdery mildew

Great Britain Greek (language) Greek script Guangxi Guernsey hair removal Haitian Creole

Hangul Hanja Hawaii health student heart septum Hebrew (language) hemiarthroplasty hemostatic technique

hemp seed

heterologous artificial insemination

hieroglyphics

high frequency electrotherapy high frequency jet ventilation

Hindi

Hindustani (language) Hindustani (people) hip replacement Hiragana

hock

hockey player home infusion therapy

homologous artificial insemination

hospital mortality

hotline

Human cytomegalovirus (strain AD169) Human cytomegalovirus (strain Davis)

humerus shaft fracture

hysterosalpingo contrast sonography hysterosalpingo foam sonography

Idaho

ideal body weight

Illinois

immunocompromised patient implantable infusion pump

implosive therapy

Indiana

indirect calorimetry

indirect fluorescent antibody technique

Indonesian (language)

induced pluripotent stem cell

infant incubator inferior olivary nucleus infusion therapy inguinal fat pad ink blot test Inner Mongolia insecticide treated net

insemination

insulin coma therapy interatrial septum interdental papilla internal podalic version

internal version

interscapular brown adipose tissue interventional ultrasonography

interventricular septum involuntary sterilization

Iowa

iris pigment epithelium

Isle of Man isolation isolation facility isolation hospital isopycnic centrifugation Italian (language)

Jersev

Kabardino-Balkaria

Kalmvkia Kana Kanji Kansas Katakana Kennel cough Kentucky

Khakassia

Khanty-Mansi Autonomous Okrug - Yugra

knee replacement Komi Republic kymography labial frenum

laboratory information system laparoscopic cholecystectomy

large intestine mucosa laser evoked potential

Lasiurus

lateral collateral ligament lateral pterygoid muscle

latex allergy Latin (language)

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Latin script motor evoked potential lazaret mouth floor

leg bone movie lens (optics) musculocutaneous nerve

lens cortex Myotis myotis **leprosarium** navicular bone liana Nebraska

lingua franca Nenets Autonomous Okrug lod score neoadjuvant therapy Louisiana nerve transection (procedure)

low flow anesthesia neuroeffector junction low frequency electrotherapy neuromuscular junction

lower gastrointestinal tract Nevada

lower limb **New Brunswick** lumbar region New Hampshire lumbosacral region **New Jersey** Luria-Nebraska neuropsychological battery **New Mexico** Macacine herpesvirus 3 **New South Wales**

Maine New York

Malay (language) Newfoundland and Labrador

Malay-Indonesian night care male contraceptive device Ningxia

mammalian artificial chromosome non-medical student mammalian embryo non-therapeutic research Mandarin (language) nonglandular stomach

manifest anxiety scale nonmammalian embryo manikin normoblast Manitoba North Carolina manubrium North Dakota North Ossetia-Alania map Mari El Northern Ireland markov chain Northern Territory

Northwest Territories Maryland Massachusetts Nova Scotia maternal death Nunavut maternal exposure obstetric delivery medial collateral ligament occluding junction medial pterygoid muscle odontogenic epithelium

Ohio megaloblast meniscofemoral ligament oilseed meniscotibial ligament Oklahoma

medical electronics

metrazol convulsive therapy olfactory receptor neuron

olivary body Michigan microwave diathermy omasum microwave thermotherapy Ontario

midwifery student oogonium miniaturization operating room information system

office automation

Minnesota optical storage device Mississippi

orbital exenteration Oregon Missouri

mixed dentition organotherapy modem orthodontic retainer Montana orthomolecular medicine Mordovia otolithic membrane out-of-hours care mortality risk motor end plate oval window

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ovum palate muscle pancreatic duct papillary dermis parietal bone partial pressure

pastry

pastoral care

patellar ligament paternal exposure pathological tissue patient dropout

patient isolation pelvic cavity Pennsylvania periapical tissue periodontal dressing

periplasm

permanent employment permanent tooth Peronosporales personal computer pharyngectomy pharyngostomy photopheresis

physician order entry system

Pipistrellus

Pipistrellus pipistrellus pituitary function test

pneumolysis

pneumomediastinography point of care system polysaccharide structure popliteal ligament

poppy seed

Portuguese (language) posterior cruciate ligament poultry egg

poultry meat poultry product preclinical study premedical student

preserved food primary dentition Prince Edward Island

principal sensory trigeminal nucleus

probability theory

projective personality test prosthesis design prosthetic alignment prosthetic fitting prosthetic procedure prosthetic repair

prosthetic replacement

prosthodontics protective glove proventriculus

Pseudo-nitzschia pseudocereal pterygoid muscle public health student pulmonary artery ring (slice) pulsed Doppler echocardiography pulsed Doppler ultrasonography

pulvinus pyrotherapy quarantine quarantine station Quebec

Queensland radiation tolerance

radio

radiology information system radionuclide ventriculography

radiotherapy dosage rapid decompression RAW 264.7 cell line reading frame rectal artery refrigeration

removable orthodontic appliance

repeat cesarean section replacement arthroplasty Republic of Karelia

resin-bonded fixed partial denture

response evaluation criteria in solid tumors

reticular dermis reticulorumen reticulum retinal inner nuclear layer retinal inner plexiform layer retinal neuroepithelial layer

retinal outer nuclear layer retinal outer plexiform layer retinal pigment epithelium retinal rod outer segment

Rhode Island rhodococcosis

Rosenzweig picture-frustration study

rumen

rumen epithelium Russian (language)

saccule

Scotland

sacral vertebra

sacrococcygeal region saphenous artery Saprolegniales Saskatchewan school attendance school dropout school refusal scleroplasty

secondary acute myeloid leukemia

secondary immunization self-experimentation semicircular duct

sensory evoked potential sensory nerve ending sensory trigeminal nucleus

septal area septate junction serum-free medium sex selection

shock wave therapy short wave diathermy shoulder replacement simplified Chinese script single embryo transfer single tooth implant

sixteen personality factor questionnaire

skeletal muscle cell skeletal myoblast skin window technique slow decompression small-area analysis smooth muscle cell smooth muscle myoblast

soccer player

Society of Thoracic Surgeons score

software design software validation

somatosensory evoked potential

sorption detoxification

South Australia South Carolina South Dakota space suit

Spanish (language) Spemann organizer

sperm bank

spinal cord lateral horn spinal trigeminal nucleus

spinous process stapedius

stapes mobilization

starch gel electrophoresis

sternal body stifle

striated muscle striated muscle cell structural model structure model index

subcutaneous white adipose tissue

subliminal stimulation submucous plexus subrenal capsule assay

supraclavicular lymph node

surimi

Surinamese Creole Surinamese Hindustani survival analysis Swahili (language)

systematic evolution of ligands by exponential

enrichment aptamer technique

Szondi test Tasmania **Tatarstan**

tectorial membrane

temporomandibular joint disc

Tennessee Texas

thematic apperception test therapeutic research thermotherapy

thoracic aortic ring (slice)

thoracic surgeon thoracic vertebra thoracoplasty threshold limit value thyroid cartilage

Tibet time factor tongue frenulum tooth apex tooth by function tooth germ total arthroplasty total communication

total knee arthroplasty total shoulder arthroplasty traditional Chinese script

transcranial Doppler ultrasonography transcutaneous electrical nerve stimulation

transillumination

transistor

transplantation conditioning

transrectal high intensity focused ultrasound

transverse ligament transverse process treatment interruption

truancy

tubal patency test tumor stem cell assay

turkey meat

Tuva Udmurtia

ultrasound diathermy unerupted tooth universal precaution

upper limb Urdu Utah

uterine activity monitoring

uterine adnexa

uvula

vaginal birth after cesarean

vasa nervorum

Emtree Terms Added in May 2016 $\mid 10 \mid$

vascular access device ventilator weaning ventral subiculum ventriculocisternostomy

ventriculostomy

Vermont

vestibular hair cell

Victoria Virginia

visual evoked potential

vitelline duct Wales Washington West Virginia

Western Australia

wheat powdery mildew

wing Wisconsin

wolffian duct word processing wound tissue writing system Wyoming

x-ray intensifying screen

Xinjiang xiphoid bone Yakutia

Yamalo-Nenets Autonomus Okrug

yolk sac membrane

Yukon Zika fever Zika virus zona reticularis zonal centrifugation

zygote intrafallopian transfer

Drug terms

New or pre-existing term

* indicates pre-existing term

asunercept galcanezumab galidesivir galidesivir triphosphate

intepirdine nirogacestat nolasiban sultamicillin* tiprelestat*

venglustat verdiperstat

upadacitinib

Old (replaced) term

These terms become synonyms of the new term

asinercept ly 2951742 immucillin A immucillin A triphosphate

3 phenylsulfonyl 8 (1 piperazinyl)quinoline

pf 3084014 erlosiban duocid elafin

3 ethyl 4 (3h imidazo[1,2 a]pyrrolo[2,3 e]pyrazin 8 yl) n (2,2,2 trifluoroethyl) 1 pyrrolidinecarboxamide

1,2,3,5 tetrahydro 1 (2 isopropoxyethyl) 2 thioxopyrrolo[3,2 d]pyrimidin 4 one

Non-drug terms

New or pre-existing term

* indicates pre-existing term

advertising ampulla of Vater amygdala

artificial embolization auditory evoked potential

bolt nut washer cardiac muscle cardiac muscle cell cell culture technique

соссух

color Doppler flowmetry common hepatic duct cricoid cartilage

Doppler ultrasonography drug chronotherapy electrotherapy

endoscopic ultrasonography

experimental coronary artery occlusion experimental traumatic brain injury extracorporeal shock wave lithotripsy

Fallopian tube

Human cytomegalovirus (strain AD169) Human cytomegalovirus (strain Davis)

immunocompromised patient inferior olivary nucleus interatrial septum interventricular septum microwave thermotherapy motor evoked potential neuromuscular junction

obstetric delivery orthodontic retainer pancreatic duct patellar ligament patient dropout

principal sensory trigeminal nucleus

Pseudo-nitzschia

radionuclide ventriculography

RAW 264.7 cell line retinal inner nuclear layer retinal inner plexiform layer retinal neuroepithelial layer retinal rod outer segment

saccule

smooth muscle cell

somatosensory evoked potential

spinous process thermotherapy total knee arthroplasty

transcutaneous electrical nerve stimulation

visual evoked potential

Old (replaced) term

These terms become synonyms of the new term

advertizing Vater papilla amygdaloid nucleus artificial embolism

evoked auditory response

bolt nu washer heart muscle heart muscle cell culture technique coccygeal bone

color ultrasound flowmetry

hepatic duct cricoid

Doppler echography chronotherapy

electrostimulation therapy endoscopic echography

experimental coronary occlusion blast-induced brain injury extracorporeal lithotripsy

uterine tube

Human herpesvirus 5 (strain AD169) Human herpesvirus 5 (strain Davis) immunocompromized patient

inferior olive heart atrium septum heart ventricle septum microwave therapy evoked muscle response neuromuscular synapse

delivery dental retainer pancreas duct patella ligament patient dropouts

principal sensory nucleus

Pseudonitzschia

radioisotope ventriculography

cell line RAW 264.7 retina inner nuclear layer retina inner plexiform layer retina neuroepithelial layer retina rod outer segment

sacculus

smooth muscle fiber

evoked somatosensory response

vertebra spinous process hyperthermic therapy total knee replacement

transcutaneous nerve stimulation

evoked visual response