## Emtree Terms Added and Changed (September 2014)

This is an overview of new terms added and changes made in the third Emtree release in 2014.

Overall, Emtree has grown by 767 preferred terms (123 drug terms and 644 non-drug terms) compared with the previous version released in May 2014. In total Emtree now counts 70,158 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 September 2014

811 new terms (including 44 replacement terms and promoted synonyms) have been added to Emtree as preferred terms in version September 2014 (compared to May 2014):

- 150 drug terms (terms assigned to the Chemicals and Drugs facet).
- 661 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 2014 (typically as candidate terms), sometimes for several years, before they were added to Emtree.

## Emtree Terms Changed in September 2014

44 terms ( 17 drug terms and 27 non-drug terms) from Emtree May 2014 have been replaced by 42 different terms in September 2014 (13 drug terms and 29 non-drug terms).

Of these, 28 terms ( 7 drug terms and 21 non-drug terms) are new (e.g. new generic names for drug chemical names) and have been assigned creation date 2014; the remaining 14 replacement terms ( 6 drug terms and 8 non-drug terms) were already present in Emtree.

10 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

(2,4 dihydroxy 5 isopropylphenyl)[5 [(4 methyl 1 piperazinyl)methyl] 2 isoindolinyl]methanone 1 (2,2 difluoro 1,3 benzodioxol 5 yl ) n [1 (2,3 dihydroxypropyl) 6 fluoro 2 (2 hydroxy 1,1 dimethylethyl) 1h indol 5 yl]cyclopropanecarboxamide
1 [6 (2 carboxy 1 pyrrolidinyl) 6 oxohexanoyl] 2 pyrrolidinecarboxylic acid
1 butyl 3 (1 naphthoyl)indole
2 amino 8 [4 (2 hydroxyethoxy)cyclohexyl] 6 (6 methoxy 3 pyridinyl) 4 methylpyrido[2,3 d]pyrimidin $7(8 \mathrm{~h})$ one
2 methoxy $n(1,2,3,4$ tetrahydro 3 methyl 2 oxo 6 quinazolinyl)benzenesulfonamide
3 (2 amino 5 benzoxazolyl) 1 isopropyl 1h pyrazolo[3,4 d]pyrimidin 4 amine
3 (2,6 dichloro 3,5 dimethoxyphenyl) 1 [6 [ $[4$ (4 ethyl 1 piperazinyl)phenyl]amino] 4 pyrimidinyl] 1 methylurea
3 (4 chlorophenyl) n (4 pyridinylmethyl)adamantane 1 carboxamide
3 aminomethyl 1,3 dihydro 1 hydroxy 7 (3 hydroxypropyl) 2,1 benzoxaborole
3 cyclopentyl n' [5 fluoro 2 methyl 6 (octahydropyrazino[2,1 c][1,4]oxazin 8 yl$) 4$ pyrimidinyl] 2 ( n formyl n hydroxyaminomethyl)propionohydrazide
4 (4 chlorophenyl) 2,3,9 trimethyl 6h thieno[3,2 f][1,2,4]triazolo[4,3 a][1,4]diazepine 6 acetic acid tert butyl ester
4 (4 chlorophenyl) n (4 hydroxyphenyl) 2,3,9 trimethyl 6 h thieno[3,2 f][1,2,4]triazolo[4,3 a][1,4]diazepine 6 acetamide
4 [(5 phenyl 1,3,4 thiadiazol 2 yl$) \mathrm{oxy}$ ] 1 azoniatricyclo[3.3.1.1 3,7]decane 3,4 dicarboxy 3 hydroxybutanoate
4 [7 [6 cyano 5 (trifluoromethyl) 3 pyridinyl] 8 oxo 6 thioxo 5,7 diazaspiro[3.4]octan 5 yl 2 fluoro n methylbenzamide
4,5,6,7 tetrahydro 11 methoxy 1h cyclopenta[a]pyrrolo[3,4 c]carbazole 1,3(2h) dione
5 (4,6 dimethyl 1h benzimidazol 2 yl$) 4$ methyl n [3 (1 methyl 4 piperidinyl)propyl] 2 pyrimidinamine
6 (4 chlorophenyl) n ethyl 8 methoxy 1 methyl 4 h [1,2,4]triazolo[4,3 a][1,4]benzodiazepine 4 acetamide
6 [4 (1 piperazinyl)phenyl] 3 (4 quinolinyl)pyrazolo[1,5 a]pyrimidine
7 (3,5 dimethyl 4 isoxazolyl) 1,3 dihydro 8 methoxy 1 [1 (2 pyridinyl)ethyl] 2h imidazo[4,5 c]quinolin 2 one

7 oxo $n$ (4 piperidinyl) 1,6
diazabicyclo[3.2.1]octane 2 carboxamide
7,8 dihydro 2 [4 (trifluoromethyl)phenyl] 5h thiopyrano[4,3 d]pyrimidin 4 ol
[2 (4 tert butyl 2 ethoxyphenyl) 4,5 bis(4 chlorophenyl) 4,5 dihydro 4,5 dimethyl 1 h imidazol 1 yl][4 [3 (methylsulfonyl)propyl] 1 piperazinyl]methanone
[2 [[5 chloro 2 [ [4 [4 (dimethylamino) 1 piperidinyl] 2 methoxyphenyl]amino] 4 pyrimidinyl]amino]phenyl]dimethylphosphine oxide
abacavir plus dolutegravir plus lamivudine acetamiprid
aclidinium bromide plus formoterol fumarate acorafloxacin
acumapimod
advanced glycation end product receptor
affecting agent
advanced glycation end product receptor
antagonist
albenatide
aldehyde dehydrogenase isoenzyme 1
amlodipine plus ramipril
apn 311
atazanavir plus cobicistat
azeliragon
bacterial extract
basmisanil
begelomab
bms 936559
bromodomain inhibitor
bromosporine
brontictuzumab
butylphthalide
capmatinib
carbon nanoparticle
cefalexin plus kanamycin
cefilavancin
ceftolozane plus tazobactam
cerdulatinib
chimeric antigen receptor
citric acid plus magnesium oxide plus picosulfate sodium
clothianidin
cobicistat plus darunavir
cord blood hematopoietic stem cell extract
cyclic pyranopterin phosphate
dagrocorat
dalazatide
dapaconazole
denintuzumab mafodotin
diclofenac etalhyaluronate
diclofenac plus thiocolchicoside
dinotefuran
dorgenmeltucel L
dorsomorphin
dutetrabenazine
edotreotide lu 177
eflapegrastim
efpeglenatide
emactuzumab
emibetuzumab
enadenotucirev
epigenetic reader domain inhibitor
ertugliflozin plus metformin
estradiol plus prednisolone
evofosfamide
firivumab
funapide
furaprevir
gintuit
girentuximab i 131
gsk 2398852
histone deacetylase 10
histone deacetylase 11
histone deacetylase 9
idasanutlin
imalumab
insulin degludec plus liraglutide
irbinitinib
lamivudine plus raltegravir
ledipasvir plus sofosbuvir
lemborexant
lenzilumab
lincomycin plus spectinomycin
lumretuzumab
lutetium chloride lu 177
merotocin
mibenratide
modimelanotide
mongersen
n [2 [3 (1 piperazinylmethyl)imidazo[2,1 b]thiazol
$6 \mathrm{yl}]$ phenyl] 2 quinoxalinecarboxamide
n [3 [[5 chloro 2 [ [2 methoxy 4 (4 methyl 1
piperazinyl)phenyl]amino] 4
pyrimidinyl]oxy]phenyl]acrylamide
napabucasin
neonicotinoid
netupitant plus palonosetron
nitenpyram
nithiazine
odalasvir
olipudase alfa
omipalisib
paritaprevir
pasotuxizumab
patidegib
pegcrisantaspase
pegvaliase
potassium chloride cotransporter 2
presatovir
pyriprole
r 1507
rabacfosadine
ragweed pollen extract
rapastinel
recombinant beta glucuronidase
relenopride
revusiran
ribociclib
rimiducid
riofilcon A
rociletinib
savolitinib
sembragiline
sodium zirconium cyclosilicate
soybean extract
tankyrase inhibitor
tepotinib
tetulomab tetraxetan lutetium lu 177
thiacloprid
thiamethoxam
tisagenlecleucel T
tradipitant
transcription activator like effector nuclease
tripeptidyl peptidase I
ulixertinib
vanucizumab
velpatasvir
verinurad
vesigenurtucel L
vonapanitase
xen 402

## Non-drug terms

A549 cell line
abdominal circumference
absorption half-life
acid dissociation constant
action potential duration
Adventist
Afghan
African
age related macular degeneration
Agnostic
Akan (people)
Albanian (citizen)
Algerian
Algonkian people
Algonquin (people)
allergy CLIA
allergy ELISA
Alternanthera
Alternanthera philoxeroides
Alternanthera sessilis
American
American Samoan
Anabaptist
Andean Amerind people
Anglican
Angolan
antibody secreting cell
Antillean
Apache (people)
apgar timer
apparent distribution volume
Arawak
Argentinian
argon plasma laser
Arikara (people)
Armenian (citizen)
artificial heart pacemaker failure
artificial lipid membrane
Asian continental ancestry group
Atheist
auditory brain stem implantation
Australian
Austrian
autoimmune disease immunofluorescence assay kit
autoimmune thyroiditis CLIA
Auxenochlorella
Auxenochlorella protothecoides
Avicennia marina
Aymara (people)
Azerbaijani
Aztec (people)
B cell lymphoma cell
Bacillus halodurans
bacterial disease CLIA
bacterial disease immunofluorescence assay kit
bacterial structures
Bahamian
Bahraini
balloon catheterization
balloon migration
Bangladeshi
Baptism
Baptist
Barbadian
bare metal stenting
base dissociation constant
bdelloid rotifer
Bedouin
Belarusian (citizen)
Belarusian (people)
Belgian
Belizean
Beninese
Berberis vulgaris
Bhutanese
biodegradable fixation fastener
BioMed Central
blood cancer cell
blood cell ratio
Bolivian
bone marrow derived dendritic cell
bone marrow derived macrophage
bone marrow derived mast cell
bone marrow derived mesenchymal stem cell
bone marrow derived mononuclear cell
bone marrow osteoclast cell
bone marrow progenitor cell
bone marrow stroma cell
Bosniak (people)
Bosnian (citizen)
Bowes melanoma cell
Brachionus
Brachionus calyciflorus
Brachionus plicatilis
Brazilian
breast density
breast implant rupture
British citizen
Briton
Buddhism
Buddhist
Bulgarian (citizen)
Bulgarian (people)
Burkinabe
Burmese
c peptide CLIA
C reactive protein CLIA

Caddoan people
calprotectin ELISA kit
Calvinist
camel milk
Cameroonian
Campylobacter concisus
Canadian
Canadian Aboriginal
cardiac marker CLIA
cardiac output monitor
cardiac stem cell
cardiac troponin 1 CLIA
cardiorespiratory fitness
Carib (people)
Caribbean
Caribbean (person)
catheter fracture
catheter migration
Catholic
Catholicism
Celosia argentea
cemented prosthesis
Central African
Central American
Central Asian
Central European
cerebellum cell
Chadian (citizen)
chemiluminescence immunoassay kit
Cherokee (people)
Chibcha (people)
Chibchan-Paezan people
Chilean
Chinese Biomedical database
Chippewa (people)
chloroplast membrane
Choctaw (people)
Christian Science
Christianity
chromogenic protein C assay kit
Chrysomya bezziana
Chrysomya megacephala
Church of Jesus Christ of Latter-day Saints
citizen group
citizen of the Central African Republic
clot timer
CNKI database
cochlear implantation
Colombian
competitive binding assay
Confucian
Confucianism
Congolese (Brazzaville)
Congolese (Kinshasa)
Cook Islander
coronary stenting
Costa Rican

Cree (people)
Croat (people)
Croatian (citizen)
Cuban
Cypriot
Czech (citizen)
Czech (people)
Dane (people)
Danish citizen
dermal microvascular endothelial cell
device failure
device failure analysis
device maintenance
diagnostic radiologist
digital slide scanner
distribution half-life
Dominican (Dominica)
Dominican (Dominican Republic)
double J stent
driveline infection
drug eluting cardiovascular stent
drug eluting coronary stent
drug eluting digestive stent
drug eluting nitinol stent
drug eluting tracheobronchial stent
drug eluting ureter stent
drug eluting urethral stent
Dutchman
East African
East Asian
East Slav
Eastern European
Eastern Orthodox
Eastern Orthodoxy
EC50
Ecuadorean
Egyptian
electrode catheter
electrode implantation
elimination half-life
elimination rate constant
Emirati
endoplasmic reticulum membrane
endoprosthesis fracture
endoscopic suture system
Englishman
enzyme kinetic assay
Epinephelus
Epinephelus coioides
erbium chromium YSGG laser
Eriocheir
Eriocheir sinensis
Eritrean
Estonian (citizen)
Ethiopian
EU citizen
eucommia
eucommia ulmoides
European
Evangelicalist
Exiguobacterium
farnesylation
Faroese
female to male transgender
ferritin CLIA
fertility CLIA
fibrosarcoma cell
Fijian
Filipino (citizen)
Finn (citizen)
Finn (people)
fluorescence imaging system
food waste
foot prosthesis
formylation
French Polynesian
Frenchman
Gabonese
Gambian
Ganda (people)
gas chromatograph
Georgian (citizen)
German (citizen)
Ghanaian
golgi membrane
Great Lakes Bantu people
Greek (citizen)
growth deficiency CLIA
Guarani (people)
Guatemalan
Guianese
Guinean
Gusii (people)
Guyanese
Haitian
haplogroup
Hawaiian (citizen)
Hazara
heat pain threshold
Hehe (people)
hepatic progenitor cell
Herero (people)
Hill coefficient
Hindu
Hinduism
histone demethylation
HIV CLIA
HIV ELISA
Honduran
Hopi (people)
Huichol (people)
Hungarian (citizen)
Hutterite
Hutu (people)

IC50
Icelander
immunofluorescence assay kit
implant inflammation
Indonesian
infectious disease CLIA
inhibition constant
inner hair cell
inner membrane
insulin CLIA
interventional neuroradiologist
interventional radiologist
intestinal stem cell
intrinsic activity
intrinsic clearance
Iranian (citizen)
Iraqi
Irish (citizen)
Iroquois (people)
Islam
Israeli
Italian (citizen)
Ivorian (citizen)
Jamaican
Japanese (citizen)
Jivaro (people)
Jordanian
Judaism
Kaingang (people)
Kamba (people)
Kazakhstani
Kenyan
kenyon cell
Kikuyu (people)
knee brace
knee resurfacing device
Kongo (people)
Kosovar
Kuwaiti
Kyrgyz (citizen)
Lakota (people)
LAMP system
Laotian
Latter-day Saint
Latvian (citizen)
LC50
lead fracture
leatherback turtle
Lebanese
Lett (people)
Lewis lung carcinoma cell
Liberian
Libyan
Ligustrum lucidum
liposarcoma cell
liposome membrane
liquid chromatograph

Lithuanian (citizen)
Lithuanian (people)
Lutheran
Macedonian (citizen)
Macedonian (people)
macular degeneration
macular edema
magnesium intake
makgeolli
Malagasy (citizen)
Malawian
Malaysian
male to female transgender
Malian
Maltese (citizen)
mantle cell lymphoma cell
Mapuche (people)
Marshallese
Mauritanian
Mauritian
maximum binding capacity
maximum reaction velocity
Mayo (people)
Mazahua (people)
Mazatec (people)
mechanical valve needleless connector
medical device contamination
medullary thyroid carcinoma cell
Melanesian
Mennonite
metabolic ratio
metal implant
metallic implant corrosion
Methodist
Mexican
microcalorimeter
microdensitometer
Micronesian
mineral supplementation
minimum plasma concentration
mitochondrial haplogroup
Mixtec (people)
Mohawk (people)
Mongolian (citizen)
monogonont rotifer
mononucleosis test kit
Mormon
Mormonism
Moroccan
Mozambican
muscle stem cell
Muscogee (people)
musculoskeletal radiologist
Muslim
Nahua
Namibian
nasal packing

Nauruan
Nepalese
neuroradiologist
neutrophil lymphocyte ratio
New Caledonian
New Zealander
Nguni people
Nicaraguan
Nigerian
Nigerien
Nigrospora
Nitrospira
Nitrospirae
non small cell lung cancer
North African
North American
North Germanic people
North Korean
North-Central Amerind people
Northeast Bantu people
Northern European
Northern Irish
Norwegian (citizen)
Norwegian (people)
Nosema apis
Nosema bombycis
Nosema ceranae
Oceanian
Oji-Cree (people)
Ojibway (people)
Omani
Opuntia ficus-indica
oral clearance
Oto-Manguean people
Otomi (people)
outer hair cell
Ovambo (people)
pacemaker implantation
pacemaker mediated tachycardia
pain intensity
pain severity
Pakistani
Palauan
Panamanian
papillary thyroid carcinoma cell
Papua New Guinean
Paraguayan
parasitic disease CLIA
parasitology immunofluorescence assay kit patient history of coronary angioplasty
patient history of coronary artery bypass graft
patient history of dental surgery
PCE/NCE (erythrocyte)
peak systolic velocity
Pedi (people)
pediatric radiologist
PEDro
penile extender
Penutian people
persistent organic pollutant
Peruvian
Piaroa (people)
Pima (people)
plaque forming cell assay
plastid membrane
platelet lymphocyte ratio
platelet-rich plasma cell
Pole (people)
Polish citizen
Polynesian
portable computed tomography scanner
portable ultrasound scanner
Portuguese (citizen)
Presbyterian
pressure pain threshold
processed meat
prosthesis dislocation
prosthesis implantation
prosthesis thrombosis
protein acetylation
Protestant
Protestantism
Puerto Rican
pulmonary artery catheterization
Purepecha (people)
Qatari
Quaker
radio frequency identification device
radioimmunoassay kit
replicon cell
reverse engineering
rhabdomyosarcoma cell
Romanian (citizen)
RT-LAMP system
Russian (citizen)
Russian (people)
Rwandan
sadness
saltiness
Salvadoran
Saudi
scanning probe microscope
Scheffersomyces
Scheffersomyces stipitis
ScienceDirect
Scopus
Scotsman
screw loosening
sea turtle
sebaceous cell
self expandable metallic stent
self expanding nitinol stent
self help device
Semecarpus anacardium

Seminole (people)
Senegalese
Serb (people)
Serbian (citizen)
Seventh-day Adventist
Shaman
Shamanism
Shiite
shoulder sling
shunt failure
shunt occlusion
Sierra Leonean
silicone granuloma
Singaporean
sinus stent
Sioux (people)
Slovak (citizen)
Slovak (people)
Slovene (people)
Slovenian (citizen)
small cell lung cancer
snapping turtle
Somali (citizen)
Sorb (people)
Sotho (people)
Sotho-Tswana people
sound analyzer
sour taste
South African
South American
South Asian
South Korean
South Slav
Southeast Asian
Southern African
Southern Amerind people
Southern Bantu people
Southern European
Spaniard
sperm quality
sphingolipid metabolism
Spiritualism
Spiritualist
SpringerLink
squamous cell carcinoma cell
Sri Lankan
stainless steel implant
stainless steel wire
stent collapse
stent complication
stent deformation
stent dislodgement
stent fracture
stent migration
stent underexpansion
steroid CLIA
stone retrieval device
subclavian vein catheterization suction drain

Sudanese
Sukuma (people)
Sunni
Surinamese
suture delivery device
Swahili (people)
Swazi (citizen)
Swede (people)
Swedish citizen
Swiss
synovial sarcoma cell
Syrian
Taiwanese
Taiwanese Aborigine
Tajik (citizen)
Tanzanian
Taoism
Taoist
Tarahumara (people)
Teke (people)
Tepehuano (people)
terrapin
Th22 cell
Th9 cell
Thai (citizen)
thulium YAG laser
Ticuna (people)
Togolese
Tohono O'odham
tomotherapy system
Tonga (people)
Tongan
tortoise
Trachemys
Trachemys scripta
Trachemys scripta elegans
Trachyspermum
Trachyspermum ammi
transdermal drug delivery system
transgender
Trichosphaeriales
Trinidadian
Tsonga (people)
Tunisian
Tupi (people)
Tupi-Guarani people
Turkish citizen

Turkmen (citizen)
Tutsi (people)
twiddler syndrome
Ugandan
Ukrainian (citizen)
Ukrainian (people)
umami
ureteral stenting
urine diversion
Uruguayan
Uto-Aztecan people
Uzbek (citizen)
vagina pH
valve deterioration
Venda (people)
Venezuelan
Vietnamese
viral disease CLIA
viral disease immunofluorescence assay kit
vitelliform macular degeneration
volume of distribution
volume of distribution at steady-state
Voodoo
WanFang Database
Waorani (people)
Warao (people)
Web of Science
weight variation
Welshman
West African
West Asian
West Germanic people
West Slav
Western European
western medicine
Western Samoan
wet macular degeneration
White Mountain Apache
xerogel
Y chromosome haplogroup
Yanomami (people)
Yaqui (people)
Yemeni
Yugoslav
Zambian
Zapotec (people)
Zimbabwean
zinc homeostasis
Zuni (people)

## Drug terms

## New or pre-existing term <br> * indicates pre-existing term

3 aminomethyl 1,3 dihydro 1 hydroxy 7 (3
hydroxypropyl) 2,1 benzoxaborole acorafloxacin
butylphthalide
contact lens solution*
contact lens solution*
efpeglenatide
entospletinib*
evofosfamide
gelatin sponge*
paritaprevir
patidegib
peritoneal dialysis fluid*
peritoneal dialysis fluid*
polyethylene terephthalate*
sacubitril*

## Non-drug terms

New or pre-existing term

* indicates pre-existing term
age related macular degeneration
capillary endothelial cell*
device failure
device maintenance
devices*
double J stent
drug administration route*
female to male transgender
Finn (people)
hydrocolloid dressing*
IC50
intraarticular drug administration*
intravenous drug administration*
LC50
macular degeneration
macular edema
male to female transgender
mechanical valve needleless connector
medical device contamination
mononucleosis test kit
Muslim
non small cell lung cancer
polymerase chain reaction system*
Scheffersomyces stipitis
small cell lung cancer
vitelliform macular degeneration
volume of distribution
wet macular degeneration
wound dressing*


## Old (replaced) term

These terms become synonyms of the new term
gsk 2251052
avarofloxacin
3 butylphthalide
opti free
oxysept
langlenatide
gs 9973
$\mathrm{n}, \mathrm{n}$ ' bis(2 bromoethyl)phosphorodiamidic acid (1 methyl
2 nitro 1 h imidazol 5 yl)methyl ester
spongostan
veruprevir
saridegib
extraneal
nutrineal
mersilene
3 (1 biphenyl 4 ylmethyl 3 ethoxycarbonyl 1 butylcarbamoyl)propionic acid

## Old (replaced) term

These terms become synonyms of the new term
retina macula age related degeneration
microvascular endothelial cell
equipment failure
equipment maintenance
equipment
JJ stent
intraganglionar drug administration
female to male transsexual
Fin (people)
duoderm
IC 50
intracoxal drug administration
intravenous administration
LC 50
retina macula degeneration
retina macula edema
male to female transsexual
mechnical valve needleless connector
equipment contamination
mononucleosis test
Moslem
lung non small cell cancer
thermal cycler
Pichia stipitis
lung small cell cancer
retina macula vitelliform degeneration
distribution volume
exudative macular degeneration
biobrane

