

Emtree Terms Added and Changed (January 2016)

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

Overall, Emtree has grown by 584 preferred terms (96 drug terms and 488 non-drug terms) compared with the previous version released in September 2015. In total Emtree now counts 73,127 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 January 2016

640 new terms (including 56 replacement terms and promoted synonyms) have been added to Emtree as preferred terms in version January 2016 (compared to September 2015):

- 124 drug terms (terms assigned to the Chemicals and Drugs facet).
- 516 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 January 2016

56 terms (29 drug terms and 27 non-drug terms) from Emtree September 2015 have been replaced by 51 different terms in January 2016 (26 drug terms and 25 non-drug terms).

Of these, 35 terms (14 drug terms and 21 non-drug terms) are new (e.g. new generic names for drug chemical names) and have been assigned creation date 2016; the remaining 16 replacement terms (12 drug terms and 4 non-drug terms) were already present in Emtree.

4 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 (2 adamantyl) 3 (4 iodophenyl)guanidine
 1 (2 bromophenyl) 3 (2,2 dimethyl 4 phenyl 1,3 dioxan 5 yl)urea
 1 (2,4 dibromophenyl) 3 (2,2 dimethyl 4 phenyl 1,3 dioxan 5 yl)urea
 1 (3,4 dihydro 6,7 dimethoxy 2(1h) isoquinolinyl) 3,3 dimethyl 2 [(4 pyridinylmethyl)amino] 1 butanone
 1 (3,4 dimethoxybenzyl) 3,4 dihydro n isopropyl 6,7 dimethoxy alpha phenyl 2(1h) isoquinolineacetamide
 1 (5,8 difluoro 4 quinolinyl) 3 (4 dimethylaminophenyl)urea
 1 (6,8 difluoro 2 methyl 4 quinolinyl) 3 (4 dimethylaminophenyl)urea
 1 [2 (3,4 dichlorophenyl)ethyl] 4 methylpiperazine
 1 [2 [(1 methyl 2 benzimidazolyl)thio]acetyl] n (2 phenylphenyl) 2 pyrrolidinecarboxamide
 1 [3 [4 (3 chlorophenyl) 1 piperazinyl]propyl] 3,4 dihydro 5 methoxy 2(1h) quinolinone
 1 cyclohexyl 4 [3 (1,2,3,4 tetrahydro 5 methoxy 1 naphthyl)propyl]piperazine
 1' [4 (3 methyl 2 oxo 1 benzimidazolyl)butyl]spiro[isobenzofuran 1,4' piperidine]
 2 (2 chlorophenyl) 4 [3 (dimethylamino)phenyl] 5 methyl 1h pyrazolo[4,3 c]pyridine 3,6(2h,5h) dione
 2 (5,6 dimethoxy 3 pyridinyl) 4 (2,4,6 trifluorobenzyl) 2h pyrido[2,3 e][1,2,4]thiadiazin 3(4h) one 1,1 dioxide
 2 [[2 [(1 (2 aminoethyl) 4 piperidinyl)amino] 4 methyl 1h benzimidazol 1 yl]methyl] 6 methyl 3 pyridinol
 2 [[6 [[[2 (3 hydroxypropyl) 5 methylphenyl]amino]methyl] 2 [(3 morpholinopropyl)amino] 1 benzimidazolyl]methyl] 6 methyl 3 pyridinol
 2 chloro 6 n (3 iodobenzyl)adenosine 5' n methylcarboxamide
 2,2' [(4 hydroxyphenyl)methylene]bis[4 [(5 methyl 1h tetrazol 1 yl)imino]methyl]phenol]
 3 (1 cyclopropylmethyl 2 piperidinyl) 1 (3,4 dichlorophenyl) 1 propene
 3 [4 (4 cyclohexyl 1 piperazinyl)pentyl] 6 fluorobenzothiazol 2(3h) one
 3 ethyl 4 (3h imidazo[1,2 a]pyrrolo[2,3 e]pyrazin 8 yl) n (2,2,2 trifluoroethyl) 1 pyrrolidinecarboxamide
 3 pentylbenzeneacetic acid
 4 (3,4,5 trimethoxybenzyl) 1 piperazineacetic acid 4 methoxyphenyl ester
 4 (4 methyl 1 piperazinyl) 6 (5 methyl 2h pyrazol 3 ylamino) 2 (2 phenylvinyl)pyrimidine
 6 acetyl 3 [4 [4 (4 fluorophenyl) 1 piperazinyl]butyl]benzoxazol 2(3h) one
 [2 [(5 bromo 2 pyridinyl)amino]methyl] 5 methyl 1 piperidinyl][3 fluoro 2 methoxyphenyl]methanone
 [5 (2 fluorophenyl) 2 methyl 4 thiazolyl][2 [(5 phenyl 1,3,4 oxadiazol 2 yl)methyl] 1 pyrrolidinyl]methanone
 [5 [(4 cyano 2 pyridinyl)oxy] 2 methyl 1 piperidinyl][2 (2 pyrimidinyl)phenyl]methanone
 acetate coenzyme A ligase
 adomeglivant
 alarmin
 anthrax antibody
 ataxin
 ataxin 10
 ataxin 2
 blontuvetmab
 brackish water
 caffeine plus dipyrone plus drotaverine
 calgranulin C
 carvedilol plus ivabradine
 CELF protein
 CELF1 protein
 cibinetide
 codeine plus ephedrine
 coenzyme A ligase
 cosmeceutical
 crotedumab
 depatuxizumab
 depatuxizumab mafodotin
 dexlansoprazole
 DNA ligase
 dolcanatide
 domagrozumab
 dragon blood
 ELAV like protein 1
 ELAV like protein 2
 ELAV like protein 3
 ELAV like protein 4
 ELAV protein
 estradiol plus gestodene
 fexapotide
 flortaucipir
 flortaucipir f 18
 fonadelpar
 fosfomicin plus tobramycin
 glecaprevir
 glucagon like peptide 2 receptor
 glucagon like peptide receptor
 glucagon receptor antagonist

hydrochlorothiazide plus nebivolol
 indacaterol plus mometasone furoate
 irrigation solution
 ivacaftor plus tezacaftor
 lanadelumab
 levolsoprazole
 lisinopril plus torasemdie
 lorlatinib
 melanin concentrating hormone receptor 2
 miconazole plus white petrolatum plus zinc oxide
 n (3,5 dimethylphenyl) 1 [(4
 methoxyphenyl)sulfonyl] 2
 pyrrolidinecarboxamide
 n [[1 [[5 (4 fluorophenyl) 2 methyl 4
 thiazolyl]carbonyl] 2
 piperidinyl]methyl]benzofuran 4 carboxamide
 n benzhydryl decahydro 5 [2
 (methylamino)propionamido] 3 (3
 methylbutanoyl) 6 oxopyrrolo[1,2
 a][1,5]diazocine 8 carboxamide
 n cyclohexyl n ethyl 3 (3 chloro 4
 cyclohexylphenyl) 2 propenylamine
 n ethyl 2 [n (6 methoxy 3 pyridinyl) 2
 methylbenzenesulfonamido] n (3
 pyridinylmethyl)acetamide
 n ethyl n [2 [3 (5 fluoro 2 pyridinyl) 1h pyrazol 1
 yl]ethyl] 2 (2h 1,2,3 triazol 2 yl)benzamide
 naloxone plus tilidine
 oliceridine
 orexin A [17-33]
 orexin receptor antagonist
 oviductin
 pathogen associated molecular pattern
 photosan III
 phthalazine
 pibrentasvir
 prexasertib
 protein corona
 protein translocase
 raxatrigine
 RNA recognition motif protein
 rocapuldencel T
 ruclosporin
 sacituzumab
 salt water
 Scrophularia root
 senofilcon C
 serine arginine rich splicing factor
 sigma receptor affecting agent
 sigma receptor agonist
 sigma receptor antagonist
 succinate coenzyme A ligase
 tamtuvatmab
 teflubenzuron
 tenonitrozole
 tetrahydrofolate synthase
 tezacaftor
 thiol sulfotransferase
 threonine ammonia lyase
 TKM Ebola
 tonogenchoncel L
 tropine 2 (4 chlorophenoxy)butanoate
 twin arginine translocase
 vadadustat
 whey protein
 zoliflodacin

Non-drug terms

accumulation index
 Acinetobacter pittii
 action spectrum
 administrative claims (health care)
 adult day care
 Aedes togoi
 African Union
 Agamidae
 American crow
 anger management therapy
 anonymised data
 anonymization
 antitrust law
 Aotus nancymae
 aposematism
 appropriate technology
 Arceuthobium
 arterial switch operation
 Aspidogastrea
 Aster tataricus
 Aureococcus anophagefferens
 autoimmune hypophysitis
 avian influenza (H5N1)
 Bactrocera
 bank account
 batesian mimicry
 beetroot juice
 behavioral observation
 biological mimicry
 bioresonance therapy
 bioterrorism
 body weight maintenance
 bone implant interface
 bound fraction
 brain interstitial fluid
 bronchoalveolar lavage fluid
 Bursera
 Calceolaria
 Calceolariaceae
 canaliculitis
 Candida cylindracea
 canine influenza
 carrion crow
 carrot juice
 cecal tonsil
 cell line RAW 264.7
 cell plasticity
 cell reprogramming technique
 cell self-renewal
 cervicectomy
 Cetraria
 Cetraria islandica
 chasing the dragon
 chemical terrorism
 child abuse survivor
 child health insurance
 child protection
 childhood trauma survivor
 chorioallantoic membrane assay
 chronopharmacokinetics
 cloud computing
 coenzyme Q10 deficiency
 cognitive aging
 cognitive neuroscience
 collagen antibody-induced arthritis
 college drinking
 common raven
 compassion fatigue
 computer heuristics
 concierge medicine
 conditioned avoidance response test
 Conium maculatum
 connectivity density
 constructive feedback
 contraceptive prevalence survey
 Corvidae
 Corvus
 coypu
 Crambe (sponge)
 Crambe crambe
 Crimean-Congo hemorrhagic fever virus
 critical care outcome
 Cryptocotyle
 cumulative scale
 cuprizone-induced demyelination
 curative dose
 Cyanistes
 Dactylogyridae
 Decapodiformes
 Dendroaspis
 Dendroaspis angusticeps
 Dendroaspis polylepis
 dentate gyrus granular layer
 deprescription
 Desmodemus subspicatus
 Desmodus
 Desmodus rotundus
 device material
 Dicrocoeliidae
 Dicrocoelium dendriticum
 Digenea
 digital divide
 Dioscorea communis
 diplomacy
 diplomat
 direct-to-consumer advertizing
 dissolution rate constant
 distal femur fracture

distal fibula fracture
 DNA binding assay
 DNA cleavage assay
 Doryteuthis
 Doryteuthis pealeii
 Dosidicus gigas
 Dromaiidae
 Dromaius novaehollandiae
 dual use research
 e-counseling
 Echinops (plant)
 Echinostoma caproni
 Echinostoma revolutum
 Echinostomatidae
 ectopic expression
 ectosymbiont
 electromechanical systole
 electrophysiological assay
 embryonic germ cell
 endotoxin-induced liver injury
 endotracheal anesthesia
 environmental psychology
 equine influenza (H3N8)
 equine influenza (H7N7)
 Equisetaceae
 Estrilidae
 Euschistus servus
 exotic animal
 experimental acute lung injury
 experimental allergy
 experimental anemia
 experimental autoimmune myocarditis
 experimental bacterial infection
 experimental cerebral ischemia
 experimental choroidal neovascularization
 experimental cutaneous leishmaniasis
 experimental demyelination
 experimental diabetic nephropathy
 experimental fatty liver
 experimental hematologic disease
 experimental hemorrhagic shock
 experimental hyperlipidemia
 experimental influenza
 experimental ischemia
 experimental keratitis
 experimental lung metastasis
 experimental mastitis
 experimental metastasis
 experimental muscle pain
 experimental myocarditis
 experimental osteoarthritis
 experimental periodontitis
 experimental pneumonia
 experimental septic shock
 experimental steatohepatitis
 experimental tuberculosis
 experimental ulcerative colitis
 exposure to violence
 facial recognition
 failure to rescue (health care)
 Fasciolidae
 Fasciolopsis
 Fasciolopsis buski
 fear conditioning test
 fecal microbiota transplantation
 fetal brain
 fibula shaft fracture
 fifth lumbar vertebra
 fillet (fish)
 financial statement
 first lumbar vertebra
 flying fox
 fourth lumbar vertebra
 fracking
 fractional excretion
 fractional inhibitory concentration index
 Freund adjuvant-induced arthritis
 Freund adjuvant-induced inflammation
 fruit and vegetable juice
 Fumarioideae
 functional behavior
 Furnariidae
 fused kidney
 genetic background
 genital hiatus
 geographically weighted regression
 ghee
 Gigaspora margarita
 growth inhibitory concentration
 Gyrodactylidae
 health equity
 healthcare failure mode and effect analysis
 Heligmosomoides bakeri
 Helleborus
 Helminthosporium
 hemiparasite
 hemolysis assay
 Heterakis gallinarum
 Heterobasidion annosum
 Heterophyes
 Heterophyidae
 Heterosigma akashiwo
 heuristics
 highly pathogenic avian influenza
 highly pathogenic avian influenza virus
 hoarding disorder
 Hoodia
 Hoodia gordonii
 human embryonic stem cell
 Hylocereus
 Hylocereus undatus
 hyperglycemic clamp technique
 hyperinsulinemic-euglycemic clamp technique
 hypocotyl

hypofractionated radiotherapy
 Hyssopus officinalis
 Hyssopus plant
 ID50 (infectious)
 identifiable information
 identity recognition
 immunocompromized patient
 immunosenescence
 indomethacin-induced gastric ulcer
 infectious dose
 infectious encephalitis
 influenza A (H3N8)
 influenza A (H7N7)
 inguinal fat
 internal mammary lymph node
 international law
 interscapular fat
 intersegmental vessel
 intracochlear drug delivery system
 intracranial self-stimulation test
 intraperitoneal fat
 intravital microscopy
 iridescence
 Iris plant
 jackdaw
 jungle crow
 kinase assay
 Kodamaea ohmeri
 kombucha
 Lablab purpureus
 Laetiporus sulphureus
 laser-induced choroidal neovascularization
 late onset disorder
 Lateolabrax japonicus
 Lathyrus odoratus
 lavage fluid
 lean tissue
 left ventricular apex
 legal service
 Lemur (genus)
 Lemur catta
 Lepomis macrochirus
 Leuconostoc lactis
 Leucoraja erinacea
 Limacidae
 Limax
 Limax flavus
 Limax maximus
 Linepithema humile
 lipopolysaccharide-induced acute lung injury
 Lobesia botrana
 Loch Ness monster
 Loligo vulgaris
 longissimus muscle
 Lontra canadensis
 low pathogenic avian influenza
 low pathogenic avian influenza virus
 Luscinia
 Lutra
 Lutra lutra
 Lygus hesperus
 Lythrum
 Lythrum salicaria
 Macrosiphum euphorbiae
 Mamestra brassicae
 mammary analogue secretory carcinoma
 maternal child health care
 mean channel closed time
 median survival time
 medicinal tea
 Menispermum
 Menispermum dauricum
 mental rotation test
 metabolically benign obesity
 metacognition
 metacognitive awareness
 metacognitive control
 metacognitive monitoring
 Metagonimus
 Metagonimus yokogawai
 metamemory
 Micropogonias undulatus
 minotaur
 mistletoe
 mitochondrial biogenesis
 mitochondrial replacement therapy
 mitochondrial ribosome
 Moina macrocopa
 Monilinia fructicola
 Moniliophthora perniciosa
 morcellation
 Morella
 Morella rubra
 mortality rate
 mouse embryonic stem cell
 mucopolidosis type 4
 mullerian mimicry
 multiple fracture
 mutation accumulation
 mutational load
 Myotis
 Myotis lucifugus
 Myrica
 mythical creature
 Naja atra
 nasal drug delivery system
 nasal lavage fluid
 natural resource
 near miss (health care)
 neurorehabilitation
 neurovascular coupling
 nicotine self administration test
 nuclear terrorism
 oblique ligament

Octopus (genus)
 odds ratio
 Ononis
 open access publishing
 Opisthorchiidae
 Opisthorchis felineus
 organelle biogenesis
 orthodontist
 palmar plate
 Paragonimidae
 Paramphistomatidae
 Paramphistomum
 Paramphistomum cervi
 parasite encystment
 Paridae
 Parmeliaceae
 Parus
 Passeriformes
 patient attendance
 paw skin
 Penicillium cyclopium
 perivascular space
 Peronosporaceae
 Phaseolus lunatus
 Phelan-McDermid syndrome
 Phialophora
 Phialophora verrucosa
 Phyllostomidae
 physical appearance
 Phytolacca americana
 Pimephales
 plantar plate
 podosome
 Pogona
 Pogona vitticeps
 Polygonum minus
 population growth estimation
 population projection
 population statistics
 potentially inappropriate medication
 pre-ejection period-left ventricular ejection time
 ratio
 preload recruitable stroke work
 presenteeism
 Primula
 prisoner dilemma
 problem behavior
 Propionibacterium acidipropionici
 protein-bound fraction
 proximal femur fracture
 proximal fibula fracture
 proximal humerus fracture
 psychological adjustment
 Pteridium
 Pteridium aquilinum
 Pteris
 Pteris vittata
 Pterocnemia
 Pterocnemia pennata
 Pteropus
 public health campaign
 public health message
 public service announcement
 pyroptosis
 Pyrus pyrifolia
 Ranunculus
 rat embryonic stem cell
 re-irradiation
 recreational game
 recreational park
 refined grain
 refugium
 retinal arteriole
 return to sport
 Rhea (genus)
 Rhea americana
 Rhizopus microsporus var. microsporus
 Rhizopus microsporus var. oligosporus
 Rhizopus microsporus var. rhizopodiformis
 Rhododendron groenlandicum
 Rhododendron tomentosum
 Rhus
 Rhus coriaria
 RNAi therapeutics
 Romanticism
 rook
 round ligament
 Rousettus
 Rousettus aegyptiacus
 Sapindus
 Sapindus mukorossi
 satyr
 scapula fracture
 Schistosoma haematobium
 Schistosomatidae
 Scrophularia
 Scytonema
 second lumbar vertebra
 Sedum
 Sedum alfredii
 selective breeding
 selectivity index
 semantic differential scale
 shellfish allergy
 silent mutation
 silent substitution
 Simarouba
 simulation training
 smartphone
 South Sudan
 spatial regression
 spirit possession
 Squalus acanthias
 stem cell self-renewal

Streptococcus canis
 Streptomyces globisporus
 Struthio camelus
 Struthioniformes
 Styrax
 superficial musculoaponeurotic system
 supervised machine learning
 survival index
 swim bladder
 telerehabilitation
 telocyte
 telopode
 tenia tecta
 Thamnophilidae
 theranostic nanomedicine
 therapeutic index
 third lumbar vertebra
 thymic cortex
 thymic medulla
 tibial plateau
 time out (healthcare)
 Todarodes pacificus
 transanal endoscopic microsurgery
 transanal endoscopic surgery
 transepithelial potential difference
 transepithelial resistance
 transitional care
 trinitrobenzene sulfonic acid-induced colitis
 Troglotrematidae
 Tropaeolum
 Tropaeolum majus
 Tropheryma whipplei
 Tsuga canadensis
 Tsuga heterophylla

tumor growth inhibition rate
 Tupaia
 Tupaia belangeri
 Tupaia glis
 Tupaiidae
 type VII secretion system
 Tyranni
 ulceration index
 Ulva pertusa
 underage drinking
 undocumented immigrant
 unsupervised machine learning
 urinary fractional excretion
 urogenital ridge
 vaginal vestibule
 vampire
 vampire bat
 vegetable juice
 Veratrum viride
 Vespertilionidae
 Vibrio cholerae O1
 Vibrio cholerae O139
 video game
 Viscum coloratum
 visual-spatial ability test
 war exposure
 warfare
 water borne disease
 werewolf
 whole grain
 working poor
 youth sport
 Zygothymus

Drug terms

New or pre-existing term

** indicates pre-existing term*

acetate coenzyme A ligase
 atezolizumab*
 desmopressin*
 desmopressin*
 DNA ligase
 ELAV like protein 1
 ELAV protein
 icosapentaenoic acid*
 isosorbide mononitrate*
 ivacaftor plus tezacaftor

macrogol*
 macrogol derivative*
 melanocortin 2 receptor*
 miconazole*
 miconazole plus white petrolatum plus zinc oxide
 n [[1 [[5 (4 fluorophenyl) 2 methyl 4 thiazolyl]carbonyl] 2
 piperidiny]methyl]benzofuran 4 carboxamide
 naloxone plus tilidine
 naloxone plus tilidine
 oxycodone plus paracetamol*
 oxycodone plus paracetamol*
 parathyroid hormone receptor 1*
 polyethylene terephthalate*
 succinate coenzyme A ligase
 tetrahydrofolate synthase
 tezacaftor

tezepelumab*
 threonine ammonia lyase
 TKM Ebola
 vadadustat

Old (replaced) term

These terms become synonyms of the new term

acetyl coenzyme A synthetase
 mpdl 3280a
 desmopressin acetate
 desmopressin diacetate
 polydeoxyribonucleotide synthase
 HuR protein
 Hu antigen
 5,8,11,14,17 icosapentaenoic acid
 isosorbide 5 nitrate
 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 plus ivacaftor
 polyoxyethylene
 polyoxyethylene derivative
 corticotropin receptor
 miconazole nitrate
 miconazole nitrate plus white petrolatum plus zinc oxide
 sb 649868

valoron n
 valtran
 percocet
 tylox
 parathyroid hormone related protein receptor
 dacron
 succinyl coenzyme A synthetase
 folylpolyglutamate synthase
 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
 amg 157
 threonine dehydratase
 tkm 100802
 akb 6548

Non-drug terms

New or pre-existing term

** indicates pre-existing term*

accumulation index
 arterial switch operation
 Ascomycetes*
 Bactrocera
 Corvus
 Crimean-Congo hemorrhagic fever virus
 cumulative scale
 device material
 diatom*
 diatom*
 Dioscorea communis
 Estrildidae
 experimental spinal cord injury*
 growth inhibitory concentration
 immunocompromized patient
 Justicia (plant)*
 kinase assay
 kinase assay
 Luscinia
 Paridae
 Pteridium
 Pteris
 Schistosoma haematobium
 semantic differential scale
 Tropheryma whipplei
 tumor growth inhibition rate
 undocumented immigrant

Old (replaced) term

These terms become synonyms of the new term

accumulation ratio
 Mustard operation
 Ciliostora
 Bactrocera
 crow
 Crimean Congo hemorrhagic fever virus
 scalogram analysis
 materials
 Coscinodiscophyceae
 Thalassiosirophyceae
 Tamus
 estrildid finch
 experimental spinal cord contusion
 growth inhibition (concentration)
 immunocompromised patient
 Adhatoda
 AKT kinase assay
 MAP kinase assay
 nightingale (bird)
 tit (bird)
 bracken fern
 brake fern
 Schistosoma hematobium
 semantic differential method
 Tropheryma whipplei
 tumor growth inhibition (percentage)
 illegal immigrant