

Emtree Terms Added and Changed (September 2021)

This is an overview of new terms added and changes made in the second Emtree release in 2021.

Overall, Emtree has grown by 681 preferred terms (92 drug terms and 589 non-drug terms) compared with the previous version released in May 2021. In total Emtree now counts 90776 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 2021

721 new terms (including 40 replacement terms and promoted synonyms) have been added to Emtree as preferred terms in version September 2021 (compared to May 2021):

- 108 drug terms (terms assigned to the Chemicals and Drugs facet).
- 613 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 2021 (typically as candidate terms), sometimes for several years, before they were added to Emtree.

Emtree Terms Changed in September 2021

40 terms (16 drug terms and 24 non-drug terms) from Emtree May 2020 have been replaced by 40 different terms in September 2021 (16 drug terms and 24 non-drug terms).

Of these, 31 terms (11 drug terms and 20 non-drug terms) are new (e.g. new generic names for drug chemical names) and have been assigned creation date 2021; the remaining 9 replacement terms (5 drug terms and 4 non-drug terms) were already present in Emtree.

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

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

Drug terms

aav rdh12
 acetylsalicylic acid plus ethoheptazine plus
 meprobamate
 agle 117
 alexa fluor
 alexa fluor 488
 alexa fluor 546
 alexa fluor 555
 alexa fluor 568
 alexa fluor 594
 alexa fluor 647
 alexa fluor 750
 alginic acid plus potassium bicarbonate
 alisitol plus retinol palmitate plus gluconate
 zinc
 ap103
 aru 1801
 asn90
 atl1102
 bbibp-corv vaccine
 belcesiran
 betamethasone valerate plus clioquinol
 bidridistrogene xeboparvovec
 bismuth salicylate plus metronidazole plus
 tetracycline
 bomtabegagene bavoparvovec
 Brazilian green propolis
 Brazilian green propolis extract
 Caesalpinia spinosa extract
 camizestrant
 celecoxib plus ciprofloxacin
 cepadacursen sodium
 cimdelsin
 comirnaty
 convidicea
 cpp 115
 crn04777
 dabocemagene autoficel
 dexmethylphenidate plus
 serdexmethylphenidate
 dexpanthenol plus xylometazoline
 drospirenone plus estetrol
 elasomeran
 elranatamab
 estradiol plus norethisterone acetate plus
 relugolix
 feline calicivirus feline leukemia feline
 panleukopenia feline rhinotracheitis vaccine
 foscarbidopa plus foslevodopa
 frenlosirsen
 hm04
 idestopoetin alfa
 ilunocitinib
 infectious bursal disease Newcastle disease
 vaccine
 ion283
 ipn60130
 lexanersen
 lilotomab tetraxetan lutetium lu 177
 lotilaner plus milbemycin oxime
 lovotibeglogene autotemcel
 luxeptinib
 marnetegragene autotemcel
 mb 107
 meplazumab
 mezigdomide
 mivorilaner
 mometasone furoate plus olopatadine
 mozafancogene autotemcel
 mupadolimab
 ngn-aga
 nnz 2591
 novaferon
 olanzapine plus samidorphan
 olezarsen
 oncos 102
 orphenadrine citrate plus paracetamol
 oxabact
 p 1037
 pbgm01
 pbp1510
 pegsitacianine
 peys611
 pf 06823859
 piflufolastat f 18
 pirtobrutinib
 pr006a
 propolis extract
 proxalutamide
 pyroglutamylasparaginyloxy dextro tyrosyl
 dextro tryptophanamide
 recombinant laminin 111

rmc 035
ro7248824
ropsacitinib
rovanersen
rusfertide
sabizabulin
sig 001
simufilam
sirpiglenastat
sputnik v vaccine
tara gum
temuterkib
trotabresib
ubamatamab
ux701
vaxzevria
vebreltinib
vusolimogene oderparepvec
vxm01
wibp-corv vaccine
zalunfiban
zedenoleucel
zevorcabtagene autoleucel
zifivax

Non Drug terms

11/9 cell line
 293-hMyD88 cell line
 293-SARS2-S cell line
 293-SARS2-S-dfur cell line
 293/ACE2 cell line
 293T/ACE2 cell line
 3A1 cell line
 3A2 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3A6 cell line
 3A7 cell line
 3B1 cell line
 3B3 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3B4 cell line
 3B6 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3C2 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3C4 cell line
 3C6 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3D1 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3D2 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3D3 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3D5 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3D7 cell line
 3E1 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3E4 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3E5 cell line
 3F1 cell line
 3F2 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3F4 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3F5 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3F6 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3G1 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3G2 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3G6 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 3G7 cell line
 3H2 cell line
 3H4 cell line
 3H6 cell line
 5A1 [Mouse hybridoma against SARS-CoV-2 spike] cell line
 9F2 cell line
 A549-Dual cell line
 A549-Dual hACE2-TMPRSS2 cell line
 A549-Dual KO-MDA5 cell line
 A549-Dual KO-MDA5 hACE2-TMPRSS2 cell line
 A549-Dual KO-RIG-I cell line
 A549-Dual KO-RIG-I hACE2-TMPRSS2 cell line
 A549-hACE2 (HA-FLAG) cell line
 A549-hACE2 [BEI resources] cell line
 A549-hACE2 [Invivogen] cell line
 A549-hACE2-TMPRSS2 cell line
 Aa23 cell line
 acquired thrombotic thrombocytopenic purpura
 acromioplasty
 acute toxoplasmosis
 adamantinomatous craniopharyngioma
 adenoameloblastoma
 adhesive arachnoiditis
 aerotaxis
 affinity purification
 agricultural chemistry
 agricultural science
 agronomics
 allergic fungal sinusitis
 alveolar echinococcosis
 amebic meningoencephalitis
 amegakaryocytic thrombocytopenia

ameloblastic fibroma
 amphotropic virus
 amphotropism
 anatomical location
 anatomical topography
 Angiostrongylus vasorum infection
 anti NMDA receptor encephalitis
 applied science
 arteriolar hyalinosis
 arthroscopic acromioplasty
 arthroscopic Bankart repair
 arthroscopic capsular release
 arthroscopic lavage
 arthroscopic meniscectomy
 arthroscopic remplissage
 arthroscopic rotator cuff repair
 arthroscopic synovectomy
 Aspergillus sinusitis
 Aspergillus sojae
 atheromatous plaque
 atlas fracture
 atypical hemolytic uraemic syndrome
 atypical hemolytic uremic syndrome
 augmentative and alternative
 communication
 augmentative communication system
 autoclaving
 autoimmune encephalitis
 autoimmune encephalomyelitis
 autoimmune limbic encephalitis
 autoimmune meningoencephalitis
 autoimmune neutropenia
 autoimmune thrombocytopenia
 availability bias
 average daily gain
 axis fracture
 azoxymethane-induced colon carcinogenesis
 BA886 cell line
 Bacillus thuringiensis berliner
 bacterial encephalitis
 bacterial meningoencephalitis
 bandwidth
 Bankart repair
 basic science
 behavioral immune system
 Bickerstaff brainstem encephalitis
 bifascicular block
 biliary cannulation
 bimalleolar fracture
 bioinorganic chemistry
 biomechanical software
 biopreservation
 biphobia
 blood clotting factor 13 test kit
 breast ductal carcinoma
 bronchopulmonary aspergillosis
 Brostrom procedure
 buckle fracture
 buffalopox
 burst fracture
 Caesalpinia spinosa
 calcifying epithelial odontogenic tumor
 calcifying odontogenic cyst
 camelpox
 Campylobacter fetus infection
 cardiopulmonary bypass system valve
 cell tropism
 cellular imaging software
 cementoma
 central nervous system histoplasmosis
 cerebral cryptococcosis
 chalkbrood
 Chance fracture
 chemical meningitis
 chemical sterilization
 chemosensing
 chemotherapy-induced febrile neutropenia
 child day care
 Chlamydia pneumoniae test kit
 Chlorobium limicola
 Chloroflexus aurantiacus
 Chronic bee paralysis virus
 chronic encephalitis
 claw hand
 clay shoveler's fracture
 climate engineering
 cocaine test kit
 coccygectomy
 coimmunoprecipitation
 collagen test kit
 communication board
 communication technology
 comparative psychology
 complement component C2 test kit
 congenital amegakaryocytic
 thrombocytopenia
 context effect
 corpectomy

Corynebacterium pseudotuberculosis
 infection
 costotransversectomy
 cotinine test kit
 COVID-19 vaccine-induced immune
 thrombotic thrombocytopenia
 COVID-19-associated meningoencephalitis
 crosslinking immunoprecipitation
 crush fracture
 cryptococcal meningoencephalitis
 cultural background
 cultural identity
 cutaneous anthrax
 cutaneous gamma delta T cell lymphoma
 cutaneous histoplasmosis
 cyclic thrombocytopenia
 cytomegalovirus encephalitis
 death toll
 decannulation
 deformed wing virus
 dental fee
 dentigerous cyst
 dentinogenic ghost cell tumor
 depressed skull fracture
 Desulfovibrio vulgaris Hildenborough
 Desulfovibrio vulgaris Miyazaki F
 diagnostic bias
 differential expression analysis
 differential gene expression
 differential psychology
 diffusion of innovation
 digestible indispensable amino acid score
 discrimination against sexual and gender
 minorities
 dispensing fee
 distal clavicle resection
 double door laminoplasty
 drug-induced akathisia
 dry heat sterilization
 ductal carcinoma
 durotaxis
 eco-anxiety
 ecological diversity
 ecological psychology
 economic inequality
 ecotropism
 educational psychology
 electrolaryngeal speech
 electrolarynx
 electroneuromyography
 electrosensing
 electrotaxis
 embryo assessment software
 en bloc resection
 encephalomyocarditis
 end-diastolic velocity
 enterohemorrhagic Escherichia coli infection
 enterovirus meningitis
 enterovirus meningoencephalitis
 Epstein-Barr virus encephalitis
 escape mutant
 escape mutation
 Escherichia coli meningitis
 Escherichia coli test kit
 Escherichia fergusonii
 esophageal speech
 ethanol-induced neurotoxicity
 ethnic background
 ethnic identity
 Evans syndrome
 evolutionary psychology
 evolvability
 excess mortality
 exosome isolation kit
 experimental autoimmune encephalitis
 experimental memory impairment
 experimental salmonellosis
 extreme poverty
 facetectomy
 fading affect bias
 fatty streak
 fear of death
 fibroatheroma
 fibroblast growth factor receptor test kit
 fight or flight response
 fish tank granuloma
 flood insurance
 flow cytometry software
 fourchette
 fracture infection
 frenectomy
 frontobasal fracture
 functional diversity
 functional enrichment analysis
 fungal meningoencephalitis
 gain to feed ratio
 gamma delta T cell lymphoma
 gastrin test kit

gender diversity
 gender inequality
 gene electrotransfer
 gene set analysis
 gene set enrichment analysis
 gene set variation analysis
 genioglossus advancement
 genital actinomycosis
 genomic analysis software
 geoengineering
 geotechnical engineering
 Gini coefficient
 Girdlestone procedure
 glucose electrode
 gravitaxis
 greenstick fracture
 GST pull-down
 Haemophilus influenzae test kit
 Haemophilus influenzae type b meningitis
 hangman's fracture
 haptotaxis
 Hashimoto encephalitis
 heat sterilization
 HEK-293T-hACE2 cell line
 HEK-Blue hACE2 cell line
 HEK-Blue Null1-v cell line
 HEK293SF cell line
 HEK293SF-3F6 cell line
 HEK293T SARS-CoV-2 Spike cell line
 hepatosplenic gamma delta T cell lymphoma
 hepatosplenic T cell lymphoma
 Herbaspirillum seropedicae
 herd immunity threshold
 herpes simplex meningitis
 herpes simplex meningoencephalitis
 herpetic encephalitis
 high frequency irreversible electroporation
 high pressure processing
 high-cost technology
 high-fat diet-induced inflammation
 His bundle block
 His bundle pacing
 HITS-CLIP
 HIV encephalitis
 HIV-associated cryptococcal meningitis
 HIV-associated encephalitis
 HIV-associated meningitis
 Hollenhorst plaque
 host tropism
 human diversity
 human herpesvirus 6 encephalitis
 hypertrophic pachymeningitis
 iCLIP (immunoprecipitation)
 idiopathic hypertrophic pachymeningitis
 Iflaviridae
 Iflavirus
 ilium fracture
 illusion of control
 illusory correlation
 immunoinformatics
 impaction fracture
 income distribution
 income inequality
 infantile amnesia
 infectious limbic encephalitis
 infectious meningitis
 influenza encephalitis
 infusion pump software
 inhalational anthrax
 inhibin test kit
 insufficiency fracture
 insulin test kit
 intermittent exposure
 interposition arthroplasty
 intersectionality
 intestinal T cell lymphoma
 invasive pulmonary aspergillosis
 ionomics
 IPLB-LD-65 cell line
 IPLB-LD-65Y cell line
 Jefferson fracture
 joint capsulorrhaphy
 K562/GM-CSF cell line
 keratocyst
 Koala retrovirus
 laboratory analyzer operation system
 lactational exposure
 laminotomy
 Le Fort fracture
 lean meat percentage
 Leptolyngbya boryana
 leptomeningitis
 leptospiral meningitis
 limbic encephalitis
 Lisfranc fracture
 Listeria encephalitis
 Listeria meningoencephalitis
 locus control region

long COVID
 long term care insurance
 lumbar spine fracture
 lysosomal trapping
 magnetomyography
 magnetoreceptor
 magnetosensing
 magnetotaxis
 maxillary advancement
 maxillomandibular advancement
 MDOK cell line
 measles encephalitis
 mechanosensing
 mechanotaxis
 mental fatigue
 MERS virus test kit
 microangiopathic hemolytic anemia
 microdissectomy
 microfracture (injury)
 microfracture (procedure)
 microsporidial keratitis
 microwave sterilization
 midface fracture
 milkers nodule
 misinformation effect
 mitral annular plane systolic excursion
 Mollaret meningitis
 Mondor's disease
 monocyte lymphocyte ratio
 monomorphic epitheliotropic intestinal T cell
 lymphoma
 MRI guided linear accelerator
 mumps encephalitis
 mumps meningitis
 mumps meningoencephalitis
 Mycobacterium leprae test kit
 national identity
 needle electromyography
 neonatal pneumothorax
 neonatal respiratory failure
 nerve root resection
 neural leprosy
 neurodisability
 neurodiversity
 neurotropic virus
 Nitrobacter winogradskyi
 non-paraneoplastic limbic encephalitis
 nonthermal irreversible electroporation
 nucleic acid genotyping array kit
 nucleic acid library preparation kit
 nucleic acid sequencing kit
 nursing fee
 OA3.Ts cell line
 ocular larva migrans
 open Bankart repair
 open door laminoplasty
 operator region
 orbital anthrax
 orbital floor
 orbital floor fracture
 orbital roof
 orbital roof fracture
 overconfidence
 overestimation bias
 overrepresentation analysis
 pachymeningitis
 Paenibacillus amylolyticus
 Paeniclostridium
 pancreatic ductal carcinoma
 panfacial fracture
 Pangolin coronavirus
 Pantoea ananatis
 papillary craniopharyngioma
 PAR-CLIP
 parametric analysis of gene set enrichment
 paraneoplastic encephalitis
 paraneoplastic encephalomyelitis
 paraneoplastic limbic encephalitis
 parasitic encephalitis
 parasitic meningoencephalitis
 pathological lying
 pathway enrichment analysis
 penile frenulum
 penile Mondor's disease
 PER.C6 TetR cell line
 performance bias
 perinatal exposure
 periodontal cyst
 personality psychology
 pharmacy fee
 phlegmasia alba dolens
 phlegmasia cerulea dolens
 photosensing
 phrenectomy
 phylodynamics
 pilon fracture
 plasma ablation system
 polarotaxis

political identity
 polysomnography software
 positive illusion
 positivity bias
 poverty level
 preadipocyte cell line
 prescribing practice
 pressure sterilization
 primacy effect
 pristane-induced systemic lupus erythematosus
 pro-environmental behavior
 problem oriented medical record
 property insurance
 prosody
 protein creatinine ratio
 protein digestibility corrected amino acid score
 protein isolation kit
 proteochemometrics
 psychedelic therapy
 pubis fracture
 pull-down assay
 pulmonary histoplasmosis
 purchasing power
 R05T cell line
 R06E cell line
 R15-Spike cell line
 R22-Spike cell line
 R31-Spike cell line
 R52-Spike cell line
 racial background
 racial disparity
 racial diversity
 racial identity
 recency effect
 religious background
 religious identity
 reminiscence bump
 resection arthroplasty
 respiratory virus test kit
 Reston ebolavirus
 resurfacing arthroplasty
 reverse transcriptase PCR assay kit
 reversible electroporation
 rheotaxis
 rigidity sensing
 RNA immunoprecipitation
 RNA interference assay kit
 RNA pull-down
 rotationplasty
 rotator cuff repair
 rubella panencephalitis
 S1D7-Spike cell line
 S3D8-Spike cell line
 sacbrood virus
 sacrectomy
 sacrum fracture
 sample lysis equipment
 sample processing kit
 sample stabilization kit
 SARS-CoV-2 (clinical isolate Australia/QLD02/2020)
 SARS-CoV-2 (clinical isolate Belgium/GHB-03021/2020)
 SARS-CoV-2 (clinical isolate BetaCoV/Munich/BavPat1/2020)
 SARS-CoV-2 (clinical isolate human/NLD/Nijmegen1/2020)
 SARS-CoV-2 (clinical isolate Italy-INMI1)
 SARS-CoV-2 (clinical isolate PIK35)
 SARS-CoV-2 (Germany/FI1103201/2020 (EPI-ISL 463008, D614G))
 SARS-CoV-2 (human/tc/India/2020/Hisar-4907)
 SARS-CoV-2 (isolate ICGEB-FVG 5)
 SARS-CoV-2 (strain BetaCoV/wuhan/AMMS01/2020)
 SARS-CoV-2 (strain hCoV-19/CHN/SYSU-IHV/2020)
 SARS-CoV-2 (strain JPN/NGS/IA-1/2020)
 SARS-CoV-2 (strain NL/2020)
 SARS-CoV-2 (strain PR-1)
 SARS-CoV-2 variant VUI-21APR-01
 SARS-CoV-2 virus (HRB26/human/2020/CHN)
 Schneider 2 cell line
 sciCHO cell line
 sciCHO:hACE2 cell line
 sciCHO:hACE2:hTMPRSS2 cell line
 scientometrics
 scleroderma renal crisis
 scopolamine-induced memory impairment
 scototaxis
 sectional anatomy
 septic thrombophlebitis
 serial position effect
 serotype prevalence

Sf9 SARS-CoV-2 Spike S1 cell line
 Sf9 SARS-CoV-2 Spike S2 cell line
 Sf900+ cell line
 short term exposure
 single fiber electromyography
 social anxiety
 social identity
 social inequality
 social preference
 social value
 socioeconomic background
 socioeconomic distribution
 Sp2/mIL-6 cell line
 spacing effect
 speech generating device
 spiral fracture
 stair lift
 stand up chair
 steam sterilization
 sternum fracture
 Streptococcus vestibularis
 subdural abscess
 surface electromyography
 talectomy
 Tb 1 Lu cell line
 temporal bone fracture
 terminator sequence
 thermal hypoalgesia
 thermotaxis
 thigmotaxis
 thoracic fracture
 thoracic spine fracture
 thoracic sympathectomy
 thoracolumbar burst fracture
 thoracolumbar fracture
 Thoracolumbar Injury Classification and Severity score
 thrombocytopenic purpura-hemolytic uremic syndrome
 thrombophlebitis migrans
 thrombotic microangiopathy
 thumb fracture
 tissue tropism
 toe fracture
 tracheoesophageal speech
 tracheostomy decannulation
 transcriptome analysis software
 transmit power
 transphobia
 trifascicular block
 triple arthrodesis
 tuberculous meningoencephalitis
 tubulogenesis
 Upshaw-Schulman syndrome
 vaccine-induced immune thrombotic thrombocytopenia
 vacuum manifold
 value orientation
 variant of concern
 variant of interest
 Vero-B4 cell line
 Vero/hSLAM cell line
 Vero/TMPRSS2 cell line
 vertebral body fracture
 vertebral pedicle fracture
 video surveillance
 viral diversity
 viral meningoencephalitis
 vision insurance
 vulnerable plaque
 WAe001-A-58 cell line
 Waterhouse-Friderichsen syndrome
 wealth distribution
 wealth inequality
 Weissella paramesenteroides
 XTC-2 cell line
 Yersinia enterocolitica test kit
 zygomaticomaxillary complex fracture

Drug terms

New or pre-existing term

* indicates pre-existing term

acetylsalicylic acid plus caffeine*

acetylsalicylic acid plus ethoheptazine
plus meprobamate

afamitresgene autoleucel*

belcesiran

bicarbonate plus macrogol 3350 plus
potassium chloride plus sodium chloride
plus sodium sulfate*

bismuth salicylate plus metronidazole
plus tetracycline

comirnaty

convidicea

coronavac*

elasomeran

lilotomab tetraxetan lutetium lu 177

orphenadrine citrate plus paracetamol

recombinant blood clotting factor 8*

sputnik v vaccine

vaxzevria

zevorcabtagene autoleucel

Old (replaced) term

These terms become synonyms of the new term

anacin

equagesic

adp a2m4

dcr s1459

colyte

helidac

tozinameran

ad5 ncov vaccine

picovacc vaccine

mRNA-1273 vaccine

tetulomab tetraxetan lutetium lu 177

norgesic

bivv 001

gam-covid-vac

chadox1 ncov 19

ct053

Non-drug terms

New or pre-existing term

* indicates pre-existing term

anti NMDA receptor encephalitis

augmentative and alternative communication

autoimmune encephalitis

autoimmune encephalomyelitis

biomechanical software

Bipolaris*

bodily secretions*

cellular imaging software

embryo assessment software

esophageal speech

experimental autoimmune

encephalitis

Filovirus*

genomic analysis software

infusion pump software

keratocyst

laboratory analyzer operation system

microfracture (procedure)

monocyte lymphocyte ratio

operator region

Polyporaceae*

polysomnography software

pristane-induced systemic lupus

erythematosus

protein creatinine ratio

scopolamine-induced memory

impairment

Old (replaced) term

These terms become synonyms of the new term

anti n methyl d aspartate receptor encephalitis

facilitated communication

allergic encephalitis

allergic encephalomyelitis

biomechanical function analysis/rehabilitation software

Cochliobolus

fluor

cancer cell marker/morphology image-analysis software IVD

embryo assessment microscope camera system software

esophagus speech

experimental allergic encephalitis

Filoviridae

human genomic analysis interpretive software

infusion pump medication dosage software

odontogenic keratocyst

laboratory analyzer operation system software

microfracture

monocyte to lymphocyte ratio

operator gene

Coriolaceae

polysomnography device software

pristane-induced lupus

protein to creatinine ratio

scopolamine-induced amnesia

