## Emtree Terms Added and Changed (September 2016)

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

Overall, Emtree has grown by 784 preferred terms ( 35 drug terms and 749 non-drug terms) compared with the previous version released in May 2016. In total Emtree now counts 74,706 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 2016

860 new terms (including 76 replacement terms and promoted synonyms) have been added to Emtree as preferred terms in version September 2016 (compared to May 2016):

■ 51 drug terms (terms assigned to the Chemicals and Drugs facet).

- 809 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 September 2016

76 terms ( 16 drug terms and 60 non-drug terms) from Emtree May 2016 have been replaced by 76 different terms in September 2016 (16 drug terms and 60 non-drug terms).

Of these, 60 terms ( 9 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 16 replacement terms ( 7 drug terms and 9 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

4 [1 oxo 3 (2,6,6 trimethyl 1 cyclohexen 1 yl) 2 propen 1 yl 11 piperazinecarboxamide
4' [[(2 methoxy 1 methyl 2
oxoethyl)amino](phenoxy)phospho]pantothenic acid methyl ester
6 (2 fluorophenyl) n [3 [2 [(2
methoxyethyl)amino]ethyl]phenyl] 5,6
dihydrobenzo[h]quinazolin 2 amine
adegramotide
afabicin
auto crosslinked hyaluronic acid
biocompatible coated material
birabresib
brazikumab
ciprofloxacin plus fluocinolone acetonide
dextro tyrosylisoleucylcysteinylvalyl 1
methyltryptophylglutaminylaspartyltryptophyln
methylglycylalanylhistidylarginylcysteinyl $n$
methylisoleucinamide 3,13 cyclic sulfide
epinephrine
erenumab
eys 606
formoterol fumarate plus glycopyrronium bromide galinpepimut $S$
gallium dotatate ga 68
glycopyrronium
heterogeneous nuclear ribonucleoprotein group A B heterogeneous nuclear ribonucleoprotein group C heterogeneous nuclear ribonucleoprotein group F H heterogeneous nuclear ribonucleoprotein group M hm71224
lacosamide
maralixibat
Matricaria flower extract
Matricaria oil
plant protein
polyethylene glycol modified cystathionine beta synthase
post-translationally modified protein
proteins by anatomical concept
proteins by cellular component
proteins by organism
proteins by physicochemical property
quinlukast
ribonucleotide reductase R2 specific
phosphorothioate oligonucleotide
RNA binding protein FUS
rosomidnar
smoflipid
solifenacin plus mirabegron
solifenacin plus tamsulosin
spin label
strimvelis
tucidinostat
uprifosbuvir
utomilumab
verdin
viral protein
virginiae butanolide B
virginiae butanolide D
virginiae butanolide E

## Non-drug terms

abandoned child
abdominal actinomycosis
Abkhazia
abreaction
Abu Dhabi
Aceh
acoustic neuroma
Acre (state)
adductor magnus muscle
adrenal chromaffin cell
adrenal medullary cell
adrenal tuberculosis
advance care planning
advocacy group
aerobic glycolysis
Aguascalientes (state)
AIDS arteritis
airway cell
airway epithelial cell
Ajman
Alagoas
Aland
alcohol rehabilitation
alcohol withdrawal seizure
alcohol withdrawal syndrome
alcoholic delirium
alcoholic hallucinosis
all-terrain vehicle
alloreactive T cell
alveolar ridge augmentation
alveolectomy
alveoloplasty
Amapa
Amazonas (Brazil)
amphetamine abuse
amphetamine dependence
amputee
amygdala neuron
Andaman and Nicobar Islands
Andhra Pradesh
animal toxoplasmosis
animal well-being
anomie
antenna (radio)
anti-infective therapy
antifungal therapy
antihelminthic therapy
antiparasitic therapy
antiprotozoal therapy
aortic endothelial cell
aortic smooth muscle cell
apex cardiography
apexification
apicoectomy
apparent diffusion coefficient
Arab world
arterial smooth muscle
arterial smooth muscle cell
arterial spin labeling
artery perfusion pressure
artificially sweetened beverage
Assam
aunt
autosuggestion
axotomy
Azad Jammu and Kashmir
Azores
Bahia
Balearic Islands
ballistocardiography
barber surgeon
Barton fracture
basal cell carcinoma cell
basal lamina
behavioral addiction
benchmarking
bereavement support
Bergmann glia cell
best corrected visual acuity
Bihar
bilateral nephrectomy
bile duct adenoma
biobank
biomedical enhancement
black hole
blood dendritic cell
blood relative
bloodletting
bone bank
boron neutron capture therapy
Brill-Zinsser disease
brother
brother-in-law
Brussels Capital Region
budding yeast
bulbar poliomyelitis
bulbospinal poliomyelitis
burial
Campeche (state)
Canary Islands
cancer associated fibroblast
capitalism
capitate fracture
cardiac interstitium
cardiac surgery intensive care unit
cardiology service
cardiovascular syphilis
caries assessment
catharsis
causality
Ceara
cecum mucosa
cemetery
central retina
cerebral malaria
cerebral toxoplasmosis
cervicofacial actinomycosis
Chagas cardiomyopathy
chancre
Chandigarh
chemical stimulation
Chhattisgarh
Chiapas
Chihuahua (state)
child of impaired parents
child-in-law
childhood cancer survivor
childhood sexual abuse survivor
chiropractic manipulation
cholangiocyte
choroidal thickness
chronotherapy
cine magnetic resonance imaging
clinical audit
clinical laboratory personnel
clinical laboratory service
clinical outcome
Coahuila
Colima (state)
Colinus virginianus
collecting tubule cell
colon cell
colonialism
communism
community periodontal index of treatment needs
compulsive buying
computed tomography enterography
computer addiction
confirmatory factor analysis
confocal laser scanning microscopy
consumer organization
corrected distance visual acuity
Corsica
counter pressure
country economic status
couple therapy
cousin
craving
cremation
crematorium
crown lengthening
cultural diversity
cutaneous syphilis
daughter-in-law
DEAE cellulose chromatography
democracy
dengue hemorrhagic fever
dengue shock syndrome
dental debridement
dental disease assessment
dental marginal adaptation
dental prevention
dental prophylaxis
dental pulp capping
dental pulp devitalization
dental pulp stem cell
dental restoration
dental scaling
dietary service
digital breast tomosynthesis
discectomy
dispersity
distal femur
distal fibula
distal humeral fracture
distal humerus
distal radius
distal radius fracture
distal tibia
distal ulna
DMF index
DMFS index
DMFT index
DNA damage response
domestic partner
donor-host cell interaction
Dothideomycetes
double bind
drug craving
drug induced malformation
drug utilization review
dual antiplatelet therapy
Durango (state)
dynamic contrast-enhanced magnetic resonance
imaging
economic model
electronic device
embalming
endodontic procedure
endodontic surgery
energy dispersive $X$ ray spectroscopy
entrepreneurship
environmental decision making
ephyra (life cycle stage)
epicardial fat
epidemic typhus
epineurium
Espirito Santo
estimated glomerular filtration rate
European wild boar
Eurotiomycetes
excretion fraction
experimental dental caries
experimental pyelonephritis
exploratory factor analysis
extended radical mastectomy
eye bank
facial canal
factor analysis
family income
fat pad
father-in-law
Federal District (Brasilia)
Federation of Bosnia and Herzegovina
feline toxoplasmosis
felony
female genital tuberculosis
femoral condyle
femoral head
femoral head fracture
femoral neck
femoral neck fracture
femoral shaft
fermented milk product
fibula head
fibula neck
fibula shaft
first cousin
first-degree relative
fish product
fission yeast
Flanders
fly control
food craving
foot muscle
forearm injury
foreign medical graduate
foreign nurse
foreign physician
forensic anthropology
fractional precipitation
fracture of greater trochanter
fracture of lesser trochanter
Freudian theory
full mouth rehabilitation
functional connectivity
Galeazzi fracture
game addiction
gastric bypass surgery
gastric tuberculosis
gastrointestinal tuberculosis
genioplasty
geophagia
gestational carrier
gestational weight gain
Gilgit-Baltistan
gingival bleeding index
gingival index
gluteus muscle
Goa
Goias
graft size
granddaughter
grandfather
grandmother
grandson
granulosa lutein cell
great-grandfather
great-grandmother
great-grandparent
Greek world

Federal District (Brasilia)
Federation of Bosnia and Herzegovina
ne toxoplasmosis
female genital tuberculosis
femoral condyle
femoral head
femoral head fracture
femoral neck
femoral neck fracture
fermented milk product
fibula head
fibula neck
fibula shaft
first cousin
first-degree relative
fission yeas
Flanders
fly control
food craving
oot muscle
forearm injury
graduate
foreign nurse
forensic anthropology
fractional precipitation
fracture of greater trochanter
fracture of lesser trochanter
full mouth rehabilitation
functional connectivity
Galeazzi fracture
game addiction
gastric bypass surgery
astric tuberculosis
genioplasty
geophagia
gestational carrier
gestational weight gain
Gilgit-Baltistan
ingival bleeding index
gingival index
gluteus muscle
Goa
Goias
graft size
granddaughter
grandfather
grandmother
grandson
granulosa lutein cell
great-grandfather
great-grandmother
Greek world
gross national income
Guanajuato (state)
Guerrero
guineafowl
Gujarat
hair follicle cell
half-brother
half-sibling
half-sister
hamate fracture
hand disinfection
Haryana
head muscle
hearing impaired person
heart center
heart left atrium muscle
heart right atrium muscle
heart right ventricle muscle
heliotherapy
Hensen cell
hepatic tuberculosis
Hidalgo
high dependency unit
high income country
high oxygen pressure
high-energy shock wave
highest income group
Himachal Pradesh
hip muscle
HIV enteropathy
Holtzman inkblot technique
home parenteral nutrition
home visit
homeless man
homeless person
homeless woman
homeless youth
hospital auxiliary
hospital CEO
hospital volunteer
household income
housekeeping
HTLV-1 infection
HTLV-2 infection
humeral condyle
humeral head
humeral head fracture
humeral neck
humeral neck fracture
humeral shaft
humeral supracondylar fracture
husband
hyperbaric oxygen therapy
hypoosmolality
hypoosmolarity
image intensification
image segmentation
immunological pregnancy test
in vitro fertilization
in-law
income group
index of orthodontic treatment need
infant care
infected aneurysm
information technology device
institutionalized adolescent
institutionalized adult
institutionalized child
institutionalized elderly
institutionalized person
interference microscopy
intestinal tuberculosis
intraoperative monitoring
intraoperative neurophysiological monitoring
Iraqi Kurdistan
Irian Jaya
Jalisco
Jammu and Kashmir
Japanese wild boar
Jharkhand
jugular foramen
Jungian theory
Karnataka
Kerala
kinetocardiography
knee collateral ligament
knee lateral collateral ligament
knee medial collateral ligament
Lakshadweep
laminitis
language therapy
large intestine wall
laser-assisted balloon angioplasty
latent syphilis
latent toxoplasmosis
lateral malleolar fracture
lateral malleolus
lateral tibial plateau
Le Fort I osteotomy
Le Fort II osteotomy
Le Fort III osteotomy
Le Fort osteotomy
least square analysis
Lecanoromycetes
left bronchial artery
left hippocampus
left liver lobe
left lung
Leotiomycetes
limb bud cell
limb bud mesenchymal cell
Listeria meningitis
liver caudate lobe
liver quadrate lobe
liver stiffness
lobbying
lobbyist
logotherapy
longissimus thoracis
low income country
lower leg muscle
lumpectomy
lumpy jaw
lunate fracture
Lyme arthritis
Lyme neuroborreliosis
lymph node toxoplasmosis
Madeira
Madhya Pradesh
magnetic resonance elastography
magnetic resonance enterography
Maharashtra
male genital tuberculosis
malocclusion assessment
mandibular advancement
Manipur
mantle (mollusc)
Maranhao
marginal ear vein
maternal health service
Mato Grosso
Mato Grosso do Sul
matrix-assisted laser desorption-ionization mass
spectrometry
MDA MB 231 cell line
medial malleolar fracture
medial malleolus
medial tibial plateau
medical director
medical intensive care unit
medical receptionist
medical record administrator
medical secretary
medium spiny neuron
Meghalaya
Meloidae
mental day hospital
mentally disabled person
mesenteric lymph node lymphocyte
metastatic breast cancer
metastatic colon cancer
metastatic uvea melanoma
Mexico City
Michoacan
middle ear muscle
middle income country
middle income group
middle phalanx
milk bank
milk powder
milk substitute
Minas Gerais
misdemeanor
mite control
Mizoram
modified radical mastectomy
Moire topography
monocyte like cell
Monomorium
Monomorium pharaonis
monteggia fracture
Morelos
mosquito control
mother-in-law
motor learning
multiphasic screening
murine toxoplasmosis
murine typhus
musculoskeletal infection
musculoskeletal manipulation
Mycobacterium terrae complex
Mycobacterium tuberculosis complex
Mylabris
myocardial ischemia reperfusion injury
Nagaland
narcotics anonymous
National Capital Territory of Delhi
national socialism
Nayarit
needle sharing
neonatal abstinence syndrome
neonatal intensive care unit
nephew
nephron cell
neuroborreliosis
neurological intensive care unit neurotomy
niece
Notodontidae
Nuevo Leon
Numida
Numida meleagris
nursing audit
Oaxaca (state)
occlusal adjustment
ocular onchocerciasis
ocular toxoplasmosis
Odisha
Odontophoridae
oligodendrocyte progenitor
onchodermatitis
operative dentistry
oral hygiene index
oral tuberculosis
orthodontic anchorage
orthodontic extrusion
orthodontic procedure
orthodontic space closure
orthodontic surgery
orthodontic tooth movement
osteopathic manipulation
osteopathic physician
ostomy
pagophagia
palatal expansion
pancreas endocrine insufficiency
pancreatic tuberculosis
Papua Province
Para
Paraiba
paralytic poliomyelitis
Parana (state)
parasitic eye infection
parent-in-law
parental death
parental leave
pars orbitalis
patient dumping
patient visitor
patient-reported outcome
Pavo cristatus
pediatric intensive care unit
peer assessment rating index
pelvis floor muscle
pelvis muscle
penile prosthesis implantation
percutaneous discectomy
Perdicinae
pericardial fat
periodontal disease assessment
periodontal guided tissue regeneration
periodontal index
periodontal procedure
perioperative monitoring
peripheral blood dendritic cell
peripheral retina
Pernambuco
peroral endoscopic myotomy
personal income
Pezizomycetes
Pezizomycotina
phalanx fracture
phantom limb
Phasianidae
Phasianinae
phencyclidine abuse
phencyclidine dependence
phoniatry
phosphoproteomics
photogrammetry
photothermal therapy
physiatrist
physical stimulation
physical well-being
physically disabled person
Piaui
pisiform fracture
pituicyte
placental function test
placental mammal
plaque index
plasma exchange
plasmacytoma cell
platelet distribution width
pleasure principle

## Plodia

Plodia interpunctella
posterior cruciate ligament injury
posterior cruciate ligament rupture
potomania
preimplantation genetic diagnosis
preprosthetic surgery
promonocytic cell
prophylactic mastectomy
prostate cell
prostate lobe
protein misfolding
protein splicing
proximal femur
proximal fibula
proximal humerus
proximal phalanx
proximal radius
proximal radius fracture
proximal tibia
proximal ulna
psychiatric intensive care unit
psychological interview
psychological well-being
pubovaginal sling procedure
Puducherry
Puebla (state)
pulmonary actinomycosis
pulmonary toxoplasmosis
pulpectomy
pulpotomy
pulsatility index
Punjab (India)
Queretaro (state)
Quintana Roo
race relation
radial head
radial shaft
radial styloid process
radiation induced malformation
radical mastectomy
radical nephrectomy
radioembolization
radius shaft fracture
Rajasthan
rational emotive behavior therapy
reconstructive surgery
red blood cell distribution width
reflectance confocal microscopy
regioselectivity
renal cortical cell
renal medullary cell
reproductive sterilization
Republic of Srpska
restorative dentistry
retention time
reticular lamina
retrograde obturation
rice milk
right bronchial artery
right hippocampus
right liver lobe
right lung
Rio de Janeiro (state)
Rio Grande do Norte
Rio Grande do Sul
rollator
Roman world
Rondonia
root canal obturation
root canal preparation
root planing
Roraima
Rorschach test
Saccharomycotina
safety procedure
Sahel
San Luis Potosi (state)
Santa Catarina (state)
Sao Paulo (state)
Sardinia
satellite glial cell
school administrator
sclerostomy
second-degree relative
secondary ion mass spectrometry
self psychology
Sergipe
serial extraction (dental)
severe dengue
sex worker
shared decision making
Sharjah
sharps injury
short term psychotherapy
shoulder muscle
sibling-in-law
Sicily
simple mastectomy
Sinaloa
single parent child
single-parent family
sister
sister-in-law
six minute walk test
small intestine wall
Smith fracture
snowmobile
socialism
software
Somaliland
son-in-law
Sonora
specimen handling
speech and language rehabilitation
speech discrimination test
spinal poliomyelitis
spine manipulation
splenic B cell
splenic T cell
splenic tuberculosis
State of Mexico
stepchild
stepfather
stepmother
stepparent
stereophotography
stereoselectivity
subacute care
suburethral sling procedure
sugar-sweetened beverage
sulcus bleeding index
supported employment
suprapubic arc sling procedure
surgical intensive care unit
surrogate mother
sweet craving
sweetened beverage
syncytiotrophoblast cell
synesthesia
T cell lymphoblastic leukemia cell
Tabasco
Tamaulipas
Tamil Nadu
Taphrinomycotina
tapped density
target tissue
taste bud cell
Telangana
telomere length
temporoparietal junction
tension-free vaginal tape procedure
tentacle
tertiary prevention
thalamus disease
Thaumetopoea
thigh muscle
third-degree relative
thoracostomy
thorax muscle
thyroid follicular cell
thyroid tuberculosis
tibial condyle
tibial epiphysis
tibial metaphysis
tibial plateau fracture
tibial shaft
tibial tuberosity
tick control
tick paralysis
tissue bank
Tlaxcala (state)
Tocantins
toilet training
toileting
tooth replantation
total mesorectal excision
transient elastography
translational protein modification
transobturator tape procedure
trapezium fracture
Treponema pallidum immobilization test
Tripura
triquetrum fracture
trophocyte
twin study
type 1 astrocyte
type 1 epithelial cell
type 1 vestibular hair cell
type 2 astrocyte
type 2 epithelial cell
type 2 vestibular hair cell
typist
ulnar head
ulnar shaft
ulnar styloid process
ultraviolet microscopy
ultraviolet phototherapy
ultraviolet spectrophotometer
umbilical cord blood cell
uncle
unwanted child
urinary excretion fraction
urine sampling
Uttar Pradesh
Uttarakhand
vaginal trichomoniasis
vascular endothelial cell
venous smooth muscle
ventral mesencephalon
Veracruz (state)
vestibuloplasty
visual attention
visually impaired person
voice training
Vojvodina
Wallonia
weapon of mass destruction
West Bengal
West Papua Province
Western world
wife
work of breathing
Yucatan
Zacatecas (state)

## Drug terms

## New or pre-existing term

* indicates pre-existing term
birabresib
epinephrine
funapide*
glycopyrronium
heterogeneous nuclear ribonucleoprotein group C
heterogeneous nuclear ribonucleoprotein group M
kabiven*
lacosamide
maralixibat
neurotrophin receptor p75*
plant protein
recombinant tumor necrosis factor*
tumor necrosis factor*
tumor necrosis factor antibody*
tumor necrosis factor inhibitor*
viral protein


## Old (replaced) term

These terms become synonyms of the new term

4 (4 chlorophenyl) n (4 hydroxyphenyl) 2,3,9 trimethyl 6h thieno[3,2 f][1,2,4]triazolo[4,3
a][1,4]diazepine 6 acetamide
adrenalin
xen 402
glycopyrronium bromide
heterogeneous nuclear ribonucleoprotein C heterogeneous nuclear ribonucleoprotein $M$ perikabiven
harkoseride
maralixibat chloride
CD271 antigen
vegetable protein
recombinant tumor necrosis factor alpha
tumor necrosis factor alpha
tumor necrosis factor alpha antibody
tumor necrosis factor alpha inhibitor
virus protein

## Non-drug terms

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

acoustic neuroma
alcohol rehabilitation
alcohol withdrawal syndrome
alcoholism*
androgen insensitivity syndrome*
animal well-being
antenna (radio)
antihelminthic therapy
arterial smooth muscle
axotomy
budding yeast
cerebral malaria
chronopharmacology*
clinical audit
confocal laser scanning microscopy
dental prevention
dental restoration
diaphragm*
discectomy
ephyra (life cycle stage)
European wild boar
excretion fraction
eye bank
factor analysis
fat pad
femoral condyle
femoral head
femoral neck
femoral neck fracture
femoral shaft
first-degree relative
gastric bypass surgery
humeral head
humeral supracondylar fracture
hyperbaric oxygen therapy
in vitro fertilization
intestinal tuberculosis
jungle fowl*
mental day hospital
mesothelioma*
metastatic breast cancer
metastatic colon cancer
neurotomy
oligodendrocyte progenitor
partial mastectomy*
Perdicinae
periodontal procedure
peritoneal fibrosis*
pest control*
Phasianinae
placental mammal psychological well-being
second-degree relative
software

## Old (replaced) term

These terms become synonyms of the new term
acoustic neurinoma
alcohol rehabilitation program
alcohol withdrawal
alcohol use disorder
testicular feminization
animal wellbeing
antenna
worm expulsion
artery muscle
nerve fiber transection
Saccharomycetales
brain malaria
drug chronotherapy
medical audit
confocal laser microscopy
preventive dentistry
reparative dentistry
diaphragm muscle
intervertebral diskectomy
ephyra
wild boar
fractional excretion
eyebank
factorial analysis
fat body
femur condyle
femur head
femur neck
femur neck fracture
femur shaft
first degree relative
stomach bypass
humerus head
humerus supracondylar fracture
hyperbaric oxygen
fertilization in vitro
intestine tuberculosis
Gallus
day hospital
malignant mesothelioma
breast metastasis
colon metastasis
nerve transection (procedure)
oligodendrocyte precursor cell
segmental mastectomy
partridge
periodontics
sclerosing peritonitis
pest management
pheasant
placental mammals
psychological well being
second degree relative
computer program
third-degree relative thyroid follicular cell tibial epiphysis
tibial shaft
tibial tuberosity
urinary excretion fraction
third degree relative
thyroid follicle cell
tibia epiphysis
tibia shaft
tibia tuberosity
urinary fractional excretion

