

# MEDLINE Subheadings and Publication Types



## Subheadings

Below is a list of subheadings that can be used with Medical Subject Headings (MeSH) in MEDLINE. To the right of each subheading is the two-character abbreviation that show up in MEDLINE search histories. Not all subheadings can be used with all subject headings. For example, **ad (administration & dosage)** can only apply to drugs. Information on pre-exploded subheadings can be found on the back of this sheet.

Abnormalities (AB)	Deficiency (DF)	Legislation & Jurisprudence (LJ)	Radionuclide Imaging (RI)
Administration & Dosage (AD)	Diagnosis (DI)	Manpower (MA)	Radiotherapy (RT)
Adverse Effects (AE)	Diagnostic Use (DU)	Metabolism (ME)	Rehabilitation (RH)
Agonists (AG)	Diet Therapy (DH)	Methods (MT)	Secondary (SC)
Analogs & Derivatives (AA)	Drug Effects (DE)	Microbiology (MI)	Secretion (SE)
Analysis (AN)	Drug Therapy (DT)	Mortality (MO)	Standards (ST)
Anatomy & Histology (AH)	Economics (EC)	Nursing (NU)	Statistics & Numerical Data (SN)
Antagonists & Inhibitors (AI)	Education (ED)	Organization & Administration (OG)	Supply & Distribution (SD)
Biosynthesis (BI)	Embryology (EM)	Parasitology (PS)	Surgery (SU)
Blood (BL)	Enzymology (EN)	Pathogenicity (PY)	Therapeutic Use (TU)
Blood Supply (BS)	Epidemiology (EP)	Pathology (PA)	Therapy (TH)
Cerebrospinal Fluid (CF)	Ethics (ES)	Pharmacokinetics (PK)	Toxicity (TO)
Chemical Synthesis (CS)	Ethnology (EH)	Pharmacology (PD)	Transmission (TM)
Chemically Induced (CI)	Etiology (ET)	Physiology (PH)	Transplantation (TR)
Chemistry (CH)	Genetics (GE)	Physiopathology (PP)	Trends (TD)
Classification (CL)	Growth & Development (GD)	Poisoning (PO)	Ultrasonography (US)
Complications (CO)	History (HI)	Prevention & Control (PC)	Ultrastructure (UL)
Congenital (CN)	Immunology (IM)	Psychology (PX)	Urine (UR)
Contraindications (CT)	Injuries (IN)	Radiation Effects (RE)	Utilization (UT)
Cytology (CY)	Innervation (IR)	Radiography (RA)	Veterinary (VE)
	Instrumentation (IS)		Virology (VI)
	Isolation & Purification (IP)		

## Publication Types

Use of publication types began in 1991; types introduced later are followed by the year of introduction. **Note:** Items marked with asterisks are not available on the pull-down menu limit after a completed search. To search a publication type, enter the word or phrase with .at., the publication type field qualifier: *meta analysis.at.* (period-a-t-period)

Addresses	Corrected and Republished Article	Legal Cases	Research Support, NonUS Govt
Bibliography	Dictionary	Legislation	Research Support, US Govt, Non PHS
Biography	Directory	Letter	Research Support, US Govt, PHS
Case Reports*	Duplicate Publication	Meta Analysis	Retracted Publication
Classical Article	Editorial	Multicenter Study	Retraction of Publication
Clinical Conference	English Abstract	News	Review
Clinical Trial	Evaluation Studies	Newspaper Article	Review of Reported Cases*
Clinical Trial Phase I	Festschrift	Overall	Review Multicase*
Clinical Trial Phase II	Government Publications	Patient Education Handout	Review Tutorial*
Clinical Trial Phase III	Guideline	Periodical Index	Scientific Integrity Review
Clinical Trial Phase IV	Historical Article	Practice Guideline	Technical Report
Comment	Interactive Tutorial	Published Erratum	Twin Study
Comparative Study	Interview	Randomized Controlled Trial	Validation Studies*
Consensus Development Conference	Introductory Journal Article*	Research Support, NIH Extramural	
Consensus Development Conference, NIH	In Vitro	Research Support, NIH Intramural	
Controlled Clinical Trial	Journal Article		
	Lectures		

## Pre-Exploded Subheadings

---

Below is a list of pre-exploded subheadings. Each entry is preceded by the two-character abbreviation. The first heading listed defines the category. For example, enter **ae.xsh**, to retrieve all records covering adverse effects, including poisoning and toxicity.

<b>AN</b>	<b>Analysis</b>	<b>OG</b>	<b>Organization &amp; Administration</b>	<b>SN</b>	<b>Statistics &amp; Numerical Data</b>
bl	blood	ec	economics	ep	epidemiology
cf	cerebrospinal fluid	lj	legislation & jurisprudence	eh	ethnology
ip	isolation & purification	ma	manpower	mo	mortality
ur	urine	st	standards	sd	supply & distribution
		sd	supply & distribution	ut	utilization
<b>AH</b>	<b>Anatomy &amp; Histology</b>	td	trends	<b>TU</b>	<b>Therapeutic Use</b>
BS	blood supply	ut	utilization	ad	administration & dosage
CY	cytology	<b>PD</b>	<b>Pharmacology</b>	ae	adverse effects
PA	pathology	ad	administration & dosage	ct	contraindications
UL	ultrastructure	ae	adverse effects	po	poisoning
EM	embryology	po	poisoning	<b>TH</b>	<b>Therapy</b>
AB	abnormalities	to	toxicity	dh	diet therapy
IR	innervation	ag	agonists	dt	drug therapy
		ai	antagonists & inhibitors	nu	nursing
<b>CH</b>	<b>Chemistry</b>	ct	contraindications	pc	prevention & control
ag	agonists	du	diagnostic use	rh	rehabilitation
an	analogs & derivatives	pk	pharmacokinetics	rt	radiotherapy
ai	antagonists & inhibitors	<b>PH</b>	<b>Physiology</b>	su	surgery
cs	chemical synthesis	ge	genetics	tr	transplantation
		gd	growth & development		
<b>DI</b>	<b>Diagnosis</b>	im	immunology		
pa	pathology	me	metabolism		
ra	radiography	bi	biosynthesis		
ri	radionuclide imaging	bl	blood		
us	ultrasonography	cf	cerebrospinal fluid		
		df	deficiency		
<b>ET</b>	<b>Etiology</b>	en	enzymology		
ci	chemically induced	pk	pharmacokinetics		
co	complications	ur	urine		
sc	secondary	pp	physiopathology		
cn	congenital	se	secretion		
em	embryology				
ge	genetics				
im	immunology				
mi	microbiology				
vi	virology				
pa	parasitology				
tm	transmission				

For more information or for help searching MEDLINE, contact Mulford Reference Assistance at 419-383-4218, [MulfordReference@utoledo.edu](mailto:MulfordReference@utoledo.edu), or <http://www.utoledo.edu/library/mulford/resources.html>.