

Cataloging with MeSH

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Agenda

- Introduction to MeSH and the MeSH Browser (~50 minutes)
- Principles of Cataloging with MeSH (~30 minutes)
- Q&A (~10 minutes)



Why Use MeSH?

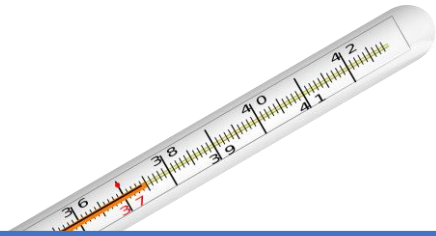


Example 1: Keyword Searching Challenges

Title: Foo-foo dust



Example 2: Keyword Searching Challenges

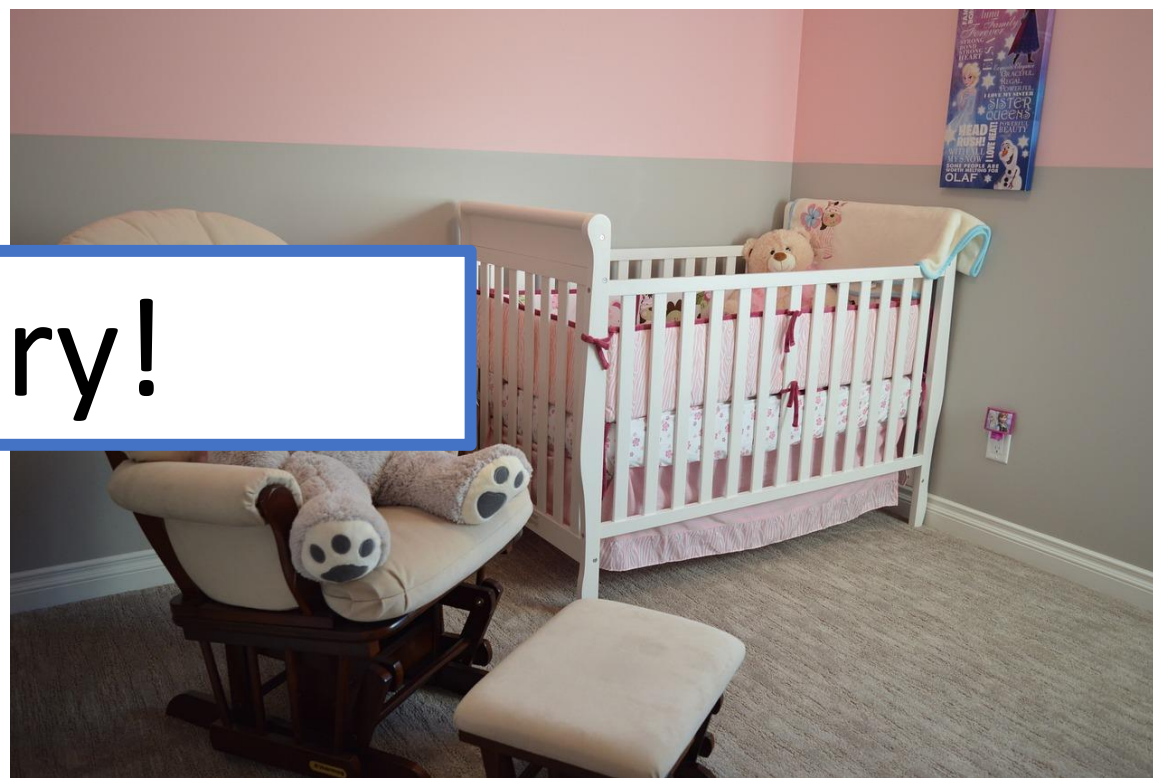


Mercury!



What do we call these? (Respond in chat.)

Example 3: Keyword Searching Challenges



Nursery!

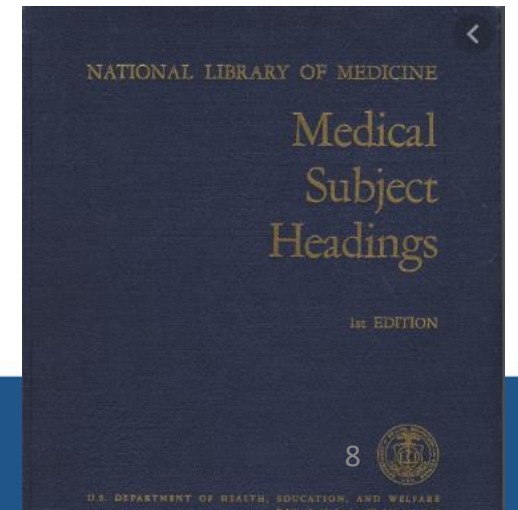
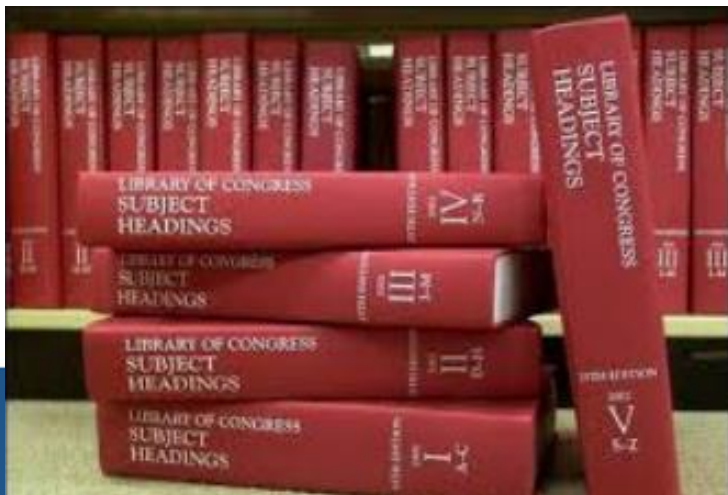
What do we call these? (Respond in chat.)

Controlled Vocabulary

Benefits

- Identifies a preferred way of expressing a concept
- Provides cross-references that lead to the preferred term
- Identifies a term's relationship to broader, narrower, and related term

Examples of Controlled Vocabularies



MeSH: Medical Subject Headings



Find MeSH using the MeSH Browser:

<https://meshb.nlm.nih.gov/search>

3 Types of MeSH Records:

- Descriptors (main headings)
- Qualifiers (subheadings)
- Supplementary Concept Records (not used by Cataloging)

3 Types of MeSH Descriptors:

1. Topical

- Indicate the subject/topic
- *Examples:* Body Weight, Kidney, Self-Medication

2. Publication Characteristics (Publication Types)

- Indicate the genre or format
- *Examples:* Atlases, Handbooks, Statistics

3. Geographicals

- Indicate the geographic locations, including historical locations
- *Examples:* Atlantic Islands, North America, England, Prussia

MeSH Tree Structure

- A. Anatomy
- B. Organisms
- C. Diseases
- D. Chemicals and Drugs
- E. Analytical, Diagnostic and Therapeutic Techniques and Equipment
- F. Psychiatry and Psychology
- G. Phenomena and Processes
- H. Disciplines and Occupations
- I. Anthropology, Education, Sociology and Social Phenomena
- J. Technology, Industry, Agriculture
- K. Humanities
- L. Information Science
- M. Named Groups
- N. Health Care
- V. Publication Characteristics
- Z. Geographicals



MeSH Tree Example

Anatomy

Body Regions

Torso

Back

Lumbosacral Region

Sacrococcygeal Region



MeSH Tree Example (2)

Anatomy

Body Regions

Head

Ear

Anatomy

Sense Organs

Ear

Ear, External +

Ear, Middle +

Ear, Inner +



MeSH Tree Structure (2)

Topical A-N

- A. Anatomy
- B. Organisms
- C. Diseases
- D. Chemicals and Drugs
- E. Analytical, Diagnostic and Therapeutic Techniques and Equipment
- F. Psychiatry and Psychology
- G. Phenomena and Processes
- H. Disciplines and Occupations
- I. Anthropology, Education, Sociology and Social Phenomena
- J. Technology, Industry, Agriculture
- K. Humanities
- L. Information Science
- M. Named Groups
- N. Health Care



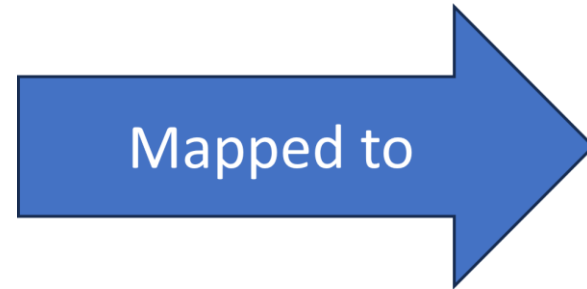
- V. Publication Characteristics
- Z. Geographicals

MeSH Qualifiers (aka Subheadings)

- therapeutic use
 - administration & dosage
 - adverse effects
 - poisoning

Supplementary Concept Records (SCRs)

COVID 19 stress syndrome
COVID 19 rebound
COVID 19 breakthrough infections

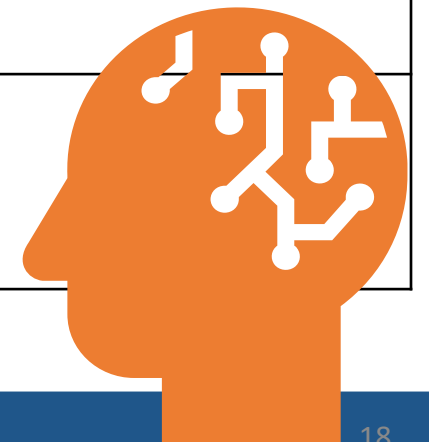


COVID-19

MeSH Record Types: Your Turn!

Q1: Name the type of MeSH term described by each of the below:

1. Primarily substance terms, but also include some protocols, virus terms and rare disease terms	Supplementary Concept Record
2. Describe a topical concept	Descriptor (or Heading)
3. Describe a particular aspect of a concept	Qualifier (or Subheading)



The MeSH Browser

The screenshot displays the MeSH Browser interface. At the top, the NIH National Library of Medicine logo is visible. Below it, a navigation bar includes links for Search, Tree View, MeSH on Demand, MeSH 2023, About, Suggestions, and Contact Us. The main heading is "Medical Subject Headings 2024", with a note that files are updated each week day Monday-Friday by 8AM EST. A search bar is present with the placeholder text "Search MeSH...". To the right of the search bar are four buttons for search criteria: "FullWord", "Exact Match" (which is highlighted in blue), "All Fragments", and "Any Fragment". Below the search bar is a list of radio button options for filtering results, including "All Terms", "Main Heading (Descriptor) Terms" (which is selected), "Qualifier Terms", "Supplementary Concept Record Terms", "MeSH Unique ID", "Search in all Supplementary Concept Record Fields", "Pharmacological Action", and "Search Related Registry and CAS Registry/EC Number/UNII Code/NCBI Taxonomy ID Number (RN)". To the right of these options are two dropdown menus: "Sort by:" set to "Relevance" and "Results per Page:" set to "20".

MeSH Browser Navigation



The MeSH Browser: Version

[Tree View](#) [MeSH on Demand](#) [MeSH 2023](#) [About](#) [Suggestions](#) [Contact Us](#)

Medical Subject Headings **2024**

The files are updated each week day Monday-Friday by 8AM EST

Search Methods

Search MeSH...

FullWord ▾ Exact

All Terms

Main Heading (Descriptor) Terms

...

FullWord Search

SubString Search

Modify Search Methods

Search MeSH... FullWord ▾ Exact Match All Fragments Any Fragment

A screenshot of a search interface. On the left is a search input field with the placeholder text "Search MeSH...". To its right is a dropdown menu currently showing "FullWord" with a downward arrow. Further right is a horizontal menu with three options: "Exact Match", "All Fragments", and "Any Fragment". The "All Fragments" option is highlighted with a blue background and is enclosed in a red rectangular box.

Term Search Options

- All Terms
- Main Heading (Descriptor) Terms
- Qualifier Terms
- Supplementary Concept Record Terms

Metadata Field Search

- MeSH Unique ID
- Search in all Supplementary Concept Record Fields
 - Heading Mapped To
 - Indexing Information
- Pharmacological Action
- Search Related Registry and CAS Registry/EC Number/UNII Code/NCBI Taxonomy ID Number (RN)
 - Related Registry Search
 - CAS Registry/EC Number/UNII Code/NCBI Taxonomy ID Number (RN)

Search in all Free Text Fields

- Search in all Free Text Fields
 - Annotation
 - ScopeNote
 - SCR Note

DEMO: MeSH Browser Search Options

<https://meshb.nlm.nih.gov/>

MeSH Browser Search Options: Your Turn!

Select: “SubString,” “All Fragments,” “Main Heading (Descriptor) Terms”

Search: psychol feedback

Q2: What is included in your results? (Use chat.)

A2: Word variations with these strings (Biofeedback, Psychology and Feedback, Psychological).



Recommended Search Settings for Catalogers

Search MeSH...

SubString ▾ Exact Match **All Fragments** Any Fragment

All Terms

Main Heading (Descriptor) Terms

Qualifier Terms

Supplementary Concept Record Terms

Sort by: Name ▾

Results per Page: 1000 ▾

Viewing Descriptor Records

Adolescent Health MeSH Descriptor Data 2024

Details

Qualifiers

MeSH Tree Structures

Concepts

MeSH Heading	Adolescent Health
Tree Number(s)	N01.400.075
Unique ID	D000067697
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D000067697
Scope Note	The concept covering the physical and mental conditions of ADOLESCENTS .

Details Tab

Adolescent Health MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Adolescent Health
Tree Number(s)	N01.400.075
Unique ID	D000067697
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D000067697
Scope Note	The concept covering the physical and mental conditions of ADOLESCENTS .
Entry Term(s)	Adolescent Well Being Adolescent Well-Being Adolescent Wellbeing Teen Health
NLM Classification #	WS 460
See Also	Adolescent Health Services Adolescent Medicine
Public MeSH Note	2016
History Note	2016
Date Established	2016/01/01
Date of Entry	2015/07/06
Revision Date	2021/05/12

Qualifiers Tab

Adolescent Health MeSH Descriptor Data 2024

[Details](#) **[Qualifiers](#)** [MeSH Tree Structures](#) [Concepts](#)

Allowable Qualifiers

- classification (CL)
- economics (EC)
- ethics (ES)
- ethnology (EH)
- history (HI)
- legislation & jurisprudence (LJ)
- standards (ST)
- statistics & numerical data (SN)
- trends (TD)

MeSH Tree Structures Tab

Adolescent Health MeSH Descriptor Data 2024

Details Qualifiers **MeSH Tree Structures** Concepts

- Population Characteristics [N01]
 - Health [N01.400]
 - Adolescent Health [N01.400.075]**
 - Cardiorespiratory Fitness [N01.400.150]
 - Child Health [N01.400.225]
 - Family Health [N01.400.300]
 - Global Health [N01.400.337]
 - Holistic Health [N01.400.350]
 - Infant Health [N01.400.388]
 - Men's Health [N01.400.425]
 - Mental Health [N01.400.500]

Physical Fitness [N01.400.545] + ←

- Physical Fitness [N01.400.545] +
- Population Health [N01.400.548] +

Concepts Tab

Adolescent Health MeSH Descriptor Data 2024

[Details](#) [Qualifiers](#) [MeSH Tree Structures](#) **Concepts**

Adolescent Health Preferred
Adolescent Well Being Related

[Expand All](#)

MeSH Descriptor Records: Your Turn!

Use the recommended cataloger search settings:

Main Heading, SubString, All Fragments, Sort by Name, 1000 Results

Search: **fostering**

Q3: What is the preferred MeSH Descriptor?

A3: Foster Home Care

Q4: What related concepts are listed?

A4: Fostering, Kinship Care, Adult Foster Care (narrower)



Useful Annotations in the MeSH Browser

Topical Annotations

- Coordination with other headings
- Use of subheadings
- Context of term
- Similar/related terms to consider
- Similar terms that may cause confusion

Topical Annotation Example: Coordination

Unilateral Breast Neoplasms MeSH Descriptor Data 2024

Details

Qualifiers

MeSH Tree Structures

Concepts

MeSH Heading Unilateral Breast Neoplasms

Tree Number(s) C04.588.180.800

C17.800.090.500.682

Unique ID D000069584

RDF Unique Identifier <http://id.nlm.nih.gov/mesh/D000069584>

Annotation human only **coordinate IM with histological type of neoplasm (IM)**

Scope Note Tumors or cancer found specifically in one human **BREAST**, but not in both.

Topical Annotation Example: Use of Subheadings

Rhinosporidium MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Rhinosporidium
Tree Number(s)	B01.500.700
Unique ID	D012228
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D012228
Annotation	infection = RHINOSPORIDIOSIS use /parasitol not /microbiol on other terms to indicate the presence of Rhinosporidium
Scope Note	A genus in the order Dermocystidium, class MESOMYCETOZOA. It causes RHINOSPORIDIOSIS in MAMMALS and BIRDS.

Topical Annotation Example: Context

Cell Survival MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Cell Survival
Tree Number(s)	G04.346
Unique ID	D002470
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D002470
Annotation	NIM; not for micro-organisms
Scope Note	The span of viability of a cell characterized by the capacity to perform certain functions such as metabolism, growth, reproduction, some form of responsiveness, and adaptability.

Topical Annotation Example: Similar/related terms

Glycemic Load MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Glycemic Load
Tree Number(s)	G07.203.650.660.750 J01.576.423.850.730.750.750 N06.850.601.750.750
Unique ID	D000067940
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D000067940
Annotation	GLYCEMIC INDEX is also available
Scope Note	A quantitative value of a measured amount of a specific food that is equal to the GLYCEMIC INDEX of that food multiplied by the carbohydrate content of that food.

Topical Annotation Example: Do not confuse with...

Accommodation, Ocular MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Accommodation, Ocular
Tree Number(s)	G14.010
Unique ID	D000065
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D000065
Annotation	do not confuse with ADAPTATION, OCULAR , adjustment of eye to light

Topical Annotations: Your Turn!

Q5: According to the annotation, what other terms might you add when using the heading Ablation Techniques?

A5: Organ or disease with /surgery

Q6: To describe taking leave to care for parents, which is correct: Family Leave or Parental Leave?

A6: Family Leave



Cataloger-Specific Annotations

- CATALOGER: Do not use
- CATALOGER: Use NAF entry
- CATALOGER: Coordinate with specific NAF
- CATALOGER: Use for specific material only
- CATALOGER: Used by collaborating partners only
- INDEXER: Do not use

Cataloger-Specific Annotation Example: Do not use

Diet, Food, and Nutrition MeSH Descriptor Data 2024

Details

Qualifiers

MeSH Tree Structures

Concepts

MeSH Heading	Diet, Food, and Nutrition
Tree Number(s)	G07.203
Unique ID	D000066888
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D000066888
Annotation	used for searching; INDEXER: Do not use; CATALOGER: Do not use
Scope Note	Concepts involved with nutritional physiology, including categories or substances eaten for sustenance, nutritional phenomena and processes, eating patterns and habits, and measurable nutritional parameters.

Cataloger-Specific Annotation Example: Use NAF entry

Medicare Access and CHIP Reauthorization Act of 2015 MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Medicare Access and CHIP Reauthorization Act of 2015
Tree Number(s)	N03.219.521.346.506.564.663.250 N03.219.521.576.343.840.254 N03.706.615.696.500
Unique ID	D000072641
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D000072641
Annotation	CATALOGER: Use NAF entry
Scope Note	An Act that amends Title XVIII of the Social Security Act to repeal the Medicare sustainable growth rate, that strengthens Medicare access by improving physician payments, and that reauthorizes the Children's Health Insurance Program (CHIP).

Cataloger-Specific Annotation Example: Coordinate with specific NAF

Blue Cross Blue Shield Insurance Plans MeSH Descriptor Data 2024

Details

Qualifiers

MeSH Tree Structures

Concepts

MeSH Heading	Blue Cross Blue Shield Insurance Plans
Tree Number(s)	N03.219.521.710.305.090.125
Unique ID	D054598
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D054598
Annotation	specify geographic term if possible CATALOGER: Coordinate with specific NAF entry if applicable
Scope Note	Prepaid health and hospital insurance plan.

Cataloger-Specific Annotation Example: Use for historical material only

Annual Report MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Annual Report
Tree Number(s)	V02.130
Unique ID	D019487
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D019487
Annotation	This heading is used as a Publication Type. Annual reports as a subject are indexed under the main heading ANNUAL REPORTS AS TOPIC. INDEXER: Do not use; CATALOGER: Use for serial publications only
Scope Note	Annual statements concerning the administrative and operational functions of an institution or organization.

Cataloger-Specific Annotation Example: Used by collaborating partners only

Unpublished Work MeSH Descriptor Data 2024

Details

Qualifiers

MeSH Tree Structures

Concepts

MeSH Heading	Unpublished Work
Tree Number(s)	V02.950
Unique ID	D022902
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D022902
Annotation	This heading is used as a Publication Type CATALOGER: Used by collaborating partners only
Scope Note	Work that has not been formally published.

Cataloger-Specific Annotation Example: INDEXER: Do not use

Pathologic Processes MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Pathologic Processes
Tree Number(s)	C23.550
Unique ID	D010335
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D010335
Annotation	INDEXER: Do not use
Scope Note	The abnormal mechanisms and forms involved in the dysfunctions of tissues and organs.

Cataloger-Specific Annotations: Your Turn!

Q7: Which of the following headings can you use for cataloging?

a. Age Groups

b. Animation

Q8: What heading do you use for Alcoholics Anonymous?

A8: NAF entry



Searching for Cataloger Annotations

cataloger

FullWord ▾ Exact Match **All Fragments** Any Fragment

All Terms

Main Heading (Descriptor) Terms

Qualifier Terms

Supplementary Concept Record Terms

MeSH Unique ID

Search in all Supplementary Concept Record Fields

Heading Mapped To

Indexing Information

Pharmacological Action

Search Related Registry and CAS Registry/EC Number/UNII Code/NCBI Taxonomy ID Number (RN)

Related Registry Search

CAS Registry/EC Number/UNII Code/NCBI Taxonomy ID Number (RN)

Search in all Free Text Fields

Annotation

ScopeNote

SCR Note

Sort by: Name ▾

Results per Page: 1000 ▾

Locating Main Concepts

Recall the Recommended Search Settings for Catalogers

Search MeSH...

SubString ▾ Exact Match **All Fragments** Any Fragment

All Terms

Main Heading (Descriptor) Terms

Qualifier Terms

Supplementary Concept Record Terms

Sort by: Name ▾

Results per Page: 1000 ▾

DEMO: Locating Main Concepts

<https://meshb.nlm.nih.gov/>

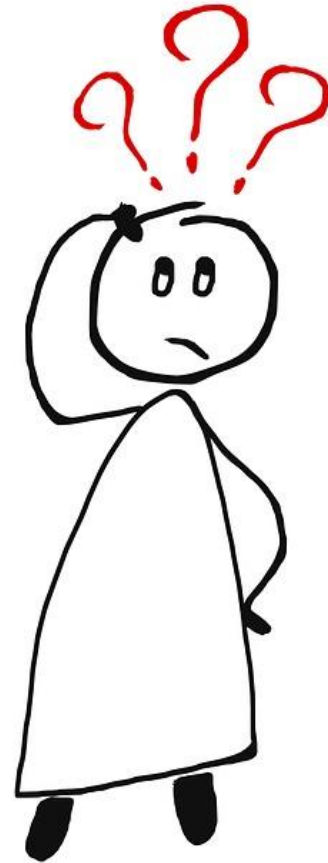
Locating Main Concepts: Your Turn!

Q9: What heading would you use for a work about measuring Cardiac Impedance?

A9: Cardiography, Impedance



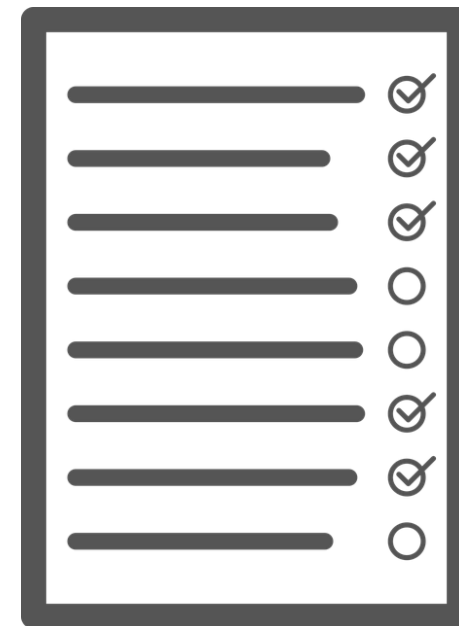
Questions?



Principles of Cataloging

Subject Analysis Principles

- Specificity
- “Rule of three”
- Specialty headings
- Special considerations for Supplementary Concepts
- Format of Subject Headings in Bibliographic Records



Order of Preference for Specificity

Specific aspects of a topic are conveyed by (in order of preference when available)

1. Pre-coordinated descriptors
2. Descriptor/qualifier (Main heading/subheading) combinations
3. Multiple descriptors

Pre-Coordinated Descriptors vs. Qualifiers

Biliary Tract MeSH Descriptor Data 2024

Details | **Qualifiers** | MeSH Tree Structures | Concepts

Entry Combination surgery:Biliary Tract Surgical Procedures ←

Allowable Qualifiers

- abnormalities (AB)
- anatomy & histology (AH)
- blood supply (BS)
- chemistry (CH)
- cytology (CY)
- diagnostic imaging (DG)
- drug effects (DE)
- embryology (EM)
- enzymology (EN)
- growth & development (GD)
- immunology (IM)
- injuries (IN)
- innervation (IR)
- metabolism (ME)
- microbiology (MI)
- parasitology (PS)
- pathology (PA)
- physiology (PH)
- physiopathology (PP)
- radiation effects (RE)
- ultrastructure (UL)
- virology (VI)

Entry Combination surgery:Biliary Tract Surgical Procedures

- embryology (EM)
- enzymology (EN)
- growth & development (GD)
- immunology (IM)
- injuries (IN)
- innervation (IR)
- metabolism (ME)
- microbiology (MI)
- parasitology (PS)
- pathology (PA)
- physiology (PH)
- physiopathology (PP)
- radiation effects (RE)
- ultrastructure (UL)
- virology (VI)

Liver MeSH Descriptor Data 2024

Details | **Qualifiers** | MeSH Tree Structures | Concepts

Entry Combination transplantation:Liver Transplantation

Allowable Qualifiers

- abnormalities (AB)
- anatomy & histology (AH)
- blood supply (BS)
- chemistry (CH)
- cytology (CY)
- diagnostic imaging (DG)
- drug effects (DE)
- embryology (EM)
- enzymology (EN)
- growth & development (GD)
- immunology (IM)
- injuries (IN)
- innervation (IR)
- metabolism (ME)
- microbiology (MI)
- parasitology (PS)
- pathology (PA)
- physiology (PH)
- physiopathology (PP)
- radiation effects (RE)
- surgery (SU) ←
- ultrastructure (UL)
- virology (VI)

surgery (SU)

Pre-coordinated Descriptors vs. Multiple Descriptors

- Research in occupational therapy:
 - *Occupational Therapy*
 - *Research*
- Research in nursing:
 - *Nursing Research*

Exception to Specificity: “Rule of Three”

Urination Disorders [C12.050.351.968.934] −	
Anuria [C12.050.351.968.934.070]	←
Enuresis [C12.050.351.968.934.252] +	←
Glycosuria [C12.050.351.968.934.363] +	←
Hematuria [C12.050.351.968.934.442]	←
Oliguria [C12.050.351.968.934.600]	
Polyuria [C12.050.351.968.934.616]	
Proteinuria [C12.050.351.968.934.734] +	
Urinary Incontinence [C12.050.351.968.934.814] +	
Urinary Retention [C12.050.351.968.934.880]	

Rule of Three: Your Turn!

Q10: What descriptor(s) would you use to describe a work about Anger Management Therapy, Aversive Therapy, Relaxation Therapy, and Sleep Phase Chronotherapy?

- a) Psychotherapy
- b) Behavior Therapy**
- c) Behavioral Disciplines and Activities



Specialty Headings

Bariatric Medicine MeSH Descriptor Data 2024

Details Qualifiers MeSH Tree Structures Concepts

MeSH Heading	Bariatric Medicine
Tree Number(s)	H02.403.074
Unique ID	D052938
RDF Unique Identifier	http://id.nlm.nih.gov/mesh/D052938
Annotation	specialty only; BARIATRICS is available for bariatric procedures
Scope Note	The discipline concerned with WEIGHT REDUCTION in patients with OBESITY .
Previous Indexing	Bariatrics (2005-2006)
See Also	Bariatric Surgery Bariatrics
Public MeSH Note	2007
History Note	2007
Date Established	2007/01/01
Date of Entry	2006/07/05
Revision Date	2013/07/09

MeSH Trees for Specialties

Disciplines and Occupations [H] -

Natural Science Disciplines [H01] +

Health Occupations [H02] +

Health Occupations [H02] -

Acupuncture [H02.004]

Allied Health Occupations [H02.010] +

Biomedical Engineering [H02.070]

Chiropractic [H02.110]

Dentistry [H02.163] +

Environmental Health [H02.229] +

Evidence-Based Practice [H02.249] +

Health Services Administration [H02.269]

Hospital Administration [H02.309]

Medical Illustration [H02.385]

Medicine [H02.403] +

Mortuary Practice [H02.438]

Nursing [H02.478] +

Nursing, Practical [H02.495]

Nutritional Sciences [H02.533] +

Specialty vs. Diseases

Specialty	Corresponding Disease Term
Dermatology	Skin Diseases
Rheumatology	Rheumatic Diseases
Hematology	Hematologic Diseases

Specialty Headings: Your Turn!

Q11: What descriptor(s) would you use to describe a work titled *The Status of Diagnosis in Endocrinology*?

A11: Endocrine System Diseases / diagnosis



Specialty vs. Phenomena or Processes

Specialty	Corresponding Phenomena Term
Biochemistry	Biochemical Phenomena
Genetics	Genetic Phenomena
Physiology	Physiological Phenomena
Chemistry	Chemical Phenomena

Subheadings Indicating Specialty

Future of biochemistry

BIOCHEMISTRY / *trends
FORECASTING

Algorithms for characterization of stochastic biochemical rare events

*BIOCHEMICAL PHENOMENA
*ALGORITHMS
STOCHASTIC PROCESSES

Exceptions to Specialty Rule

- Pediatrics
- Geriatrics



Supplementary Concept Records (SCRs) Mapping

oxiconazole

oxiconazole MeSH Supplementary Concept Data 2024

Details Concepts

MeSH Supplementary oxiconazole
Unique ID C022155
RDF Unique Identifier <http://id.nlm.nih.gov/mesh/C022155>
Entry Term(s) (Z)-1-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)-O-(2,4-dichlorobenzyl) ethanone oxime nitrate
2',4'-dichloro-2-imidazol-1-ylacetophenone (Z)-(O-(2,4-dichlorobenzyl)oxime), mononitrate
Fonx
Gyno-Myfungar
Myfungar
Oceral
Oxistat
Oxizole
RO-13-8996
Salongo

Heading Mapped to *Imidazoles

64211-46-7
RQ8UL4C17S
CAS Type 1 Name Ethanone, 1-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)-, O-((2,4-dichlorophenyl)methyl)oxime, (Z)-, mononitrate
Heading Mapped to *Imidazoles
Frequency 64
Note RN given refers to parent cpd(Z)-isomer; structure given in first source
Source Arzneimittel Forsch 29(10):1510;1979
Date of Entry 1980/01/01
Revision Date 2017/07/26

Supplementary Concepts: Your Turn!

Q12: What descriptor(s) would you use to describe a work about watermelon stomach disease?

A12: Gastric Antral Vascular Ectasia



Format of Subject Headings in Bibliographic Records

MARC Coding of Subject Access Entries

From the MeSH vocabulary

650 X2 \$a Main subject \$x topical subheading

651 2 \$a Geographic \$x topical subheading

655 2 \$a Publication type/Form

Example 1: MARC Coding

A work on acupuncture for chronic low back pain

650 12 \$a Low Back Pain \$x therapy

650 22 \$a Acupuncture Therapy

650 22 \$a Chronic Disease \$x therapy

Example 2: MARC Coding

A directory of services for the aging in New York State

650 12 \$a Health Services for the Aged

651 2 \$a New York

655 2 \$a Directory

MARC Coding of Subject Access Entries (2)

From the NAF

- 600 X2 \$a Personal names
- 610 X2 \$a Corporate names
- 611 X2 \$a Conference names
- 630 X2 \$a Uniform Titles



Submitting MeSH Suggestions

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I. Home

User Suggestions for Medical Subject Headings

Your Feedback is Welcome!

The NLM Customer Support Center provides a variety of help topics on NLM products. You can also select the [Write to the help desk](#) button to submit a request for a change or addition to MeSH vocabulary. Please review the guidelines below to ensure that your request is processed correctly.

MeSH vocabulary suggestions are reviewed for literary warrant and other criteria of usefulness, for reproducibility in use, and for understandability. Our mission is to produce a clear and concise vocabulary that is useful for indexing and retrieval of biomedical literature. Each entry term expression in MeSH is unique and carefully chosen to avoid expressions that are multimeaning. Although MeSH works closely with a variety of NLM departments that provide indexing, citation data, and publications we are not directly involved in these processes and cannot provide answers for questions related to these areas.

To help us expedite your request please follow the guidelines below:

I. Please click: [Write to the help desk](#) to open a new window or tab with an online request form.

II. Locate the **Subject** box and enter the one of the following as the subject of your request:

1. To suggest a new MeSH term or descriptor (heading): "**New MeSH term**"
2. For changes to MeSH vocabulary: "**MeSH term change**"
3. For corrections to a MeSH concept or meaning: "**MeSH correction**"
4. For corrections or changes to the MeSH tree hierarchy: "**MeSH tree change**"
5. **None of the above? Please feel free to provide your own Subject.**

III. Describe the change or addition to MeSH and any relevant additional information (e.g., reason for your suggested change; citations to support) in the **Description** box.

IV. Note that providing your Email will allow us to let you know what we did.

Write to the Help Desk

Subject *

First Name *

Last Name *

Email Address *

Description: (Please include the NLM Product or Service you are writing about.) *

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When to Request a New MeSH Term

Submit a request for a new MeSH to express:



- A frequently recurring concept
- A more general or specific concept than is covered by the available MeSH vocabulary

When to Request a New MeSH Term (continued)

Submit a request for a new MeSH to express:



- A concept which currently requires two or more headings
- A concept which has been or is likely to be handled inconsistently by different catalogers

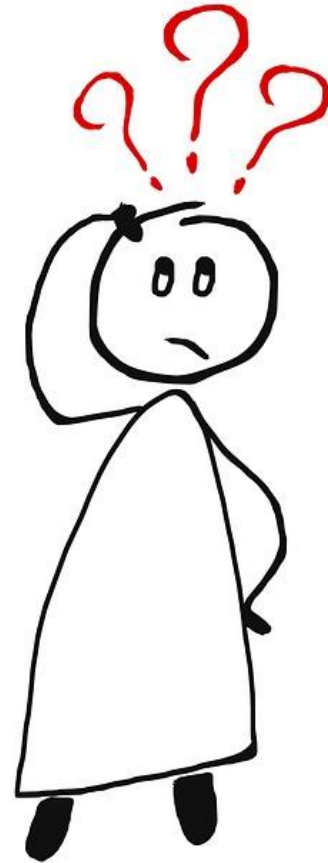
When to Submit Changes to MeSH

Changes may be requested for any element of the MeSH record. For example:



- Main descriptor to represent more current or common usage
- Addition of cross references or Entry Terms (ET)
- Add or delete qualifiers as needed

Questions? (2)



More About MeSH

- See [MeSH Home](#)
- For news, see the [NLM Technical Bulletin](#)



More about Cataloging

See the Metadata Management Program [homepage](#).

How to Claim Your MLA CE Credit

Medical Library Association Continuing Education credit

Do you want to receive Medical Library Association Continuing Education credit for this class?

Yes
 No

MLACE reset

Thank you for completing this evaluation survey. Your feedback will support efforts to improve future Network of the National Library of Medicine (NNLM) training sessions.

If your training session ("WorksATM") offered Continuing Education credit from the Medical Library Association and you would like to claim it, please follow these instructions. [See Step 4 for enrollment instructions.](#)

1. Go to www.medlib-ed.org
2. Login (if you do not have a current MLANET login, you will need to create one: [Step 2, Step 3 instructions](#))
3. Click My Learning on the blue bar near the top of the page
4. Enter the enrollment code click Redeem, then Claim
5. If you have questions or run into problems with MEDLIB-ED, please email MEDLIB-ED@mail.mlahq.org

The code for this class will appear here.