Building a Search Strategy using a MeSH Subheading

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SubHeadings in MeSH

• Help to describe an aspect of a MeSH term more completely in order to focus Your search more narrowly
• Are used typically when the topic of Your search is extremely large, and You would expect to find an enormous number of references, eg. AIDS, measles, tuberculosis, malaria etc.
  -Note: You may not always need to use a subheading
• Are found by clicking on the MeSH term hyperlink itself in the MeSH database
• Only subheadings that are logical will be found for each term, so not every term has the same subheading listed
Your Search

• You want to find statistical information about the occurrence of measles in Aids-infected children

• Strategy:
  - Measles
  Subheading: Statistical And Numerical data
  - AIDS
  - Filter: Age (appropriate to your patient)
Search for correct MeSH term
Click on the term hyperlink to locate the subheadings

Measles
1. A highly contagious infectious disease caused by MORBILLIVIRUS, common among children but also seen in the nonimmune of any age, in which the virus enters the respiratory tract via droplet nuclei and multiplies in the epithelial cells, spreading throughout the MONONUCLEAR PHAGOCYTE SYSTEM.

Measles-Mumps-Rubella Vaccine
2. A combined vaccine used to prevent MEASLES, MUMPS, and RUBELLA.
Year introduced: 2001

Measles virus
3. The type species of MORBILLIVIRUS and the cause of the highly infectious human disease MEASLES, which affects mostly children.

Measles Vaccine
4. A live attenuated virus vaccine of chick embryo origin, used for routine immunization of children and for immunization of adolescents and adults who have not had measles or been immunized with live measles vaccine and have no serum antibodies against measles. Children are usually immunized with measles-mumps-rubella combination vaccine. (From Dorland, 28th ed)
Year introduced: 1964

hemagglutinin protein C, measles virus [Supplementary Concept]
5. 79,000 MW measles virion membrane glycoprotein isolated from purified measles virus; amino acid sequence given in second source
Date introduced: December 29, 1981

Rubella
1. Click on the box of the subheading You want to use; in this case statistics and numerical data. A tick will appear in the box next to the term.

2. Add to search builder
The search strategy is pasted correctly into the search builder for You.
Now search for the second term in Your strategy
1. No subheading required for this term. Click the box next to the MeSH term.

2. Then click Add to search builder to all 2nd term

3. Leave Boolean operator on default AND
Your search strategy is now complete. Click Search PubMed.
You have found 14 articles in PubMed with your specific search strategy. You can now apply relevant filters for the age of your patient; English [language]; Humans [for clinical medicine]; etc.

Filters are found on the left of the screen. Show the filter you want; then activate by clicking on the filter.

Once filters have been applied, click on the article you wish to read by clicking on the Article Title Hyperlink.