

<b>Subject Coverage</b>	All areas in the broad field of biomedicine					
<b>File Type</b>	Bibliography					
<b>Features</b>	Thesauri:	Chemical Name (/CN)				
		Controlled Term (/CT)				
		MeSH Tree Number (/MN)				
		The thesauri do not apply to terms in the OLDMEDLINE file segment.				
	<a href="#">Alerts (SDIs)</a>	Every update (5 times/week), weekly, monthly (default is weekly)				
	<a href="#">CAS Registry Numbers®</a>	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	STN AnaVist	<input type="checkbox"/>
	<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	<a href="#">SLART</a>	<input checked="" type="checkbox"/>	<a href="#">STN Easy</a>	<input checked="" type="checkbox"/>
	<a href="#">Learning Database</a>	<input checked="" type="checkbox"/>	Structures	<input type="checkbox"/>	STN Viewer	<input type="checkbox"/>
<b>Record Content</b>	<ul style="list-style-type: none"> <li>• Over 99% of MEDLINE's citations are references to journal articles</li> <li>• Approximately 50% of the citations contain abstracts</li> <li>• Records added before 1975 do not have abstracts</li> <li>• MEDLINE reference data is present in the file</li> <li>• CAS Registry Numbers are present in the file</li> <li>• About 75% of MEDLINE's citations represent publication in the English language</li> </ul>					
<b>File Size</b>	More than 21.3 million records (03/12)					
<b>Coverage</b>	1946-present					
<b>Updates</b>	Five times each week with an annual reload					
<b>Language</b>	English					
<b>Database Producer</b>	U.S. National Library of Medicine (NLM) 8600 Rockville Pike Bethesda, MD 20894 USA Phone: 301-594-5983 Phone: 888-346-3656					
<b>Sources</b>	<ul style="list-style-type: none"> <li>• About 5,300 journals</li> <li>• Citations from Index Medicus</li> <li>• Index to Dental Literature</li> <li>• HealthSTAR database</li> <li>• International Nursing Index</li> <li>• OLDMEDLINE, data from NLM's Cumulated Index Medicus (CIM) (1960 through 1965) and from Current List to Medical Literature (1949 through 1959)</li> </ul>					

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  - Medical Subject Headings-TREE STRUCTURES (available from the producer)
  - PERMUTED Medical Subject Headings (available from the producer)
  - Medical Subject Headings
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  - Online Helps (HELP DIRECTORY lists all help messages available)
  - STNGUIDE
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## Search and Display Field Codes

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The fields that allow left truncation are marked with an asterisk (\*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index * (contains single words from the title (TI), chemical name (CN), gene name (GEN), controlled term (excluding MeSH numbers) (CT), supplementary term (ST), named person (NA), other source (OS), and abstract (AB) fields, as well as CAS Registry Numbers and GenBank Numbers)	None (or /BI)	S INTERFERON GAMMA S 50-02-2 S GENBANK D64071 S HEART (S) TEST# S ?FERON? S EC3.1.3.13 S GAMMA (S) INTERFERON	AB, CN, CT, GEN, NA, OS, RN, ST, TI
Abstract *	/AB	S ?ASSAY?/AB S RADIOACTIVE TRACER/AB S (LEUKEMIA (S) GLEEVEC)/AB	AB
Accession Number	/AN	S 1965153674/AN S 1998010009/AN	AN
Accession Number of the Cited Reference in MEDLINE	/RAN.MED	S 1967176588/RAN.MED	RE
Author	/AU	S ADAMSON G?/AU	AU
Author Group	/AUTH	S BROOKS A?/AUTH	AUTH
Chemical Name (1)	/CN	S NIFEDIPINE/CN S EC 1.11.1.6/CN	CN, RN
Chemical Name Segment * (1)	/CNS	S ?FLUOR?/CNS	CN, RN
Cited Reference First Author Name	/RAU	S DEANDRADE A L/RAU	RE
Cited Reference First Author Name, Extended (13)	/RAU.EX	S DEANDRADE A L?/RAU.EX	RE
Cited Reference Count (6)	/RE.CNT	S 15-20/RE.CNT	RE.CNT
Cited Reference Issue Number	/RIS	S 12/RIS	RE
Cited Reference Page Number	/RPG	S 32/RPG	RE
Cited Reference Publication Year	/RPY	S 2007/RPY	RE
Cited Reference Source Publication	/RSO	S JAMA/RSO	RE
Cited Reference Volume Number	/RVL	S 22/RVL	RE
Cited Reference Source Publication Name	/RWK	S MED ARTS SCI/RWK	RE
Cited References	/RE	S DELPHIA J M?/RE	RE
Cited References, Extended (13)	/RE.EX	S WALKER B 1992?/RE.EX	RE
Citing Reference Count (6)	/OSC.G	S 13/OSC.G	OSC.G
Clinical Trial Numbers	/NCT	S ISRCTN03464021/NCT S NCT00005487/NCT	NCT
Collaborators	/AUCL	S BEGAY JACK/AUCL	AUCL
Comment	/CM	S TOXICOL?/CM	CM
Controlled Term (2) (includes main terms)	/CT	S OVARIAN FOLLICLE/CT S (HYPERTENSION(L)BL)/CT S (C14.907.489. (L) TH)/CT S *BRAIN/CT	CT
Corporate Source (3,4) (includes Collective Name)	/CS	S (KYUSHU(W)CANCER(W)CENTER)/CS S ROSIGLITAZONE STUDY GROUP/CS	CS
Country of Publication (ISO code and text)	/CY	S L1 AND UNITED STATES/CY S JP/CY	CY
Digital Object Identifier (12)	/FTDOI	S 10.1101?/FTDOI	DOI, FTDOI
Document Number (contains MEDLINE DN and the PubMed ID number)	/DN	S 9875853/DN S 6000001/DN S 11300629/DN	DN

## Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Document Type (code and text) <b>(5)</b>	/DT (or /TC)	S MULTICENTER STUDY/DT S BIO/TC	DT
Email Address <b>(3)</b>	/EML	S B.A.BRIDGES@SUSSEX.AC.UK/EML	CS, EML
Entry Date <b>(6)</b>	/ED	S ED>20020500	ED
Entry Month <b>(6)</b>	/EM	S 199106/EM	EM
Field Availability <b>(7)</b>	/FA	S L2 AND AB/FA	Not displayed
File Segment <b>(8)</b>	/FS	S L8 AND PRIORITY JOURNALS/FS S B/FS S DIABETES AND OLD/FS S IN-PROCESS/FS S CLINICAL TRIALS.GOV/FS	FS
Gene Name <b>(3,9)</b>	/GEN	S C-JUN/GEN	GEN
Group Authors	/AUGR	S DALLAS EVE/AUGR	AUGR
International Standard (Document) Number (contains CODEN, if available, and ISSN)	/ISN	S 8756-8160/ISN	ISN, SO
Journal Title (contains full and abbreviated journal titles)	/JT	S BIOCHEM PHARMACOL/JT S BIOCHEMICAL PHARMACOLOGY/JT	JT, SO
Journal Title Code <b>(3)</b>	/JTC	S 0101032/JTC	SO
Language (ISO code and text)	/LA	S GERMAN/LA S RU/LA	LA
MEDLINE Cited References Count <b>(6)</b>	/REM.CNT	S 5-10/REM.CNT	REM.CNT
Named Person <b>(10)</b>	/NA	S PRIMROSE J/NA	NA
Number of Contract (Grant Number) <b>(3)</b>	/NC	S DE07034/NC S NCI/NC	NC
Number of Report <b>(3)</b>	/NR	S NASA-00001303/NR S NASA/NR	NR, SO
Other Sources <b>(3,11)</b>	/OS	S CLML5936/OS S GENBANK L02896/OS	OS
Publication Date <b>(6)</b>	/PD	S 2005 OCT 4/PD	PD, SO
Publication Year <b>(6)</b>	/PY	S L1 AND 1990-1992/PY	PY, SO
Source (contains full and abbreviated journal titles, ISSN, CODEN, journal title code, number of report, space flight mission, investigator, and affiliation data, call number, publication year, volume, issue, and pagination)	/SO	S 0006-2952/SO S BIOCHEM PHARMACOL/SO S 7802429/SO S NASA00001303/SO S FLIGHT EXPERIMENT/SO	SO
Title *	/TI	S TOOTH MOVEMENT/TI	TI
Update Date <b>(6)</b>	/UP	S UP>20030200 AND L4	ED

- (1) CAS Registry Numbers and Enzyme Codes can also be searched in this field. A /CN Thesaurus is available online. Starting on November 19, 2000, a new relationship, +XUSE, has been defined for EXPAND and SEARCH in the /CN field. XUSE includes both USE and UF terms. When you EXPAND in the /CN field, a message is displayed if additional terms are available by using the +XUSE relationship. If there are additional USE or UF terms available for a search in the /CN field, they are automatically included in the search.
- (2) MeSH Tree Numbers are also searched in this field. (L) proximity is available with Qualifiers. Postings for MeSH Headings do not include narrower terms, while MeSH Tree Numbers do include all narrower levels. /CT and /MN Thesauri are available online. Starting on November 19, 2000, a new relationship, +XUSE, has been defined for EXPAND and SEARCH in the /CT field. XUSE includes both USE and UF terms. When you EXPAND in the /CT field, a message is displayed if additional terms are available by using the +XUSE relationship. If there are additional USE or UF terms available for a search in the /CT field, they are automatically included in the search.
- (3) This field is not available for records in the OLDMEDLINE file segment.
- (4) Search with implied (S) proximity is available in this field.
- (5) Both STN standard document types and original NLM publication types (displayed in parenthesis) are searchable separately as bound phrases.
- (6) Numeric search field that may be searched using numeric operators or ranges.
- (7) The presence of AB, CN, CS, EML, NA, OS, RN, ST fields can be searched in the /FA field; as well as the sections of the structured abstract: Background, Conclusions, Methods, Objective, and Results.
- (8) Enter HELP FS at an arrow prompt for definitions of the FS codes.
- (9) Data indexed in this field only until 1996.

- (10) Subject of biographical or related article.  
 (11) Enter HELP OS for information on the content of this field.  
 (12) The EXPAND command is not available for use in this field.  
 (13) When author's name entered with multiple initials, automatically also searches the author's name with a single initial.

## Limiting Search Codes

Only an answer set created in MEDLINE may be limited. L-number answer sets created by as search in the /ED or /UP field may also be limited.

Search Field Name	Search Code	Search Examples
Animal Subject (1) English-Language Records Female Subject (1) Human Subject (1) Major Descriptor (1) Male Subject (1)	/ANIMAL /ENG /FEMALE /HUMAN /MAJ /MALE	S L4/ANIMAL S L1/MAJ,ENG (2,3) S L3/FEMALE S L1/HUMAN S L1/MAJ S L2/MALE

- (1) Not available in OLDMEDLINE file segment.  
 (2) Field codes may be abbreviated to the first three letters.  
 (3) Answer sets may be limited to more than one area.

## Chemical Name (/CN) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the Chemical Name (/CN) thesaurus.

The /CN thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (SELF, CN, RN, EC, UF, USE, RR, HM, PA, INDX, NOTE, PNTE, RE)	E CHAETOGLOBOSINS+ALL/CN E 86414-29-1+ALL/CN
AUTO (1)	Automatic Relationship Code (SELF, USE)	E BROMOACETIC ACID+AUTO/CN
HM	Heading Mapped to (SELF, CN, RN, EC, RR, HM)	E NEOSPORIN+HM/CN
NOTE	Notes associated with the term (SELF, CN, RN, EC, RR, INDX, PA, NOTE, PNTE, RE)	E SERICYSTATIN+NOTE/CN E EC 2.4.1.119+NOTE/CN
PFT	Preferred and Forbidden Terms (SELF, CN, RN, EC, RR, UF, USE)	E COMBRETASTATIN+PFT/CN
RN	CAS Registry Number associated with the name or name associated with a CAS Registry Number (SELF, CN, RN, EC)	S ARGINYLPROLINE+RN/CN E 2418-69-1+RN/CN
RR	Associated CAS Registry Numbers (SELF, CN, RN, EC, RR)	E FLUVALINATE+RR/CN
XUSE	USE and UF terms from the current MeSH	E 6-CHRYSENYLAMINE+XUSE/CN S 6-CHRYSENAMINE+XUSE/CN

- (1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

**Field Descriptors for the /CN Thesaurus**

Code	Description
-->	Self
CN	Chemical Name and Enzyme Name
EC	Enzyme Commission Numbers
HM	Heading Mapped To
INDX	Indexer Note
NOTE	Scope Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
RE	Reference
RN	CAS Registry Number
RR	Related Registry Numbers
UF	Used For
USE	Use

## Controlled Term (/CT) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the Controlled Term (/CT) thesaurus.

The /CT thesaurus contains the current Controlled Terms. MeSH Tree Numbers are searchable terms in the /CT thesaurus.

The /CT and /MN Thesauri have the same EXPAND abilities except when expanding MeSH Tree Numbers. The /CT Thesaurus will expand the same Tree Number hierarchy, while the /MN Thesaurus will expand the MeSH terms corresponding to the various MeSH Tree Numbers.

The /CT thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (BT, SELF, MN, DC, NOTE, INDX, ENTC, AQ, PNTE, HNTE, MHTH, BXTH, PA, UF, USE, QUSE, NT, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF, RT)	E PEPTIC ULCER+ALL/CT E C6.405.608+ALL/CT
AUTO (1)	Automatic Relationship Code (Preferred Terms and Qualifiers) (SELF, USE, QUSE)	E NASAL SINUSES+AUTO/CT E ADV EFF+AUTO/CT
BT	Broader Terms (BT, SELF, MN)	E PREGNANCY TESTS+BT/CT
HIE	Hierarchy (Broader and Narrower Terms) (BT, SELF, MN, NT)	E RECEPTORS, DRUG+HIE/CT
KT	Keyword Terms (SELF, KT)	S SHOCK+KT/CT
MN	Tree Number and descriptor class (SELF, MN, DC)	E PROSTHESIS FAILURE+MN/CT S NUTRITIONAL STATUS+MN/CT
NOTE	Notes associated with the term (SELF, MN, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA)	E PEPTIC ULCER+NOTE/CT
NT	Narrower Terms (SELF, MN, NT)	S NEURONS+NT/CT
PFT	Preferred and Forbidden Terms (SELF, MN, ENTC, AQ, UF, USE)	E FIBRIN TISSUE ADHESIVE+PFT/CT
QLF	Qualifier and associated terms (SELF, AQ, QUSE, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONOTE, QUF)	S ADVERSE EFFECTS+QLF/CT
QPFT	Qualifier Preferred (SELF, QUSE, QLF, QUF)	E PSYCHOLOGY+QPFT/CT
RT	Related Terms (SELF, MN, RT)	E NEURONS+RT/CT
STD	Standard (Broader, Narrower, and Related Terms) (BT, SELF, MN, NT, RT)	S SPINAL CORD+STD/CT E PNEUMONIA+STD/CT
UF	Used For (Forbidden Terms) (SELF, MN, UF)	E F1.145.775.+UF/CT E SEX BEHAVIOR+UF/CT
USE	Use (Preferred Terms) (SELF, MN, USE)	E GRAAFIAN FOLLICLE+USE/CT
XUSE	USE and UF terms from the current MeSH	E RADICULITIS+XUSE/CT

(1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

## Field Descriptors for the /CT Thesaurus

Code	Description
-->	Self
AQ	Allowable Qualifier
BT	Broader Term
BXTH	Backwards Cross Reference Thesaurus
DC	Descriptor Class
ENTC	Entry Combination
HNTE	History Note
INDX	Indexer Note
KT	Keyword Terms
MH	MeSH Heading
MHTH	MH Thesaurus
MN	MeSH Tree Number
NOTE	Scope Note, Consider Also Terms
NT	Narrower Term
ONTE	Online Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
QA	Qualifier Abbreviation
QCAT	Allowable Categories
QHNT	Qualifier History Note
QINDX	Qualifier Indexer Note
QLF	MeSH Qualifier (subheading)
QNOTE	Qualifier Scope Note
QONTE	Qualifier Online Note
QUF	Qualifier Use For
QUSE	Qualifier Use
RT	Related Term
UF	Used For
USE	Use

## MeSH Tree Number (/MN) Thesaurus

In the MeSH Tree Number (/MN) Thesaurus, all Relationship Codes can be used only with the EXPAND command.

The /MN Thesaurus does not have any postings. When searching, it is necessary to edit the field code to /CT.

The /CT and /MN Thesauri have the same EXPAND abilities except when expanding MeSH Tree Numbers. The /CT Thesaurus will expand the same Tree Number hierarchy, while the /MN Thesaurus will expand the MeSH terms corresponding to the various MeSH Tree Numbers.

The /MN thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (BT, SELF, MN, MH, EC, DC, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA, UF, USE, QUSE, NT, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF, RT)	E GRANULOMA+ALL/MN E C23.550.382+ALL/MN
AUTO (1)	Automatic Relationship Code (Preferred Terms and Qualifiers) (SELF, USE, QUSE)	E PANCREATIC CHOLERA+AUTO/MN
BT	Broader Terms (BT, SELF, MN, MH)	E ILLUSIONS+BT/MN
HIE	Hierarchy (Broader and Narrower Terms) (BT, SELF, MN, MH, NT)	E CHLAMYDIA+HIE/MN E B3.440.190.190.190.+HIE/MN
KT	Keyword Terms (SELF, KT)	E DIET+KT/MN
MN	Tree Number and descriptor class (SELF, MN, MH, DC)	E ABSCESS+MN/MN
NOTE	Notes associated with the term (SELF, MN, MH, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA)	E SPINAL NERVES+NOTE/MN E A8.800.350.380+NOTE/MN
NT	Narrower Terms (SELF, MN, MH, NT)	E TOOTH+NT/MN
PFT	Preferred and Forbidden Terms (SELF, MN, MH, ENTC, AQ, UF, USE)	E HUMAN ADENOVIRUSES+PFT/MN E B4.909.777.731.589.520+PFT/MN
QLF	Qualifier and associated terms (SELF, AQ, QUSE, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF)	E AE+QLF/MN
QPFT	Qualifier Preferred (SELF, QUSE, QLF, QUF)	E METABOLISM+QPFT/MN
RT	Related Terms (SELF, MN, MH, RT)	E TOMOGRAPHY, EMISSION-COMPUTED+RT/MN
STD	Standard (Broader, Narrower, and Related Terms) (BT, SELF, MN, MH, NT, RT)	E ALCOHOLISM+STD/MN E C21.739.100.250.+STD/MN
UF	Used For (Forbidden Terms) (SELF, MN, MH, UF)	E IODIDE PEROXIDASE+UF/MN
USE	Use (Preferred Terms) (SELF, MN, MH, USE)	E OPHTHALMIA+USE/MN
XUSE	USE and UF terms from the current MeSH	E ARSENIC POISONING+XUSE/MN

(1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

## Field Descriptors for the /MN Thesaurus

Code	Description
-->	Self
AQ	Allowable Qualifier
BT	Broader Term
BXTH	Backwards Cross Reference Thesaurus
DC	Descriptor Class
ENTC	Entry Combination
HNTE	History Note
INDX	Indexer Note
KT	Keyword Terms
MH	MeSH Heading
MHTH	MH Thesaurus
MN	MeSH Tree Number
NOTE	Scope Note, Consider Also Terms
NT	Narrower Term
ONTE	Online Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
QA	Qualifier Abbreviation
QCAT	Allowable Categories
QHNT	Qualifier History Note
QINDX	Qualifier Indexer Note
QLF	MeSH Qualifier (subheading)
QNOTE	Qualifier Scope Note
QONTE	Qualifier Online Note
QUF	Qualifier Use For
QUSE	Qualifier Use
RT	Related Term
UF	Used For
USE	Use

## DISPLAY and PRINT Formats

Any combination of formats can be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed in the order requested.

Hit-term highlighting is available in all fields except CM, ED, and PY. Highlighting must be ON to use the HIT, HITIND, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D 1-5 AN, AB
AN (1)	Accession Number	D 1-5 AN
AU	Author	D AU TI 2
AUCL	Collaborator	D AUCL
AUGR	Group Authors	D AUGR
CM (1)	Comments	D AN CM TI 1-5
CN (1)	Chemical Name (enzyme code and name)	D CN, RN 8-10
CS (1)	Corporate Source	D CS, AU 10-20
CT (1)	Controlled Term (MeSH terms, qualifiers)	D AN CT 1-2
CY (1)	Country of Publication (including MeSH Z tree number)	D CY TI
DN (1)	Document Number and PubMed ID	D DN
DOI (FTDOI)	Digital Object Identifier	D DOI, D FTDOI
DT (1)	Document Type	D DT TI
ED (1)	Entry Dates	D ED
EM (1)	Entry Month	D TI SO EM
EML (1,2)	E-mail Address	D EML
FS (1)	File Segment	D FS TI 1-2
GEN (1)	Gene Name	D GEN TI 1-2
ISN (1,2)	International Standard (Document) Number	D 2 6 ISN
JT (1,2)	Journal Title (includes JTA and JTF)	D 1-3 JT
JTA (1,2)	Journal Title, Abbreviated	D JTA
JTF (1,2)	Journal Title, Full	D JTF
LA (1)	Language	D LA TI
NA (1)	Named Person (subject of biography or related article)	D AN TI NA
NC (1)	Contract/Grant Number	D NC 1-10
NCT	Clinical Trial Numbers	D NCT
NR (1,2)	Number of Report	D NR
OS (1)	Other Source	D TI SO OS
OSC.G	Citing Reference Count	D OSC.G
PD (1,2)	Publication Date	D PY SO
PY (1,2)	Publication Year	D PY
RE	MEDLINE Cited References	D RE
RETAB (RETABLE)	MEDLINE Cited References Table	D RETAB
RE.CNT (REC)	Cited References Count	D RE.CNT
REM.CNT	MEDLINE Cited References Count	D REM.CNT
RN (1)	CAS Registry Number (Registry Number and chemical name)	D CT RN
SO	Source	D SO TI FS
ST (1)	Supplementary Term	D ST
TC (1,2)	Treatment Code	D TC
TI (1)	Title	D TI 1-10
UP	Update Date	D UP
ABS	AB	D ABS 1-3
ALL	AN, DN, TI, CM, AU, CS, NC, SO, DOI, CY, DT, LA, FS, NCT, OS, EM, ED, AB, ST, CT, RN, CN, NA, GEN, OSC.G, RE.CNT, REM.CNT, RE	D 1-3 ALL
AUTH	AU, AUCL, AUGR	D AUTH
BIB	AN, DN, TI, CM, AU, CS, NC, SO, DOI, CY, DT, LA, FS, NCT, OS, EM, ED, OSC.G, RE.CNT, REM.CNT (BIB is the default)	D 8 BIB
CBIB	Compressed bibliographic information	D 2 CBIB
DALL	ALL, delimited for post-processing	D DALL
IABS	ABS, with a text label	D IAB
IALL	ALL, indented with text labels	D IALL
IBIB	BIB, indented with text labels	D IBIB
IND (1)	ST, CT, RN, CN, NA, GEN	D BIB, IND

## Display and Print Formats (cont'd)

Format	Content	Examples
RAN.MEDLINE (n) SCAN (3) TRIAL (FREE, SAM) (1)	Cited Reference(s) display feature (n=cited reference number(s)) TI, ST, CT, RN, CN, NA, GEN (random display without answer numbers) TI, CM, ST, CT, RN, CN, NA, GEN	D RAN.MEDLINE (n) D SCAN D TRI
HIT HITIND (1) KWIC OCC (1)	Fields containing hit terms IND Hit term with 20 words on either side (KeyWord-In-Context) Fields that contain hit terms and number of times they occur	D HIT 5-10 D HITIND D KWIC 5-10 D OCC L3 1-2

(1) No online display fee for this format.

(2) Custom display only.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

## Displaying MEDLINE documents for cited references

Enter the following in the DISPLAY command: L-number for the answer set; answer number (only one may be specified); RAN.MEDLINE(x-y) where (x-y) is the cited reference number, numbers, or range of numbers; and the display format for the document to display, e.g., BIB ABS. For example, to display MEDLINE records for the cited references 1 and 2 from answer 2 in the answer set L5, enter the following:

=> D L5 2 RAN.MEDLINE(1-2) BIB ABS

## SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Accession Number	AN	Y	N
Accession Number of the Cited Reference in MEDLINE	RAN.MED	Y	N
Author	AU	Y	Y
Author Group	AUTH	Y	Y
CAS Registry Number	RN	Y (2,3,4)	N
Chemical Name	CN	Y (4)	N
	NAME	Y (2,4)	N
Chemical Name and CAS Registry Number	CHEM	Y (2,4)	N
Citation	CIT	Y (4,5)	N
Cited Reference First Author	RAU	Y	N
Cited Reference Publication Year	RPY	Y	N
Cited Reference Publication Name	RWK	Y	N
Cited References Count	RE.CNT (REC)	Y	Y
Citing Reference Count	OSC.G	Y	Y
Clinical Trial Numbers	NCT	Y	Y
Collaborators	AUCL	Y	Y
Comment	CM	Y (10)	N
Corporate Source	CS	Y	Y
Controlled Term	CT	Y	N
Country of Publication	CY	Y	Y
Document Number	DN	Y (6)	Y
Document Type	DT	Y	Y
Email Address	EML	Y	Y
Entry Month	EM	Y	Y
File Segment	FS	Y	Y

**SELECT, ANALYZE, and SORT Fields (cont'd)**

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
GenBank Number	GENBANK (GBN)	Y (2,11)	N
Gene Name	GEN	Y	Y
Group Author	AUGR	Y	Y
Hit Cited Reference	HITRE	N	Y
International Standard (Document) Number (ISSN)	ISN	Y (7)	N
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y (8)	Y
Journal Title, Full	JTF	Y (8)	Y
Journal Title Code	JTC	Y	Y
Language	LA	Y	Y
MEDLINE Cited References	RE	Y	N
MEDLINE Cited References Count	REM.CNT	Y	Y
Named Person	NA	Y	Y
Number of Contract	NC	Y	Y
Number of Report	NR	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Other Source	OS	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y (4)	Y
Source	SO	Y (9)	N
Supplementary Term	ST	Y (2)	N
Title	TI	Y (default)	Y
Treatment Code	TC	Y	Y
Update Date	UP	Y	N

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.  
(2) Appends /BI to the terms created by SELECT.  
(3) Only extracts CAS Registry Numbers.  
(4) SELECT HIT and ANALYZE HIT are not valid with this field.  
(5) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT. This field can be used for cross-file searching in SCISEARCH® and CPlus<sup>SM</sup>.  
(6) Selects or analyzes MEDLINE's Document Number and the PubMed ID.  
(7) Selects or analyzes the ISSN and CODEN.  
(8) Appends /JT to the terms created by SELECT.  
(9) Selects or analyzes the ISSN, CODEN, and journal code with /SO appended to the terms created by SELECT.  
(10) Selects or analyzes the PMID values with /DN appended.  
(11) SELECT GENBANK selects GenBank numbers from the OS field.

**Sample Records****DISPLAY IALL**

ACCESSION NUMBER: 2010796960 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 20659284  
TITLE: Systematic review: Helicobacter pylori and the risk of upper gastrointestinal bleeding risk in patients taking aspirin.  
AUTHOR: Fletcher E H; Johnston D E; Fisher C R; Koerner R J; Newton J L; Gray C S  
CORPORATE SOURCE: Institute for Ageing and Health, Newcastle University, UK.  
e.h.fletcher@ncl.ac.uk  
SOURCE: Alimentary pharmacology & therapeutics, (2010 Oct) Vol. 32, No. 7, pp. 831-9.  
Journal code: 8707234. E-ISSN: 1365-2036. L-ISSN: 0269-2813.  
DIGITAL OBJECT IDENTIFIER: 10.1111/j.1365-2036.2010.04415.x  
PUB. COUNTRY: England; United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)  
General Review; (REVIEW)

**MEDLINE**

LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 201103  
 ENTRY DATE: Entered STN: 7 Sep 2010  
 Last Updated on STN: 15 Mar 2011  
 Entered Medline: 14 Mar 2011

**ABSTRACT:**

**BACKGROUND:** Aspirin is widely used to modify the risk of recurrent vascular events. It is, however, associated with increased upper gastrointestinal bleeding risk. The influence of *Helicobacter pylori* on this risk is uncertain.

**AIM:** To determine the influence of *H. pylori* on upper gastrointestinal bleeding risk in patients taking aspirin.

**METHODS:** MEDLINE and EMBASE databases were searched. All studies providing data regarding *H. pylori* infection in adults taking aspirin and presenting with upper gastrointestinal bleeding were included.

**RESULTS:** A total of 13 studies that included 1 case-control, 10 cohort studies and 2 randomized-controlled trials (RCTs) were analysed. The case-control study (n = 245) determined *H. pylori* to be a significant independent risk factor for upper gastrointestinal bleeding. The cohort studies were heterogeneous, varying in inclusion criteria, doses and duration of aspirin used, mode of *H. pylori* testing and causative GI pathology considered. Comprising 5465 patients, *H. pylori* infection was tested for in 163 (0.03%) aspirin users with upper gastrointestinal bleeding. The RCTs yielded no significant results.

**CONCLUSIONS:** The current data are not sufficient to allow meta-analyses. The widely held belief that *H. pylori* is a risk factor for upper gastrointestinal bleeding in regular aspirin users is not supported by the very limited evidence available.

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**CONTROLLED TERM:** \*Anti-Inflammatory Agents, Non-Steroidal: AE, adverse effects  
 \*Aspirin: AE, adverse effects  
 \*Gastrointestinal Hemorrhage: CI, chemically induced  
 \*Helicobacter Infections: CO, complications  
 Helicobacter pylori: IP, isolation & purification  
 Humans  
 Randomized Controlled Trials as Topic  
 Risk Factors  
 Upper Gastrointestinal Tract

**CAS REGISTRY NO.:** 50-78-2 (Aspirin)

**CHEMICAL NAME:** Anti-Inflammatory Agents, Non-Steroidal

**DISPLAY IALL (OLDMEDLINE File Segment)**

**ACCESSION NUMBER:** 1960033570 MEDLINE  
**DOCUMENT NUMBER:** PubMed ID: 13714019  
**TITLE:** Marie Curie and her contemporaries.  
**AUTHOR:** de HEVESEY  
**SOURCE:** Journal of nuclear medicine : official publication, Society of Nuclear Medicine, (1961 Jul) Vol. 2, pp. 169-82.  
 Journal code: 0217410. ISSN: 0161-5505.

**DOCUMENT TYPE:** Biography  
 Journal; Article; (JOURNAL ARTICLE)

**LANGUAGE:** English  
**FILE SEGMENT:** OLDMEDLINE, NONMEDLINE  
**ENTRY MONTH:** 199811  
**ED** Entered STN: 16 Jul 1999  
 Last Updated on STN: 16 Jul 1999  
 Entered Medline: 1 Nov 1998

**SUPPLEMENTARY TERM:** famous persons; radium

**CONTROLLED TERM:** \*Famous Persons  
 \*History  
 \*Radium

**NAMED PERSON:** CURIE M

**CAS REGISTRY NO.:** 7440-14-4 (RADIUM)

**OS.CITING REF COUNT:** 1 There are 1 MEDLINE records that cite this record

**DISPLAY IALL (IN-PROCESS Record)**

ACCESSION NUMBER: 2012163297 IN-PROCESS  
DOCUMENT NUMBER: PubMed ID: 22263230  
TITLE: Clinical competency in children's nursing: a legal  
commentary.  
AUTHOR: Cornock Marc  
CORPORATE SOURCE: School of Law, the Open University, Milton Keynes.  
m.a.cornock@open.ac.uk  
SOURCE: Nursing children and young people, (2011 Dec) Vol. 23, No.  
10, pp. 18-9.  
Journal code: 101554473. ISSN: 2046-2336. L-ISSN:  
2046-2336.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: NONMEDLINE; IN-PROCESS; NONINDEXED; Nursing Journals  
ENTRY DATE: Entered STN: 21 Jan 2012  
Last Updated on STN: 21 Jan 2012

**ABSTRACT:**

Competence can be defined as having the requisite knowledge, skills, judgement, and experience to undertake a role or task. This article--part ten and the last in the series--discusses competency and why it is important for children's nurses to consider their skills and knowledge before taking on a procedure or role.

**DISPLAY BIB**

AN 2012163303 IN-PROCESS  
DN PubMed ID: 22263237  
TI Severe coronary artery spasm and subsequent coronary subclavian steal syndrome.  
AU Cheong Jun Y; Showkathali Refai; Partridge William; Chauhan Anil; Sayer Jeremy  
SO Journal of cardiovascular medicine (Hagerstown, Md.), (2011 Dec) Vol. 12,  
No. 12, pp. 908-11.  
Journal code: 101259752. E-ISSN: 1558-2035. L-ISSN: 1558-2027.  
CY United States  
DT Letter  
LA English  
FS NONMEDLINE; IN-PROCESS; NONINDEXED; Priority Journals  
ED Entered STN: 21 Jan 2012  
Last Updated on STN: 21 Jan 2012

**MEDLINE****DISPLAY TRIAL**

TI Just what the doctor ordered: the role of unconventional therapy in the treatment of cancer in minors.

ST In re Hofbauer; Professional Patient Relationship

CT \*Adolescence  
 \*Amygdalin  
 \*Civil Rights  
 Decision Making  
 Government Regulation  
 Humans  
 \*Judicial Role  
 \*Jurisprudence  
 Malpractice  
 Mentally Disabled Persons  
 \*Minors  
 \*Neoplasms  
 Nutrition Physiology  
 \*Patient Care  
 \*Pharmaceutical Preparations  
 Physicians  
 Privacy  
 Social Control, Formal  
 Supreme Court Decisions  
 Terminally Ill  
 \*Third-Party Consent  
 \*Treatment Refusal

RN 29883-15-6 (Amygdalin)

CN 0 (Pharmaceutical Preparations)

**EXPAND in /CN Thesaurus**=> **E 9-XYLOSYLADENINE+ALL/CN**

E1 16 --> 9-xylosyladenine/CN

E2 0 RN 4185-03-9/CN

E3 0 RR 28361-05-9/CN  
 ((9alpha)-(L))-isomer)

E4 0 UF 9 beta-D-xylofuranosyladenine/CN

E5 0 UF 9 beta-D-xylosyladenine/CN

E6 UF 9-xylosyladenine, ((9alpha)-(L))-isomer/CN

E7 0 UF 9H-purin-6-amine, 9-xylofuranosyl-/CN

E8 0 UF xyloA/CN

E9 0 UF xylosyladenosine/CN  
 HM Adenosine/\*analogs & derivatives  
 NOTE RN given refers to cpd with unspecified isomeric designation; structure in first source  
 PNTE XYLOSE/analogs (78-80)

\*\*\*\*\* END \*\*\*\*\*

=> **E 6-CHRYSENAMINE+XUSE/CN**

E1 25 --> 6-chrysenamine/CN

E2 0 UF 6-aminochrysene/CN

E3 0 UF 6-chrysenylamine/CN

E4 0 UF 6-chrysylamine/CN

E5 0 UF CP 1001/CN

E6 0 UF chrysenex/CN

\*\*\*\*\* END \*\*\*\*\*

## EXPAND in /CT Thesaurus

=&gt; E PLATELET AGGREGATION INHIBITORS+ALL/CT

```
E1          0    BT5    D Chemicals and Drugs/CT
E2          0    BT4    Chemical Actions and Uses/CT
E3          0    BT3    Pharmacologic Actions/CT
E4          5    BT2    Therapeutic Uses/CT
E5         225    BT1    Hematologic Agents/CT
E6         21150  -->    Platelet Aggregation Inhibitors/CT
E7         21150  MN     D27.505.954.502.780./CT
          DC     an INDEX MEDICUS major descriptor
          NOTE   Drugs or agents which antagonize or impair any
                mechanism leading to blood platelet aggregation,
                whether during the phases of activation and shape
                change or following the dense-granule release
                reaction and stimulation of the
                prostaglandin-thromboxane system.
          INDX   DF: PLATELET INHIB
          AQ     AD AE AG AN BL CF CH CL CS CT DU EC HI IM IP ME
                PD PK PO RE SD ST TO TU UR
          PNTE   Blood Platelets (1966-1987)
          PNTE   Platelet Adhesiveness (1972-1987)
          PNTE   Platelet Aggregation (1976-1987)
          HNTE   88
          MHTH   NLM (1988)
E8          0    UF     Agents, Antiplatelet/CT
E9          0    UF     Aggregation Inhibitors, Platelet/CT
E10         0    UF     Antagonists, Blood Platelet/CT
E11         0    UF     Antagonists, Platelet/CT
E12         0    UF     Antiaggregants, Blood Platelet/CT
E13         0    UF     Antiaggregants, Platelet/CT
E14         0    UF     Antiplatelet Agents/CT
E15         0    UF     Antiplatelet Drugs/CT
E16         0    UF     Blood Platelet Aggregation Inhibitors/CT
E17         0    UF     Blood Platelet Antagonists/CT
E18         0    UF     Blood Platelet Antiaggregants/CT
E19         0    UF     Drugs, Antiplatelet/CT
E20         0    UF     Inhibitors, Platelet/CT
E21         0    UF     Inhibitors, Platelet Aggregation/CT
E22         0    UF     PLATELET AGGREGATION INHIB/CT
E23         0    UF     Platelet Antagonists/CT
E24         0    UF     Platelet Antiaggregants/CT
E25         0    UF     Platelet Inhibitors/CT
E26         6262  NT1    Alprostadil/CT
E27         34111 NT1    Aspirin/CT
E28         7073  NT1    Dipyridamole/CT
E29         645   NT1    Disintegrins/CT
E30         11504 NT1    Epoprostenol/CT
E31         1635  NT1    Iloprost/CT
E32         2715  NT1    Ketanserin/CT
E33         1054  NT1    Milrinone/CT
E34         3411  NT1    Pentoxifylline/CT
E35         784   NT1    S-Nitrosoglutathione/CT
E36         726   NT1    S-Nitrosothiols/CT
E37         1165   NT2    S-Nitroso-N-Acetylpenicillamine/CT
E38         784   NT2    S-Nitrosoglutathione/CT
E39         5333  NT1    Ticlopidine/CT
E40         263   NT1    Trapidil/CT
***** END *****
```

**MEDLINE****EXPAND in /MN Thesaurus**

=&gt; E D2.113.250.+ALL/MN

E1 BT3 D Chemicals and Drugs/MN  
 E2 BT2 Organic Chemicals/MN  
 E3 BT1 Anhydrides/MN  
 E4 BT4 D Chemicals and Drugs/MN  
 E5 BT3 Heterocyclic Compounds/MN  
 E6 BT2 Heterocyclic Compounds, 1-Ring/MN  
 E7 BT1 Furans/MN  
 E8 --> D2.113.250./MN  
 E9 MH Citraconic Anhydrides/MN  
 DC an INDEX MEDICUS major descriptor  
 NOTE Methylmaleic anhydrides.  
 AQ AD AE AG AI AN BL CF CH CL CS CT DU EC HI IM IP ME  
 PD PK PO RE SD ST TO TUUR  
 PNTE Anhydrides (1969-1974)  
 PNTE Maleates (1972-1974)  
 HNTE 91(79); was see under FURANS 1979-90; was  
 CITRACONIC ANHYDRIDE see under FURANS 1977-78 &  
 see under MALEATES 1975-76  
 ONTE use CITRACONIC ANHYDRIDES to search CITRACONIC  
 ANHYDRIDE 1975-78  
 MHTH NLM (1975)  
 E10 UF Anhydrides, Citraconic/MN  
 E11 UF Anhydrides, Methylmaleic/MN  
 E12 UF Methylmaleic Anhydrides/MN  
 \*\*\*\*\* END \*\*\*\*\*

**DISPLAY BIB for EPUB AHEAD OF PRINT (NOTE: To manage the content of EPUB AHEAD OF PRINT records in your answer set use: EPUB AHEAD OF PRINT/FS)**

AN 2012470722 MEDLINE (EPUB AHEAD OF PRINT) Full-text  
 DN PubMed ID: 22423185  
 TI Treatment timing of MARA and fixed appliance therapy of Class II  
 malocclusion.  
 AU Huanca Ghislanzoni Luis Tomas; Baccetti Tiziano; Toll Douglas; Defraia  
 Efisio; McNamara James A Jr; Franchi Lorenzo  
 CS Department of Human Morphology, University of Milan, Italy.  
 SO European journal of orthodontics, (2012 Mar 15) . Electronic Publication:  
 2012-3-15.  
 Journal code: 7909010. E-ISSN: 1460-2210. L-ISSN: 0141-5387.  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS EPUB AHEAD OF PRINT; NONMEDLINE; NONINDEXED  
 ED Entered STN: 19 Mar 2012  
 Last Updated on STN: 19 Mar 2012

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