What you need to start

- **On campus:**
  - Library registration (at library counter)
  - Network registration (at library counter)
  - Ask for training sessions if you still feel uncomfortable searching Medline

- **Off campus:**
  - Library registration
Background

- A biomedical database
- Covering years since 1950
- Indexing journals only
- ± 5000 journals indexed
- International coverage
How do I access Medline

- Go to Health Sciences Library Website
  http://www.library.up.ac.za/health

- Choose Health Databases where Medline is listed

- Available on-campus and off-campus

- NB: you must be registered as a library user for access
UP Home page from off-campus

Click on "Library"
Library Home Page: Click on Libraries/Units/Collections
You must be a registered library patron to access library e-resources. You need to type your student/personnel no. and PIN.

If you do not have a PIN:
Type only your Student No. (8 digits) or Personnel No. (7 digits) and Enter (leave the PIN box empty). Two new PIN input boxes will appear and type in the same PIN of your choice in both boxes (4 to 30 characters). Example of how to create your PIN.

Keep your PIN confidential at all times. If there are more than five failed attempts to log in, the system will block access to the patron account for 3 minutes.

Enquiries: (Always include your student no. and name.)
Merensky Library (Tel. +27 12 420 5240), Vet Library (Tel. +27 12 529 8009), Medical Library (Tel. +27 12 354 2298), GIBS (Tel. +27 11 771 4322), Groenkloof Library (Tel. +27 12 420 5536), Mamelodi Library (Tel. +27 12 842 3565), Law Library (Tel. +27 12 420 2268), Music Library (Tel. +27 12 420 2317)
(Weekdays 16:00 – 21:00 & Saturdays 8:30-13:00)

Terms and Conditions: Access to E-Resources
Systematic and programmatic downloading of a large amount of information from the same Journal/database is strictly against the Copyright Act 98 of 1978, as amended. It is also a violation of the Terms and Conditions of the licensing agreement with the Publisher. The definition of misconduct in the Disciplinary Code: Students, specifically includes the infringement of copyright. A contravention of this Code will constitute misconduct and will be referred to the Disciplinary Committee (Students) for a hearing. If this Committee finds you guilty, it will impose a disciplinary measure that deems fit in the circumstances. Such disciplinary measure could include an expulsion from the University for a period of time.

By proceeding and entering my detail and PIN, I accept the above terms and conditions.

or Exit

Student/Personnel no. eg. 27438923 (CSIR staff: 6 digits)
Enter PIN. Leave empty if you have no PIN.
Medline can be searched in different time periods: Choose period 1950-2009
At first!

- **Specify** your topic

- Break up your topic *into concepts* if more than one

- Start searching the concepts or terms *one by one*

- After searching the different terms, you will *combine* them logically using Boolean Operators (AND, OR, NOT)
Example of a search subject

- Write an assignment on:
  
  Rehabilitation and prevention of sprains in sports in adolescents and adults.
**Break the search down into concepts**

<table>
<thead>
<tr>
<th>Concept 1</th>
<th>Concept 2</th>
<th>Concept 3</th>
<th>Concept 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sprains</td>
<td>Rehabilitation Prevention</td>
<td>Sports Athletics Soccer Rugby Hockey</td>
<td>Adolescents Teenagers Adults</td>
</tr>
</tbody>
</table>
MESH

- Medical Subject Headings
- An alphabetical list of medical terms
- MESH makes efficient searching easy for everyone
Advantages of MESH

- Automatic cross-referencing from non-MESH to MESH terms
- Covers British/American spelling
- Includes singular/plural terms
- Includes synonyms
- MESH terms link to subheadings
Type in the first part of your topic viz “Sprains”

Click on “Search” after search term has been typed in block
THREE important aspects
1 Look at scope note
2 Click on the term to see tree structure
3 Decide to explode or not

Your typed-in subject term will be “mapped” to a MESH term
**Scope Note for: “Sprains and Strains”**

**MeSH Heading:** SPRAINS AND STRAINS

**Scope:** A collective term for muscle and ligament injuries without dislocation or fracture. A sprain is a joint injury in which some of the fibers of a supporting ligament are ruptured but the continuity of the ligament remains intact. A strain is an overstretching or overexertion of some part of the musculature.

**Note:** IM; coord sprain with specific joint /inj (IM) or ligament /inj (IM) & strain with specific muscle /inj (IM); CUMULATIVE TRAUMA DISORDERS is available: "strain fracture": index under FRACTURES, BONE (IM) + CUMULATIVE TRAUMA DISORDERS (IM); DF: SPRAINS

**References:**

**Used For:**
- sprains and strains
- strains and sprains
- sprains
- sprain
- strains
- strain
Click on this term / phrase to go to the “Tree structure” to see broader and narrower terms.
Scroll down to see where the term / phrase is highlighted.

**Tree for Sprains and Strains**

<table>
<thead>
<tr>
<th>Select Term(s)</th>
<th>Subject Heading</th>
<th>Hits</th>
<th>Explode</th>
<th>Focus</th>
<th>Scope Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy (Non MeSH)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisms (Non MeSH)</td>
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<td></td>
</tr>
<tr>
<td>Diseases (Non MeSH)</td>
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<td></td>
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<tr>
<td>Bacterial Infections and Mycoses</td>
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<td></td>
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<tr>
<td>Virus Diseases</td>
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<td></td>
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<tr>
<td>Parasitic Diseases</td>
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<td></td>
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<tr>
<td>Digestive System Diseases</td>
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<td>1169</td>
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<tr>
<td>Stomatognathic Diseases</td>
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<td>Respiratory Tract Diseases</td>
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<td>Otologiclaryngologic Diseases</td>
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<td></td>
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<tr>
<td>Urogenital Diseases</td>
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<td></td>
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<tr>
<td>Female Urogenital Diseases and Pregnancy Complications</td>
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<tr>
<td>Cardiovascular Diseases</td>
<td></td>
<td>38286</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EXPLODE

- MESH terms are organised into tree structures
- The TREE structure arranges MESH terms into broader and narrower terms
- Medline has an EXPLODE function which enables you to use a broader term while simultaneously including all its narrower terms
- Enable the EXPLODE function by clicking on the EXPLODE block at the right side of your MESH term
Scroll to the top of the page and click on “continue”
- Medline has the powerful function of focusing

- Focusing means to throw out less important articles

- You can restrict your MESH term to the most important articles on that topic by clicking in the FOCUS block at the far right side of your MESH term
Choose one or more **subheadings** or none if so preferred

After choosing the relevant subheadings click on **continue**
Subheadings

– Subheadings enable searching on specific aspects of your topic eg
  - diagnosis
  - etiology
  - rehabilitation
  - prevention & control, etc

– You can mark more than one subheading simultaneously

– Using subheadings = potent searching!
REMEMBER

MANAGEMENT OF A DISEASE:
- There are different subheading options to cover the management of a disease.
- You can choose one or more subheadings such as:
  - surgery,
  - diet therapy,
  - drug therapy,
  - radiotherapy or even rehabilitation.
Results of Set no 1

Type in next part of search viz: “Sports”
Each new term will take you through the search process again.

Click on the term "Sports".
To include ALL Sports click on *Explode*. 

+ indicates narrower terms (See *running* with *jogging* as a narrower term).
This time we will not choose any subheadings; therefore click on *continue*.

Click on *continue*.
You now need to combine Set no 1 AND Set no 2
Result Set no 3 = (167 references)
LIMIT function

- Medline covers
  - veterinary sciences
  - all languages
  - different publication types
  - all age groups
  - and the time period since 1950.

- The powerful LIMIT function enables you to limit your search to all of the above categories and more. You can limit e.g. to only human and English references.

- The LIMIT functions can be used by directly marking the LIMIT blocks under the command bar or use the “additional limits” on the top of the screen.
LIMITS—(always limit to English and Human)

General Limits – most used

Additional Limits – includes complete list
You must now limit to age group

Click on "Additional Limits"
Additional Limits includes ALL limit categories

Make sure that you have marked the Set no that you wish to limit

Limit Set No 4 to Age Groups: Adults or Adolescents
Too many references - Then limit this search to the period 1996-2009

Use down arrows to choose the period: 1996 - Current
<table>
<thead>
<tr>
<th>#</th>
<th>Searches</th>
<th>Results</th>
<th>Search Type</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1 and 2</td>
<td>167</td>
<td>Advanced</td>
<td>Display</td>
</tr>
<tr>
<td>4</td>
<td>Limit 3 to (english language and humans)</td>
<td>156</td>
<td>Advanced</td>
<td>Display</td>
</tr>
<tr>
<td>5</td>
<td>Limit 4 to (&quot;adolescent (13 to 18 years)&quot; or &quot;young adult and adult (19-24 and 19-44)&quot;&quot;)</td>
<td>84</td>
<td>Advanced</td>
<td>Display</td>
</tr>
<tr>
<td>6</td>
<td>Limit 5 to yr-&quot;1996 -Current&quot;</td>
<td>64</td>
<td>Advanced</td>
<td>Display</td>
</tr>
</tbody>
</table>

**Final result**
Click on the “Expand” button to see ALL the set numbers.

Expand button to see ALL set nos from 1 to 6.

Final result: 64 references.
Examples of results/references which are displayed below the search strategy.
You can view abstracts, sort & increase results per page.
About 65% of the Medline database references provide abstracts.
If you have selected refs and have moved on to other pages, **first click on Display button** -- then on the Display page click on **Main Search Page**.
Selected references will be displayed as the last set number.
To print / save references use the Results Manager

Once you have marked the format of your references you can now either click on **Print Preview** or **Save**
To Print: Click on File and Print
To access full text articles you can use **Check SFX for Full Text** OR **PDF Full Text** article – If no Full Text available on Medline ALWAYS go to Electronic Journals to double-check!
On completion: LOGOFF
FEEL WELCOME TO ASK FOR HELP

enjoy searching!

Updated by: Susan Scheepers/Maureen Brassel  July 2009