Overview

- Assignment #2 – comments
- Assignment #3 – due next week
- Practice

Trust & Verify

- Any information from Secondary Sources
  - Confirm your information with another source
    - Another source = primary literature
  - Web Searches
    - Good place to start / Horrible place to end
      - Especially true with Wikipedia

Assignment 2

Abstract - Motivation

- Pain management is part of living with arthritis…
- Hearing problems are experienced by X% of people over 50…
- Death is a part of life…
- Groundwater pollution is associated with Y% of all Super Fund sites…
- Humans lose up to 2 pounds of muscle a year as they age…
- Joint pain and aging often go together which limits what activities people are able to do…

Abstract – Problem Statement

- 2 concepts
  - Unambiguous
- Examples of nebulous & broad concepts
  - Health effects
  - Medical uses
  - Environmental problems
  - Negative side effects
  - …
Abstract & Presentation

• Abstract is an advertisement for the Presentation
  – 1st seven words are very important
  • I want to find information on the chemical and physical properties and uses of aspirin.

Presentation

• Focus on Chemistry
  – Avoid pronouncements/conclusions
    • “Compound x causes/prevents disease y”
      – Explain chemistry for cause/prevention
      – If chemistry is unknown
        » Then show data/chart(s) summarizing clinical evidence
    • “Compound x contributes to global warming”
      – Explain chemistry in the environment
      – If chemistry is unknown
        » Then show data/chart(s) summarizing evidence
  – Let the audience make up their own mind

• Avoid policy discussions
  – Leave policy to the ethicists/politicians
  – Talk about chemistry or biochemistry

• Keep it focused
  – One topic rather than two or three

Search like a Native: Googlese

• Fair
  – Aspirin AND pain management
    vs
• Better
  – Aspirin pain management
    vs
• Best
  – Aspirin “pain management”

Assignment #3

due next week

• Q 1-9 – Four search engines
  – Google Scholar
  – SciFinder
  – Web of Science
  – Scopus

• Q 10 – RefWorks Bibliography – labeled

• Q 11-12 – Searching like a native
Summary

- Abstract
- Presentation
- Assignment #3
- Practice