Intermediate PubMed: MeSH and Advanced Search

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<tr>
<th>Course Objectives</th>
<th>Tier 2 Core Competencies</th>
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<tr>
<td>1. Use PubMed Advanced Search to navigate PubMed</td>
<td>1B4. Uses information technology in accessing, collecting, analyzing, using, maintaining, and disseminating data and information</td>
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<tr>
<td>2. Use MESH to navigate PubMed</td>
<td>6B5. Retrieves evidence</td>
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<td>1. Use MyNCBI to organize bibliographic information</td>
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Problems associated with giving flu vaccines to individuals with egg allergies.
Information skills and the 10 Essential Public Health Services

[Image of a diagram illustrating the 10 Essential Public Health Services: Assess, Monitor Health, Diagnose & Investigate, Link to/Provision Care, Enforce Laws, Mobilize Community Partnerships, Develop Policies, Inform, Educate, Empower, Research, System Management, Evaluate]
## Information Competencies for Public Health Professionals

<table>
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<tr>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
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<tr>
<td><strong>1A2. Identifies quantitative and qualitative data and information</strong></td>
<td><strong>1B3. Applies ethical principles in accessing, collecting, analyzing, using, maintaining, and disseminating data and information</strong></td>
<td><strong>1C3. Ensures ethical principles are applied in accessing, collecting, analyzing, using, maintaining, and disseminating data and information</strong></td>
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<td><strong>1A14. Describes how evidence is used in decision making</strong></td>
<td><strong>1B14. Makes evidence-based decisions</strong></td>
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<td><strong>1B15. Advocates for the use of evidence in decision making that affects the health of a community</strong></td>
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Part 1

Medical Subject Headings: MeSH

Problems associated with giving flu vaccines to individuals with egg allergies.
Provides free access to MEDLINE
- @25 M citations and abstracts
- @5,600 biomedical journals published in U.S. and 80 other countries.
- @61% are linked to full text articles
- 5M articles (@20%) are linked to free full text articles.

Problems associated with giving flu vaccines to individuals with egg allergies.
Topic:
Problems associated with giving flu vaccines to individuals with egg allergies.

• Segment your topic into concepts.
• Every term that occurs may be thought of as representing a concept.
Problems associated with giving flu vaccines to individuals with egg allergies.
Problems associated with giving flu vaccines to individuals with egg allergies.
2nd concept: negative effects
select the subheading ‘adverse effects’
and click “Add to search builder”.

Problems associated with giving flu vaccines to individuals with egg allergies.
3rd concept: egg allergies

search Mesh for ‘egg allergy’ and click “Add to search builder”.

Problems associated with giving flu vaccines to individuals with egg allergies.
Compare PubMed searches: Mesh vs. regular search

"Influenza Vaccines"[Mesh] AND "Egg Hypersensitivity"[Mesh]

‘flu vaccines and egg allergies’

Problems associated with giving flu vaccines to individuals with egg allergies.
Problems associated with giving flu vaccines to individuals with egg allergies.
problems associated with giving flu vaccines to individuals with egg allergies.
Not all terms are equally search-able

**Nutrition:** 34

**Food:** 86

Problems associated with giving flu vaccines to individuals with egg allergies.
Advanced Search:
Trends in health care informatics and diabetes
Advanced Search:
Trends in health care informatics and diabetes
Thank you!

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