Appendix A. Paper forms

Instructions
Record all patient-related questions that arise in a half-day clinic. For each question enter:

- which patient of the day it was related to
- whether or not it was answered
- how much time it took (in minutes)
- the primary source of the answer.

At the end of the half-day, please tally up the total # of patients and questions. See example below for details.

Example:

<table>
<thead>
<tr>
<th>Appt time: 1:00pm</th>
<th>Answered Q: (Y/N/Didn’t try)</th>
<th>Time taken: 3 mins</th>
<th>Source: Google&gt;Wikipedia&gt;UpToDate</th>
<th>Question: Can a pt w active shingles get the vax?</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Appt time: 1:00pm</th>
<th>Answered Q: (Y/N/Didn’t try)</th>
<th>Time taken: 1 min</th>
<th>Source: Self</th>
<th>Question: Does this pt’s ins cover shingles vax?</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Appt time: 2:15pm</th>
<th>Answered Q: (Y/N/Didn’t try)</th>
<th>Time taken: 1 min</th>
<th>Source: Colleague</th>
<th>Question: Which sr res is on call at Univ Hospital tonight?</th>
</tr>
</thead>
</table>

Total patients
that you saw in half-day: ________

What questions did you have?

<table>
<thead>
<tr>
<th>Appt time: ---------------</th>
<th>Answered Q: (Y/N/Didn’t try)</th>
<th>Time taken (min.):</th>
<th>Source: ______________________</th>
<th>Question:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Appt time: ---------------</th>
<th>Answered Q: (Y/N/Didn’t try)</th>
<th>Time taken (min.):</th>
<th>Source: ______________________</th>
<th>Question:</th>
</tr>
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<table>
<thead>
<tr>
<th>Appt time: ---------------</th>
<th>Answered Q: (Y/N/Didn’t try)</th>
<th>Time taken (min.):</th>
<th>Source: ______________________</th>
<th>Question:</th>
</tr>
</thead>
</table>
Appendix B. Search scenarios

1. Find a patient handout regarding dietary recommendations for Irritable Bowel Syndrome. [patient info]
2. Is oral ciprofloxin (for UTI’s) on Schnucks’s free medication list? [org]
3. What is the differential diagnosis of bilateral testicular pain? [differential diagnosis]
4. Is it safe to use Cymbalta (duloxetine) with Paxil (paroxetine)? [drug interaction]
5. Are there any therapies for vertebral artery stenosis other than aggressive med management? [treatment]
6. Find a patient information handout on Herpangina. [patient info]
7. What are the hours of Red Cross Pharmacy in Macon, MO? [org]
8. What is the best time to re-image wrist if concerned about scaphoid fracture? [diagnosis, imaging]
9. Which labs should I order for initial evaluation of elevated LFT’s (transaminases)? [disease]
10. What are appropriate steroid doses and duration for COPD exacerbation in geriatric patients? [drug + disease + geriatrics]
Appendix C. Answer correctness criteria

1. Find a patient handout regarding dietary recommendations for Irritable Bowel Syndrome.
   Correct answer included:
   a. Patient-friendly language
   b. Information about IBS
   c. Information about diet

2. Is oral ciprofloxin (for UTI's) on Schnucks's free medication list?
   a. Correct answer is “Yes”.

3. What is the differential diagnosis of bilateral testicular pain?
   Correct answer:
   a. Addressed acute or chronic testicular pain
   b. Addressed bilateral pain
   c. Included more than four potential causes of testicular pain.

4. Is it safe to use Cymbalta (duloxetine) with Paxil (paroxetine)?
   a. Correct answer is “no” or “probably not” or “use with caution”.

5. Are there any therapies for vertebral artery stenosis other than aggressive med management?
   a. Correct answer is “no”
   b. Correct answer did not endorse “Stenting” as an acceptable option.

6. Find a patient information handout on Herpangina. [patient info]
   Correct answer:
   b. Included information about “herpangina”.
   c. Was not about other specific causes of oral ulcers.
   d. Was not about “herpes simplex” or “herpes zoster” or “human papilloma virus”.
   e. Was not about viral infections in general.

7. What are the hours of Red Cross Pharmacy in Macon, MO?
   Correct answer included a link to the pharmacy website:
   http://www.redcrosspharmacy.com/pharmacy-macon.php or the text that included the days and times as follows: “Store Hours - Monday - Friday 8:00AM - 6:00PM; Saturday: 8:00AM - 1:00PM”

8. What is the best time to re-image wrist if concerned about scaphoid fracture?
   Correct answer:
   a. Included 10 to 14 days, or any value in that range.
   b. Assumed plain x-ray (need not specifically state plain x-ray).
   c. Excluded MRI, nuclear medicine, or ultrasound imaging.

9. Which labs should I order for initial evaluation of elevated LFT’s (transaminases)?
   Correct answer included:
   a. A link to a list of at least 4 items from an online reference.
Or
b. A link to an online diagnostic algorithm which included several potential causes.

10. What are appropriate steroid doses and duration for COPD exacerbation in geriatric patients?
Correct answer included:
   a. 40-60 mg prednisone daily for 10-14 days (or alternative equipotency dosing of alternative oral corticosteroid).
   b. Did not need to specify elderly patients since none of the high-quality references had dosing details specific to the elderly.