

**ASHP CLINICAL SKILLS COMPETITION  
PHARMACIST'S PATIENT DATA BASE FORM**

| <b>Demographic and Administrative Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
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| Name: ES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Patient ID: 123-45-6789                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Address: 1143 Park Lane<br>Hastings, MN 55033                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Clinic Team: Blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Date of Birth: 04/19/1940                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Primary Care Physician: Graham                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Height: 5'11"      Weight: 145 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pharmacy: Walgreen's (Westview Dr.) Hastings, MN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Gender: Female                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Race: Caucasian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Religion: New Age                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| <b>History of Present Illness</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| <p>ES presents to the family medicine clinic today for follow-up of a recent hospitalization for a left hip fracture. Her fracture occurred when she fell while walking her dog 6 weeks ago. She has had intermittent pain when ambulating (4 out of 10) in her left hip since then and has been feeling hopeless, extremely tired without being able to sleep, irritable, unwilling to participate in her normally pleasurable activities with friends and family (i.e., knitting group, women luncheons, writing), and has less interest in eating. She has not had thoughts of suicide and is able to perform activities of daily living well with walker. Just prior to her hip fracture, she was very active in several women's groups, writing a children's book, and volunteered at the local hospital.</p> | <b>Vitals &amp; Other Tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">09/23/06<br/>(today)</th> <th style="text-align: center;">03/17/06</th> <th style="text-align: center;">07/06/05</th> <th style="text-align: center;">01/15/05</th> </tr> </thead> <tbody> <tr><td>BP</td><td style="text-align: center;">138/86</td><td style="text-align: center;">120/72</td><td style="text-align: center;">118/84</td><td style="text-align: center;">124/76</td></tr> <tr><td>Pulse</td><td style="text-align: center;">75</td><td style="text-align: center;">74</td><td style="text-align: center;">70</td><td style="text-align: center;">65</td></tr> <tr><td>Temp</td><td style="text-align: center;">98.6°F</td><td style="text-align: center;">98.2°F</td><td style="text-align: center;">99.0°F</td><td style="text-align: center;">98.6°F</td></tr> <tr><td>Resp</td><td style="text-align: center;">16</td><td style="text-align: center;">16</td><td style="text-align: center;">18</td><td style="text-align: center;">16</td></tr> <tr><td>Weight</td><td style="text-align: center;">145 lbs</td><td style="text-align: center;">155 lbs</td><td style="text-align: center;">150 lbs</td><td style="text-align: center;">152 lbs</td></tr> <tr><td>Height</td><td style="text-align: center;">5'11"</td><td style="text-align: center;">5'11"</td><td style="text-align: center;">5'11"</td><td style="text-align: center;">5'11"</td></tr> <tr><td>BMI</td><td style="text-align: center;">20.2</td><td style="text-align: center;">21.6</td><td style="text-align: center;">20.9</td><td style="text-align: center;">21.2</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          | 09/23/06<br>(today) | 03/17/06 | 07/06/05 | 01/15/05 | BP | 138/86 | 120/72 | 118/84 | 124/76 | Pulse | 75 | 74 | 70 | 65  | Temp            | 98.6°F | 98.2°F | 99.0°F | 98.6°F | Resp | 16 | 16 | 18 | 16 | Weight | 145 lbs | 155 lbs | 150 lbs | 152 lbs | Height | 5'11" | 5'11" | 5'11" | 5'11" | BMI               | 20.2 | 21.6 | 20.9 | 21.2 |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 09/23/06<br>(today)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 03/17/06 | 07/06/05            | 01/15/05 |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| BP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 138/86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 120/72   | 118/84              | 124/76   |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Pulse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 74       | 70                  | 65       |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Temp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 98.6°F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 98.2°F   | 99.0°F              | 98.6°F   |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Resp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 16       | 18                  | 16       |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 145 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 155 lbs  | 150 lbs             | 152 lbs  |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5'11"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5'11"    | 5'11"               | 5'11"    |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| BMI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 21.6     | 20.9                | 21.2     |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| <b>Past Medical History</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Chem    09/23/06    03/17/06    07/06/05    01/15/05<br/>(today)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| <p>Tobacco use (1960)<br/>Mild-persistent asthma (1985)<br/>Menopause (1991)<br/>Major depression (1992)<br/>Dyslipidemia (2000)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>Na</td><td style="text-align: center;">137</td><td style="text-align: center;">140</td><td style="text-align: center;">144</td><td style="text-align: center;">140</td></tr> <tr><td>K</td><td style="text-align: center;">3.8</td><td style="text-align: center;">3.9</td><td style="text-align: center;">4.0</td><td style="text-align: center;">3.8</td></tr> <tr><td>Cl</td><td style="text-align: center;">98</td><td style="text-align: center;">99</td><td style="text-align: center;">98</td><td style="text-align: center;">100</td></tr> <tr><td>CO<sub>2</sub></td><td style="text-align: center;">26</td><td style="text-align: center;">24</td><td style="text-align: center;">24</td><td style="text-align: center;">25</td></tr> <tr><td>BUN</td><td style="text-align: center;">15</td><td style="text-align: center;">12</td><td style="text-align: center;">12</td><td style="text-align: center;">10</td></tr> <tr><td>SCr</td><td style="text-align: center;">0.9</td><td style="text-align: center;">1.0</td><td style="text-align: center;">0.8</td><td style="text-align: center;">0.9</td></tr> <tr><td>FBG</td><td style="text-align: center;">96</td><td style="text-align: center;">86</td><td style="text-align: center;">76</td><td style="text-align: center;">90</td></tr> <tr><td>HbA<sub>1c</sub></td><td style="text-align: center;">5.4%</td><td style="text-align: center;">5.2%</td><td style="text-align: center;">5.0%</td><td style="text-align: center;">5.0%</td></tr> <tr><td>Calcium</td><td style="text-align: center;">9.3</td><td style="text-align: center;">8.9</td><td style="text-align: center;">9.1</td><td style="text-align: center;">8.9</td></tr> <tr><td>Albumin</td><td style="text-align: center;">3.9</td><td style="text-align: center;">4.0</td><td style="text-align: center;">4.2</td><td style="text-align: center;">4.0</td></tr> <tr><td>AST</td><td style="text-align: center;">28</td><td style="text-align: center;">20</td><td style="text-align: center;">22</td><td style="text-align: center;">24</td></tr> <tr><td>ALT</td><td style="text-align: center;">26</td><td style="text-align: center;">30</td><td style="text-align: center;">25</td><td style="text-align: center;">28</td></tr> <tr><td>Total bili</td><td style="text-align: center;">0.8</td><td style="text-align: center;">0.8</td><td style="text-align: center;">0.7</td><td style="text-align: center;">0.8</td></tr> <tr><td>Direct bili</td><td style="text-align: center;">0.1</td><td style="text-align: center;">0.2</td><td style="text-align: center;">0.2</td><td style="text-align: center;">0.1</td></tr> </tbody> </table> | Na       | 137                 | 140      | 144      | 140      | K  | 3.8    | 3.9    | 4.0    | 3.8    | Cl    | 98 | 99 | 98 | 100 | CO <sub>2</sub> | 26     | 24     | 24     | 25     | BUN  | 15 | 12 | 12 | 10 | SCr    | 0.9     | 1.0     | 0.8     | 0.9     | FBG    | 96    | 86    | 76    | 90    | HbA <sub>1c</sub> | 5.4% | 5.2% | 5.0% | 5.0% | Calcium | 9.3 | 8.9 | 9.1 | 8.9 | Albumin | 3.9 | 4.0 | 4.2 | 4.0 | AST | 28 | 20 | 22 | 24 | ALT | 26 | 30 | 25 | 28 | Total bili | 0.8 | 0.8 | 0.7 | 0.8 | Direct bili | 0.1 | 0.2 | 0.2 | 0.1 |
| Na                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 137                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 140      | 144                 | 140      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3.9      | 4.0                 | 3.8      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Cl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 99       | 98                  | 100      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| CO <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 24       | 24                  | 25       |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
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| SCr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.0      | 0.8                 | 0.9      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| FBG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 96                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 86       | 76                  | 90       |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| HbA <sub>1c</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5.4%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.2%     | 5.0%                | 5.0%     |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Calcium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8.9      | 9.1                 | 8.9      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Albumin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.0      | 4.2                 | 4.0      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| AST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20       | 22                  | 24       |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| ALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30       | 25                  | 28       |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Total bili                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.8      | 0.7                 | 0.8      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| Direct bili                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.2      | 0.2                 | 0.1      |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| <b>Family History</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Central Bone Densitometry (DXA)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |
| <p>Father: MI at age 52, deceased - colon cancer at age 84<br/>Mother: osteoporosis at age 75; deceased - pneumonia at age 87,<br/>Sister: age 68; alive, hypertension, osteoarthritis<br/>Brother 1: age 61; alive, hypertension, dyslipidemia<br/>Brother 2: deceased - MI at age 56</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p style="text-align: center;">8/12/06</p> <p>T-score:</p> <p>Left hip      -2.8</p> <p>Lumbar spine -2.5</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                     |          |          |          |    |        |        |        |        |       |    |    |    |     |                 |        |        |        |        |      |    |    |    |    |        |         |         |         |         |        |       |       |       |       |                   |      |      |      |      |         |     |     |     |     |         |     |     |     |     |     |    |    |    |    |     |    |    |    |    |            |     |     |     |     |             |     |     |     |     |

| <b>Social History</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Fasting Lipids</b>                                                                                                                                                                                                                                                                                                                                                                                 |          |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------------------------------------------|-----|-----|-----|-----|------|-----|-----|-----|-------|----|----|----|-------|-----|-----|-----|
| <b>Tobacco:</b> 0.5 ppd x 46 years; recently quit - since hospitalization<br><b>ETOH:</b> occasional<br><b>Illicit Drugs:</b> none<br><b>Caffeine:</b> 3 cups coffee daily<br><b>Occupation:</b> retired; computer analyst<br><b>Status:</b> divorced<br><b>Children:</b> 2 daughters, 1 son; 1 grandchild<br><b>Physical Activity:</b> walked dog 3 miles daily and rode bicycle 30 minutes three times weekly until fracture occurred<br><b>Diet:</b> low sodium; eats out twice weekly                                                                                                                                                                                                                                                                                                                                                                          | <table border="1"> <thead> <tr> <th></th> <th>03/17/06</th> <th>07/06/05</th> <th>01/15/05</th> </tr> </thead> <tbody> <tr> <td>TC</td> <td>230</td> <td>240</td> <td>280</td> </tr> <tr> <td>Trig</td> <td>140</td> <td>160</td> <td>200</td> </tr> <tr> <td>HDL-C</td> <td>49</td> <td>52</td> <td>58</td> </tr> <tr> <td>LDL-C</td> <td>153</td> <td>156</td> <td>182</td> </tr> </tbody> </table> |          | 03/17/06 | 07/06/05 | 01/15/05                                     | TC  | 230 | 240 | 280 | Trig | 140 | 160 | 200 | HDL-C | 49 | 52 | 58 | LDL-C | 153 | 156 | 182 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 03/17/06                                                                                                                                                                                                                                                                                                                                                                                              | 07/06/05 | 01/15/05 |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| TC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 230                                                                                                                                                                                                                                                                                                                                                                                                   | 240      | 280      |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| Trig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 140                                                                                                                                                                                                                                                                                                                                                                                                   | 160      | 200      |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| HDL-C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 49                                                                                                                                                                                                                                                                                                                                                                                                    | 52       | 58       |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| LDL-C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 153                                                                                                                                                                                                                                                                                                                                                                                                   | 156      | 182      |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Other Tests</b>                                                                                                                                                                                                                                                                                                                                                                                    |          |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <table border="1"> <thead> <tr> <th></th> <th>03/17/06</th> <th>01/15/05</th> </tr> </thead> <tbody> <tr> <td>Thyroid Stimulating Hormone</td> <td>1.8</td> <td>1.9</td> </tr> </tbody> </table>                                                                                                                                                                                                      |          | 03/17/06 | 01/15/05 | Thyroid Stimulating Hormone                  | 1.8 | 1.9 |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 03/17/06                                                                                                                                                                                                                                                                                                                                                                                              | 01/15/05 |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| Thyroid Stimulating Hormone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.8                                                                                                                                                                                                                                                                                                                                                                                                   | 1.9      |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <table border="1"> <thead> <tr> <th></th> <th>09/23/06</th> <th>01/15/05</th> </tr> </thead> <tbody> <tr> <td>Hamilton Rating Scale for Depression (HAM-D)</td> <td>20</td> <td>7</td> </tr> </tbody> </table>                                                                                                                                                                                        |          | 09/23/06 | 01/15/05 | Hamilton Rating Scale for Depression (HAM-D) | 20  | 7   |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 09/23/06                                                                                                                                                                                                                                                                                                                                                                                              | 01/15/05 |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| Hamilton Rating Scale for Depression (HAM-D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20                                                                                                                                                                                                                                                                                                                                                                                                    | 7        |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| <b>Procedures</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>X-ray</b>                                                                                                                                                                                                                                                                                                                                                                                          |          |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| Appendectomy (1950)<br>Open Reduction Internal Fixation – left hip (2006)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8/12/06<br>Positive left hip (proximal femur) fracture                                                                                                                                                                                                                                                                                                                                                |          |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| <b>Physical Exam (09/23/06)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |
| Healthy female appearing to be older than stated age and using a walker.<br>VITALS: BP 138/86 (136/86 when repeated); HR 75; T 98.6; RR 16<br>SKIN: overall dry but intact<br>HEENT: PERRLA, neck supple, thyroid palpated with no mass noted<br>BREASTS: normal, patient performs self-breast examinations<br>LUNGS: clear bilaterally with no wheezing, no rhonchi, no rales<br>CARDIOVASCULAR: normal rate, rhythm, no gallops or murmurs noted<br>ABDOMEN: normal<br>GENITOURINARY: patient deferred<br>RECTAL: patient deferred<br>EXTREMITIES: no pitting edema, skin intact with no ulcerations, left hip ROM limited – 20° hip flexion with some pain (as expected with healing fracture) upon internal and external rotation, feet have appropriate sensation and blood flow<br>NEUROLOGICAL: cranial nerves II – XII intact, deep tendon reflexes normal |                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |                                              |     |     |     |     |      |     |     |     |       |    |    |    |       |     |     |     |

**ASHP CLINICAL SKILLS COMPETITION  
PHARMACIST'S PATIENT DATA BASE FORM (Cont.)**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |                                                             |                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------|-------------------------------------------|
| <b>Allergies/Intolerances</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               | <b>Prescription Coverage</b>                                |                                           |
| Penicillin – hives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               | Insurance: BlueCross Blue Shield                            |                                           |
| Lovastatin – abdominal pain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               | Copay: Visits - \$25, Formulary - \$10, Nonformulary - \$20 |                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               | Annual income: \$40,000                                     |                                           |
| <b>Current Drug Therapy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                                                             |                                           |
| Drug Name/Dose/Strength/Route                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Prescribed Schedule                           | Duration Start–Stop Dates                                   | Compliance/Dosing Issue                   |
| 1. albuterol MDI (17 g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 puffs every 4-6 hrs prn shortness of breath | 10/01/85-present                                            |                                           |
| 2. beclomethasone inhalation 42 mcg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 puffs BID                                   | 10/01/85-present                                            |                                           |
| 3. conjugated estrogen 0.625 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 tablet daily                                | 5/23/91-present                                             |                                           |
| 4. medroxyprogesterone acetate 2.5 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 tablet daily                                | 5/23/91-present                                             |                                           |
| 5. fluoxetine 10 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 capsule daily                               | 6/2/92-present                                              | Patient stopped medication from 1994-1999 |
| 6. acetaminophen 500 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1-2 tablets TID                               | 10/7/01-present                                             |                                           |
| 7. fluticasone propionate HFA 44 mcg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 puffs BID                                   | 6/4/02-present                                              |                                           |
| 8. atorvastatin 10 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 tablet daily                                | 1/15/05-present                                             |                                           |
| 9. fish oil capsules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 grams BID                                   | 1/15/05-present                                             |                                           |
| 10. multivitamin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 tablet daily                                | 01/01/00-present                                            |                                           |
| 11. nicotine patch 7 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 patch daily                                 | 08/12/06-9/14/06                                            |                                           |
| <b>Medication History</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                             |                                           |
| <p>Patient is very compliant with medications and has minimal side effects, but had intolerance to lovastatin prior to switch to atorvastatin. Stopped taking fluoxetine from 1994-1999 because depressive symptoms improved. Restarted fluoxetine 20 mg daily in 1999 while going through divorce with husband and decreased to 10 mg in 2001 since doing well. Patient was given oxycodone/acetaminophen prn for pain while in the hospital after hip fracture. She has been taking acetaminophen only since discharge. Medications have controlled asthma well for over 2 years as evidenced by albuterol use less than twice per month and vasomotor symptoms have been absent for the past 8 years with hormone therapy.</p> |                                               |                                                             |                                           |

**ASHP CLINICAL SKILLS COMPETITION  
PHARMACIST'S CARE PLAN**

| Clinical Significance                      | Healthcare Need                         | Pharmacotherapeutic Goals                                                                                                                                                                                                    | Recommendations for Therapy                                                                                                                                                                                                                                                                                                                                                                      | Monitoring Parameter(s)                                                                                                                                                                                                         | Desired Endpoints                                                                                                                                                                                                                  | Monitoring Frequency                                                                                                                                                                                       |
|--------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Most Clinically Significant Problem</b> | Osteoporosis                            | <ul style="list-style-type: none"> <li>Prevent future fractures, falls, and further bone loss</li> <li>Prevent complications, morbidity/mortality from fracture</li> <li>Restore quality of life and independence</li> </ul> | <ul style="list-style-type: none"> <li>Add bisphosphonate at treatment dose (e.g., alendronate 70 mg once weekly, risedronate 35 mg once weekly, ibandronate 150 mg once monthly)</li> <li>Add calcium 1500 mg and vitamin D (at least 400 international units)</li> <li>Fall prevention in the home</li> <li>Weight-bearing exercise (if/when able after recovery from hip fracture)</li> </ul> | <ul style="list-style-type: none"> <li>BMD</li> <li>Tolerance to medication (e.g., GI upset)</li> <li>Appropriate adherence to medication (e.g., remain upright after taking, no food/drink for 30-60 minutes, etc.)</li> </ul> | <ul style="list-style-type: none"> <li>Reduced risk of fracture</li> <li>Stabilize rate of BMD decline</li> </ul>                                                                                                                  | <ul style="list-style-type: none"> <li>BMD in <math>\geq 2</math> years</li> <li>Follow-up any medication issues in 1 month</li> </ul>                                                                     |
| <b>Major Clinical Significance</b>         | Depression                              | <ul style="list-style-type: none"> <li>Improve symptoms</li> <li>Restore quality of life and independence</li> </ul>                                                                                                         | <ul style="list-style-type: none"> <li>Increase dose of fluoxetine to 20 mg daily (preferred option)</li> <li>Alternative options include changing to another SSRI with shorter half-life due to age or adding another antidepressant (bupropion or tricyclic antidepressant)</li> <li>Counseling with psychologist or psychiatrist</li> </ul>                                                   | <ul style="list-style-type: none"> <li>HAM-D score</li> <li>Improvement of symptoms and activity involvement</li> <li>Adverse effects of medication</li> </ul>                                                                  | <ul style="list-style-type: none"> <li>HAM-D score improvement (lower than current score=20)</li> <li>Improve symptoms of depression</li> <li>Return to previous level of functioning</li> <li>Prevent further episodes</li> </ul> | <ul style="list-style-type: none"> <li>HAM-D 6-8 weeks after dose increase and every 6-8 weeks thereafter</li> <li>Medication effects and symptom improvement in ~4-6 weeks</li> </ul>                     |
| <b>Major Clinical Significance</b>         | Acute pain associated with hip fracture | <ul style="list-style-type: none"> <li>Improve symptoms</li> </ul>                                                                                                                                                           | <ul style="list-style-type: none"> <li>NSAID therapy with food using prescription strength scheduled doses (especially effective for bone pain) – examples include ibuprofen, naproxen, diclofenac, etc.</li> <li>Opioid combination agents (e.g., hydrocodone/ibuprofen) may be considered if NSAID ineffective</li> </ul>                                                                      | <ul style="list-style-type: none"> <li>Improvement of pain on 1-10 scale</li> <li>Blood pressure</li> <li>Drowsiness and CNS changes</li> <li>BUN/SCr</li> <li>Worsening asthma</li> </ul>                                      | <ul style="list-style-type: none"> <li>Level of pain acceptable to patient and/or improvement in 1-10 scale</li> <li>Maintain normal blood pressure</li> </ul>                                                                     | <ul style="list-style-type: none"> <li>Pain scale and symptom improvement within 3-5 days</li> <li>BUN/SCr at next visit</li> <li>Medication side effects and/or adherence issues at next visit</li> </ul> |

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| Clinical Significance       | Healthcare Need                                    | Pharmacotherapeutic Goals                                                                                                                                                                                                                      | Recommendations for Therapy                                                                                                                                                                                                          | Monitoring Parameter(s)                                                                                                                                                                                        | Desired Endpoints                                                                                                                                                                                         | Monitoring Frequency                                                                                                                                                                                                                               |
|-----------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Major Clinical Significance | Menopause (long-term hormone therapy risk>benefit) | <ul style="list-style-type: none"> <li>Decrease risk of adverse event (heart attack, breast cancer, DVT/PE)</li> </ul>                                                                                                                         | <ul style="list-style-type: none"> <li>Slow taper of hormone therapy regimen (i.e., decrease dose of estrogen to 0.45 mg or 0.3 mg or number of days/week patient takes therapy)</li> </ul>                                          | <ul style="list-style-type: none"> <li>Return of vasomotor symptoms (taper going too fast)</li> </ul>                                                                                                          | <ul style="list-style-type: none"> <li>Reduce risk of cardiovascular events, incl. MI, stroke, DVT/PE; breast cancer</li> <li>Free of vasomotor symptoms</li> </ul>                                       | <ul style="list-style-type: none"> <li>Symptoms and consideration for further taper of hormone therapy in 2-4 weeks (complete taper may take months based on response)</li> </ul>                                                                  |
| Major Clinical Significance | Dyslipidemia                                       | <ul style="list-style-type: none"> <li>Attain LDL goal (&lt;130 mg/dl)</li> <li>Prevention of cardiovascular events</li> </ul>                                                                                                                 | <ul style="list-style-type: none"> <li>Intensify LDL lowering by increasing atorvastatin to 20 mg daily (preferred option)</li> <li>Alternative option would be to add ezetimibe</li> <li>Advise appropriate diet therapy</li> </ul> | <ul style="list-style-type: none"> <li>Fasting lipid panel</li> <li>ALT (hepatic transaminase)</li> <li>Symptoms of myopathy (muscle aches, pains, weakness)</li> </ul>                                        | <ul style="list-style-type: none"> <li>Primary target LDL &lt;130 mg/dl</li> <li>Secondary target of non-HDL reduction not appropriate until LDL goal achieved</li> </ul>                                 | <ul style="list-style-type: none"> <li>Lipid panel in ~6 weeks and periodically thereafter</li> <li>ALT (hepatic transaminase) in 6 weeks and periodically thereafter</li> <li>Creatine kinase only if patient has symptoms of myopathy</li> </ul> |
| Minor Clinical Significance | Asthma                                             | <ul style="list-style-type: none"> <li>Provide appropriate therapy (current duplication of therapy)</li> <li>Maintain control of symptoms</li> <li>Ensure appropriate technique</li> </ul>                                                     | <ul style="list-style-type: none"> <li>Discontinue one of the steroid inhalers since pt has been well controlled for 2 years and is a duplication of therapy</li> <li>Continue other steroid inhaler twice daily</li> </ul>          | <ul style="list-style-type: none"> <li>Daily and night symptoms of asthma</li> <li>Peak flow (optional if symptoms are monitored)</li> <li>MD visits or hospitalizations</li> <li>Albuterol MDI use</li> </ul> | <ul style="list-style-type: none"> <li>Minimal symptoms (using albuterol <math>\leq 2</math> times/week)</li> <li>Peak flow 80-100% of personal best</li> <li>No MD visits or hospitalizations</li> </ul> | <ul style="list-style-type: none"> <li>Review symptoms and treatment in 1 month, then every 1-6 months thereafter</li> <li>Peak flow if symptoms worsen</li> </ul>                                                                                 |
| Minor Clinical Significance | Prior tobacco use/continued smoking cessation      | <ul style="list-style-type: none"> <li>Encourage tobacco-free status</li> <li>Prevent relapse</li> <li>Reduce risk of cardiovascular events and complications</li> <li>Reduce risk of lung cancer, COPD, and respiratory infections</li> </ul> | <ul style="list-style-type: none"> <li>Counseling or stop smoking program, if needed (i.e., ensure social support)</li> <li>Tips for withdrawal symptoms, if they occur</li> </ul>                                                   | <ul style="list-style-type: none"> <li>Withdrawal symptoms</li> </ul>                                                                                                                                          | <ul style="list-style-type: none"> <li>Prevent relapse</li> <li>Decrease risk of cardiovascular events</li> <li>Decrease risk of lung cancer, COPD, respiratory infections</li> </ul>                     | <ul style="list-style-type: none"> <li>Check-in with patient periodically (e.g., monthly) to assess tobacco status and presence of withdrawal symptoms</li> </ul>                                                                                  |

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| Clinical Significance       | Healthcare Need    | Pharmacotherapeutic Goals                                                                                                                                                           | Recommendations for Therapy                                                                                                                                                                                                                                                                                                  | Monitoring Parameter(s)                                                                                                                                                                          | Desired Endpoints                                                                                                                                                  | Monitoring Frequency                                                                                                                                                                                                                                                                                                                            |
|-----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minor Clinical Significance | Health Maintenance | <ul style="list-style-type: none"> <li>Prevent breast, cervical, and colon cancer</li> <li>Prevent pneumonia and influenza</li> <li>Avoid hospital admission and illness</li> </ul> | <ul style="list-style-type: none"> <li>Mammogram</li> <li>Pap smear (+/- since pt over 65 yrs)</li> <li>Colon cancer screening (by FOBT, sigmoidoscopy, colonoscopy, or double-contrast barium enema)</li> <li>Pneumococcal vaccine</li> <li>Flu shot now (if not already given this season) and again every fall</li> </ul> | <ul style="list-style-type: none"> <li>Clinical symptoms of respiratory illness (e.g., fever, chills, cough, dyspnea)</li> <li>Adverse reaction from injection (e.g., pain, swelling)</li> </ul> | <ul style="list-style-type: none"> <li>Prevent pneumococcal pneumonia and influenza virus infection</li> <li>Prevent breast, cervical, and colon cancer</li> </ul> | <ul style="list-style-type: none"> <li>Mammogram every 1-2 years</li> <li>Colon cancer screening every 1, 5 or 10 years depending on screening test performed</li> <li>Pap smear (if performed) every 2-3 years</li> <li>Clinical symptoms of respiratory infection at each visit</li> <li>Evaluate for influenza vaccination yearly</li> </ul> |