**Supplemental Table 9**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| KSA mapped to ACGME competencies | December 2011 | June 2012 | aP value | December 2012 | bP value | June 2014 | cP value |
| Care coordination* Practice based learning
* Inter-personal and communication skills
* Systems-Based Practices
 | 4.1 (3.6 – 4.6) | 4.1 (3.7 – 4.4) | 0.956 | 4.3 (4.0 – 4.6) | 0.021 | 4.4 (4.1 – 4.6) | 0.191 |
| Information system support* System based skills
 | 3.9 (3.4 – 4.4) | 4.0 (3.5 – 4.3) | 0.568 | 4.3 (4.0 – 4.6) | 0.003 | 4.4 (4.0 – 4.6) | 0.008 |
| Patient centered care* Patient care and procedural skills
* Professionalism
* Interpersonal communication skills
* Practice-based Learning & Improvement
 | 3.8 (3.4 – 4.2) | 3.9 (3.8 – 4.2) | 0.201 | 4.3 (4.1 – 4.6) | 0.012 | 4.4 (4.0 – 4.6) | 0.001 |
| Population management* Interpersonal and communication skills
* Practice based learning
* System based Practices
* Medical Knowledge
 | 3.8 (3.5 – 4.1) | 3.9 (3.6 – 4.1) | 0.201 | 4.3 (4.0 – 4.5) | 0.003 | 4.4 (4.0 – 4.6) | 0.002 |
| Quality Improvement * Practice based learning
* System based skills
 | 4.1 (3.6 – 4.3) | 4.1 (3.7 – 4.3) | 1.000 | 4.5 (4.2 – 4.7) | 0.012 | 4.4 (4.1 – 4.7) | 0.004 |
| Self management support* Medical knowledge
* Inter-personal and communication skills
* Patient Care
* Systems-based Practices
 | 3.8 (3.5 – 4.1) | 3.9 (3.5 – 4.1) | 0.3001 | 4.3 (3.9 – 4.5) | 0.003 | 4.3 (4.0 – 4.6) | <0.001 |
| Team approach* System based skills
* Practice based learning & Improvement
* Professionalism
* Interpersonal & Communication Skills
 | 4.7 (4.1 – 5.0) | 4.6 (4.0 – 4.9) | 0.806 | 4.9 (4.3 – 5.0) | 0.803 | 4.6 (4.0 – 5.0) | 0.056 |
| Treatment of Mental Health issues* Professionalism
* Inter-personal and communication skills
* Medical Knowledge
* Patient Care
 | 4.3 (4.0 – 4.7) | 4.4 (3.6 – 5.0) | 0.586 | 4.5 (4.1 – 4.6) | 0.526 | 4.5 (4.0 – 5.0) | 0.280 |
| Use of Guidelines* Medical knowledge
* Practice-Based Learning & Improvement
* Systems-Based Practices
* Patient Care
 | 4.1 (3.3 – 5.0) | 4.0 (3.3 – 4.6) | 0.933 | 4.7 (4.0 – 5.0) | 0.025 | 4.5 (4.0 – 5.0) | 0.028 |

**bDecember 2011 compared to December 2012**

**cDecember 2011 compared to June 2014**