



## Doctor of Pharmacy Program

The Doctor of Pharmacy program has 15 Educational Outcomes that were mapped through the entire four-year required curriculum. These outcomes are assessed both directly via Outcome Tracker and indirectly via the AACP Graduating Student Survey.

### Outcome Tracker

In 2011, ACPE revised Standards 2007 to version 2.0. Standards 2.0 includes Appendix D: Pre-Advanced Pharmacy Practice Experiences (APPE) Performance Domains and Abilities. Schools accredited under Standards 2.0 are required to demonstrate students' achievement of abilities in each domain before beginning APPEs. The UW-Madison School of Pharmacy developed Outcome Tracker as a means to demonstrate the achievement of Appendix D abilities. Appendix D domains were mapped to the Educational Outcomes. Faculty then assigned key course assessment activities to each of the educational outcomes. Students' completion of activities is ranked as Satisfactory, Remediated, or Needs Improvement. Items needing improvement are either remediated within coursework or through students' self-study. Students view their individualized report and upload their personal reflections through moodle as part of Professional Development & Engagement (PDE) activities.

In 2013-2014, Outcome Tracker reflections were incorporated into the DPH-1 continuing professional development module in 728-426. All DPH-1, DPH-2 and DPH-3 students successfully completed their Outcome Tracker reflections in the PDE Moodle sites in Spring 2014, as verified by the advisors and others affiliated with the process who provided feedback to students on their written reflections. DPH-3s met with Faculty Connections to reflect on how to best utilize their Outcome Tracker results.

In 2015, Outcome Tracker was recognized with the Excellence in Assessment Award from the American Association of Colleges of Pharmacy. This award highlighted UW-Madison School of Pharmacy's embedded assessment plan.

### AACP Graduating Student Survey

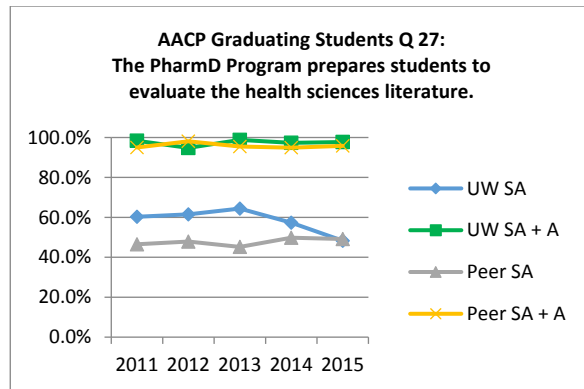
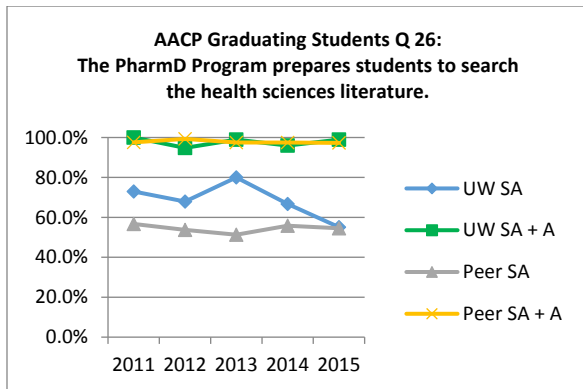
The School of Pharmacy administers the AACP Graduating Student Survey annually to DPH-4 students in the spring of their fourth year. Selected survey questions are responded to on a four-point Likert scale (Strongly Agree (SA), Agree (A), Disagree (D), Strongly Disagree (SD) and Unable to Comment (UC). AACP provides school, national and peer results. The UW-Madison School of Pharmacy chooses other CIC (Big 10) schools as a peer group (2014: Iowa, Maryland, Michigan, Minnesota, Nebraska, Ohio State, and Rutgers). Graduating Student Survey questions have been mapped to Educational Outcomes to provide an indirect measure of Educational Outcome attainment.

Class of	2011	2012	2013	2014	2015
N	63	78	90	75	89
Response rate	47.37%	59.09%	70.90%	59.10%	67.40%

[PharmD Educational Outcomes](#) (1-Information processing and provision, 2-Drug factors, 3-Patient factors, 4-Drug kinetics, 5-Product preparation, 6-Communication, 6a-Communicate with patients and/or caregivers, 6b-Communicate with health professionals, 6c-Document therapeutic assessments and clinical interventions, 7-Teamwork, 8-Behavioral principles, 9-Management principles, 10-Practice evaluation, 11-Professional standards, 12-Health disparities, 13-Public Health, 14-Professional awareness, 15-Lifelong learning)

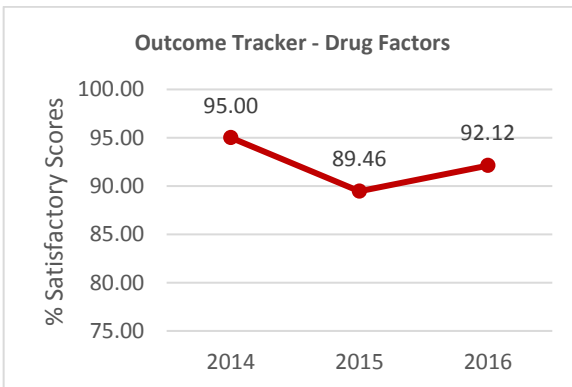
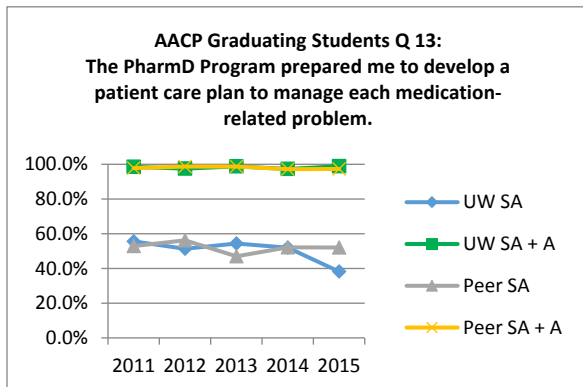
For each of the AACP Graduating Students line graphs, SA represents the percentage of *Strongly Agree* responses and SA + A represents the sum percentage of *Strongly Agree* and *Agree* responses.

### 1. Information Processing and Provision



Outcome Tracker	2015	2016
% Satisfactory	91.53%	88.8%

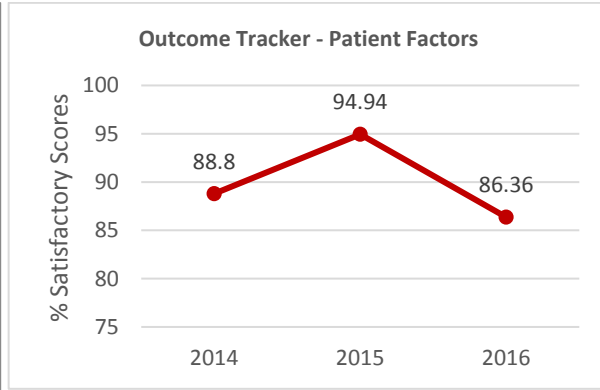
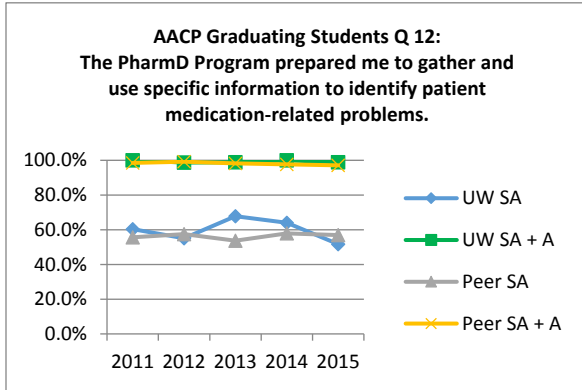
### 2. Drug Factors



Outcome Tracker	2014	2015	2016

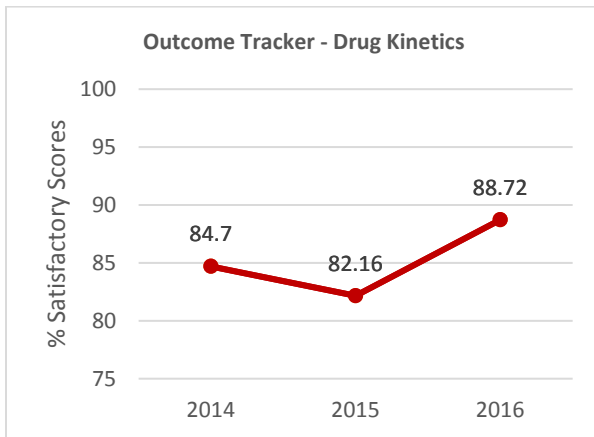
% Satisfactory	95%	89.46%	92.12%
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### 3. Patient Factors



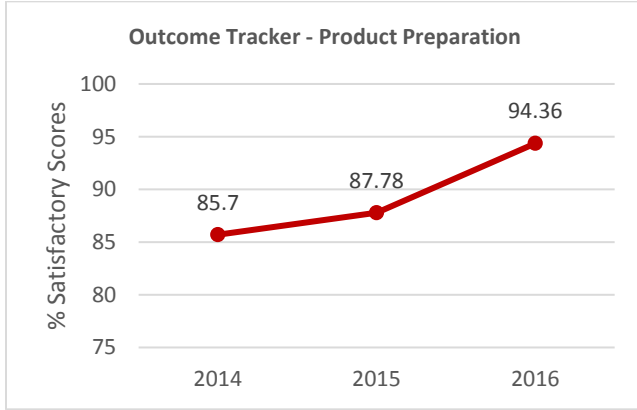
Outcome Tracker	2014	2015	2016
% Satisfactory	88.8%	94.94%	86.36%

### 4. Drug Kinetics



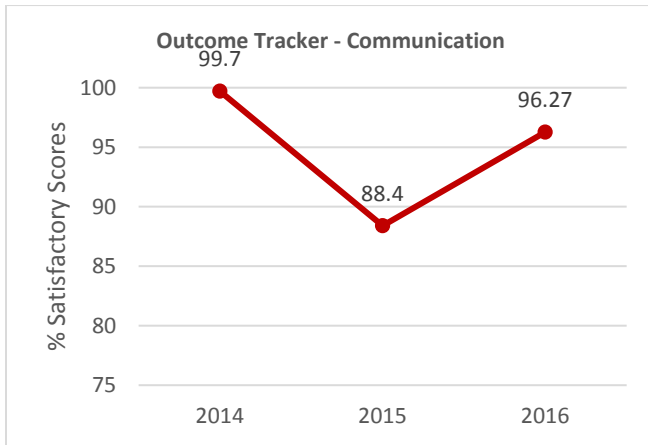
Outcome Tracker	2014	2015	2016
% Satisfactory	84.7%	82.16%	88.72%

5. Product Preparation



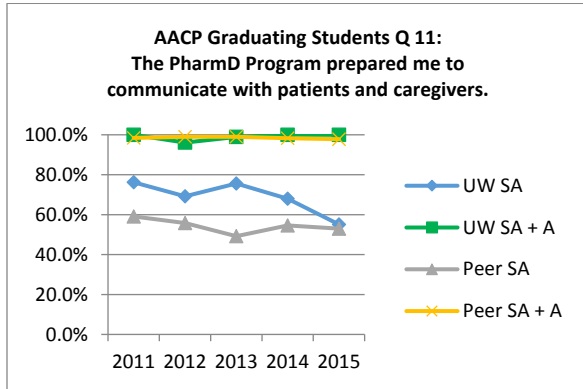
Outcome Tracker	2014	2015	2016
% Satisfactory	85.7%	87.78%	94.36%

6. Communication

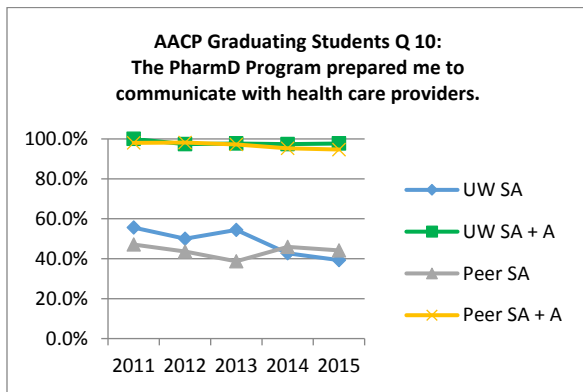


Outcome Tracker	2014	2015	2016
% Satisfactory	99.7%	88.4%	96.27%

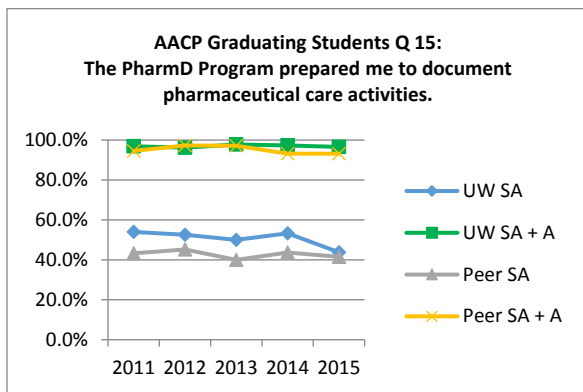
6a. Communication with patients and/or caregivers



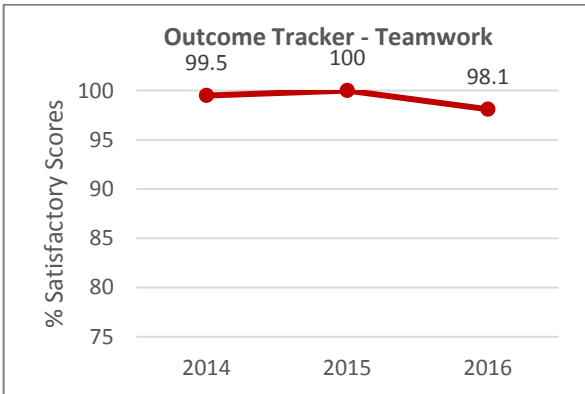
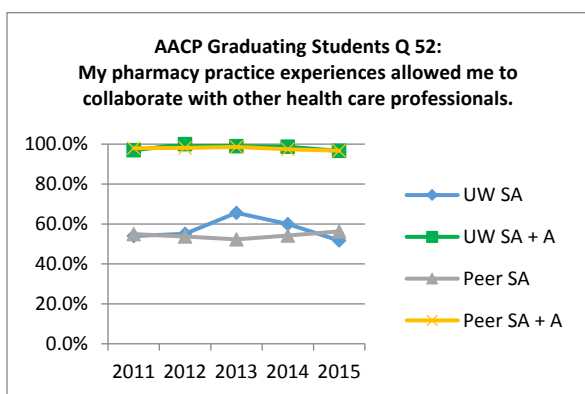
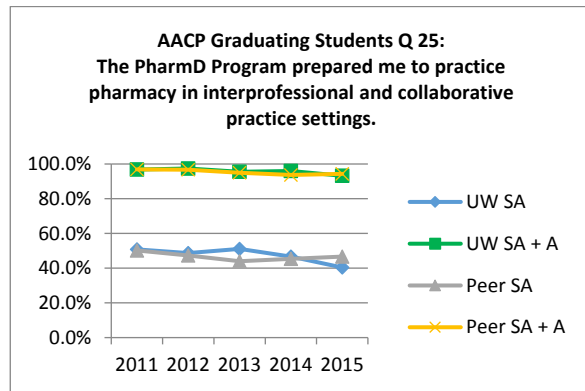
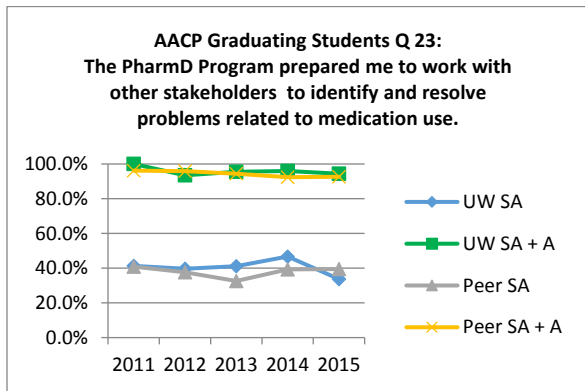
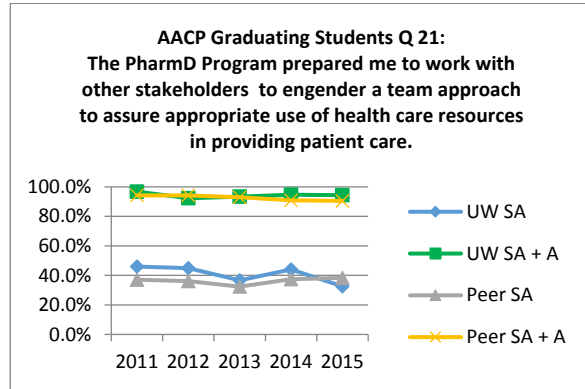
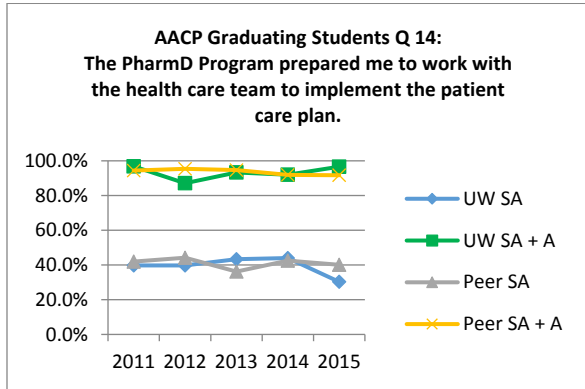
6b. Communication with health professionals



6c. Communication for documentation

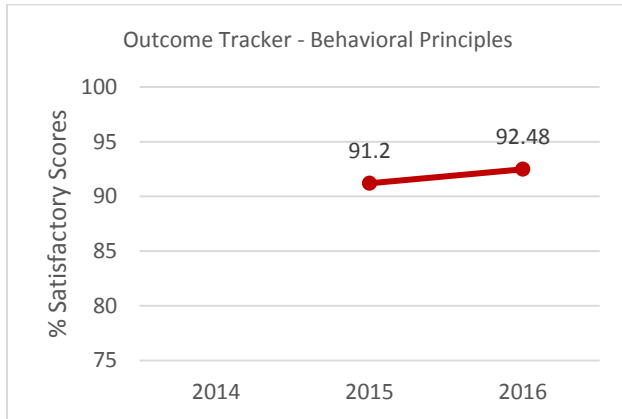


7. Teamwork



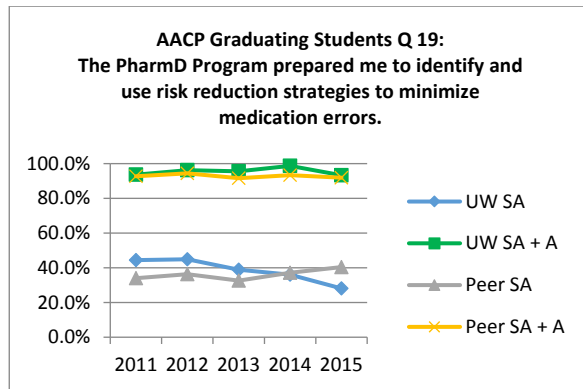
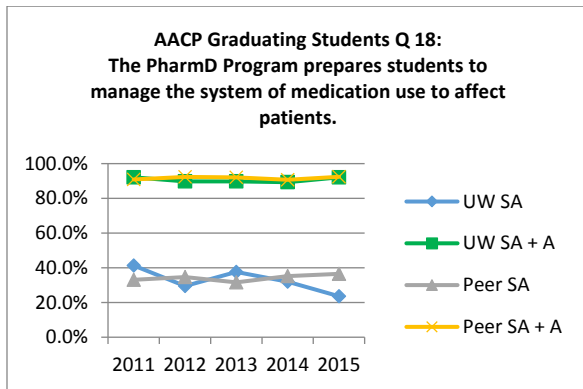
Outcome Tracker	2014	2015	2016
% Satisfactory	99.5%	100%	98.1%

### 8. Behavioral Principles

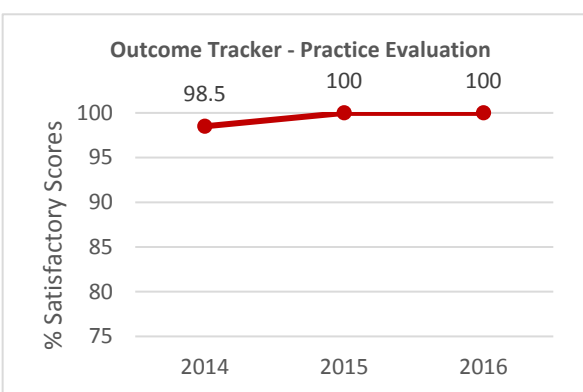
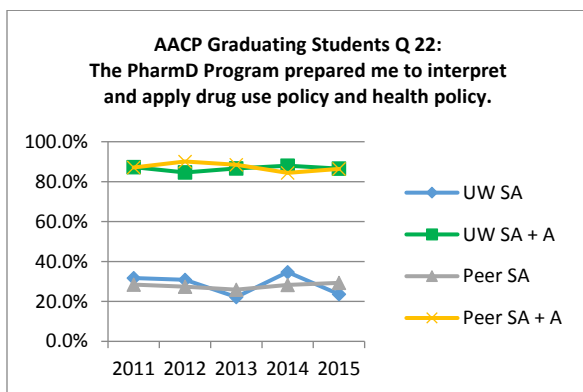


Outcome Tracker	2015	2016
% Satisfactory	91.2%	92.48%

### 9. Management Principles

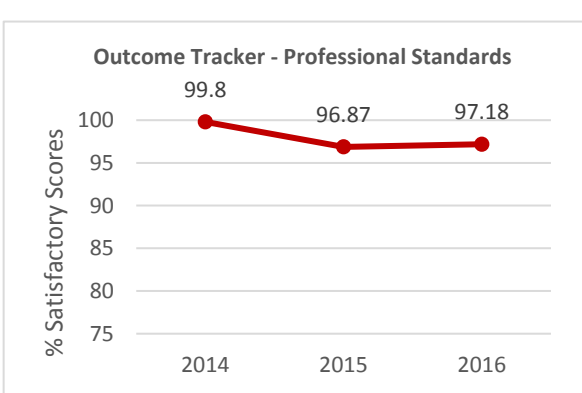
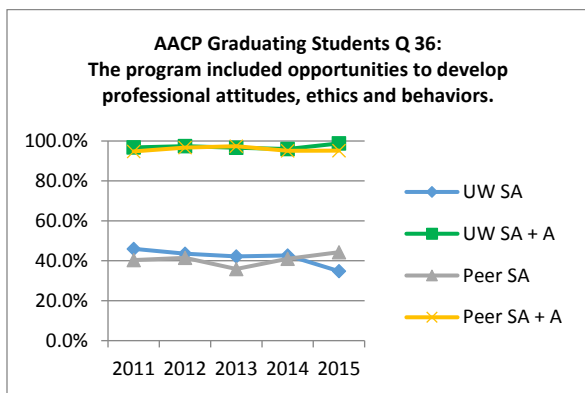
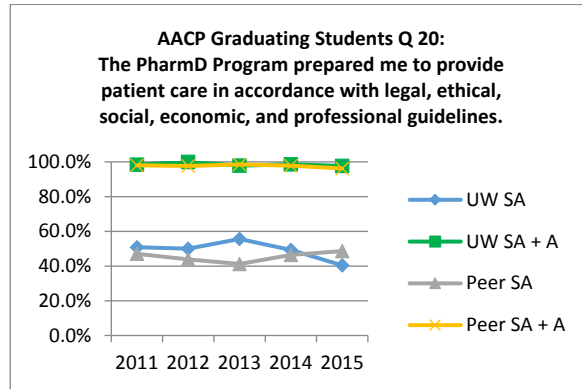
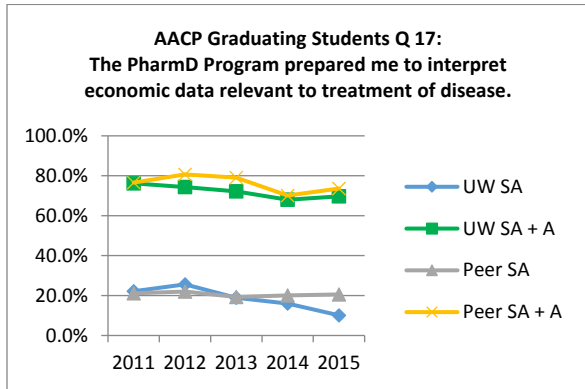


### 10. Practice Evaluation



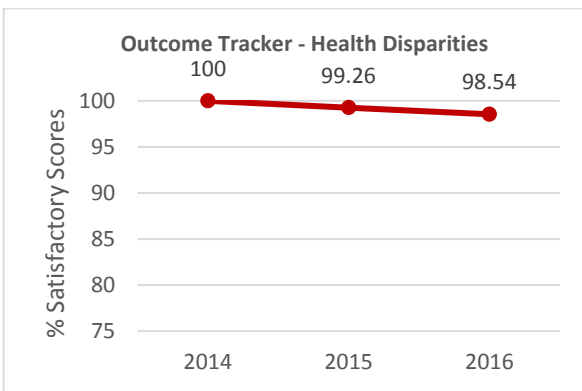
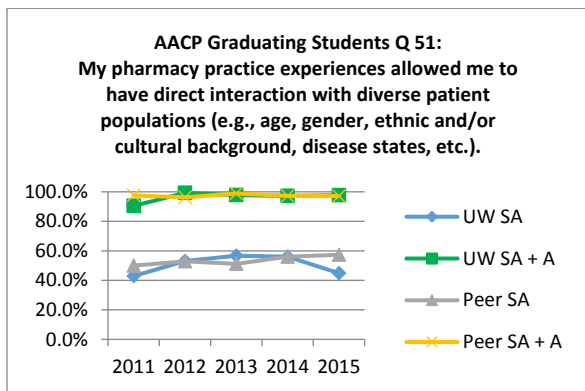
Outcome Tracker	2014	2015	2016
% Satisfactory	98.5%	100%	100%

### 11. Professional Standards



Outcome Tracker	2014	2015	2016
% Satisfactory	99.8%	96.87%	97.18%

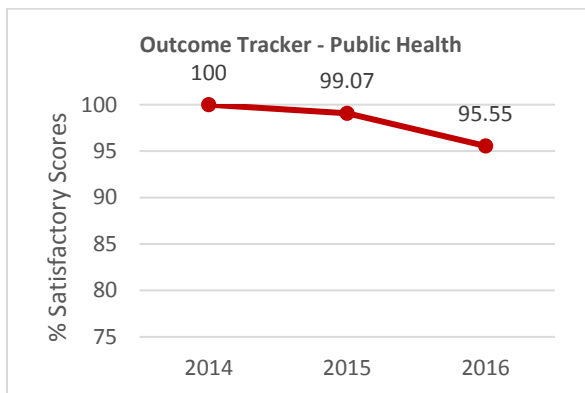
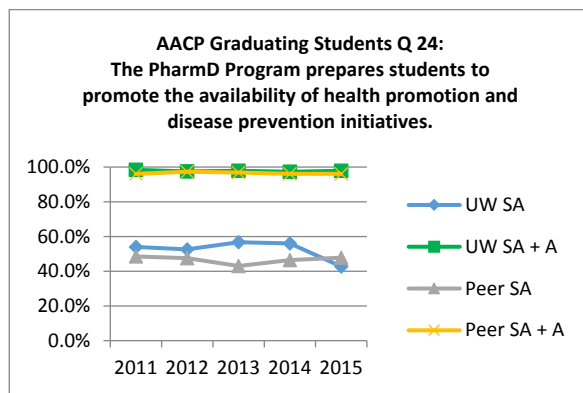
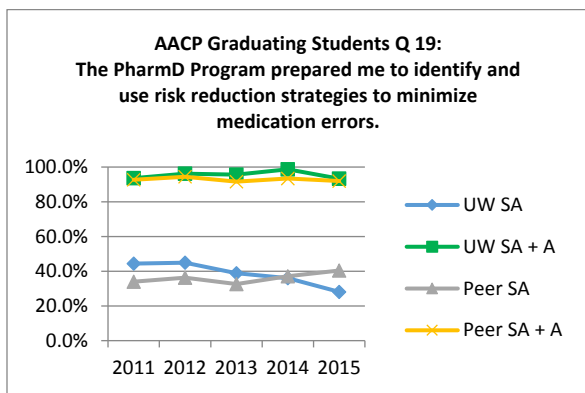
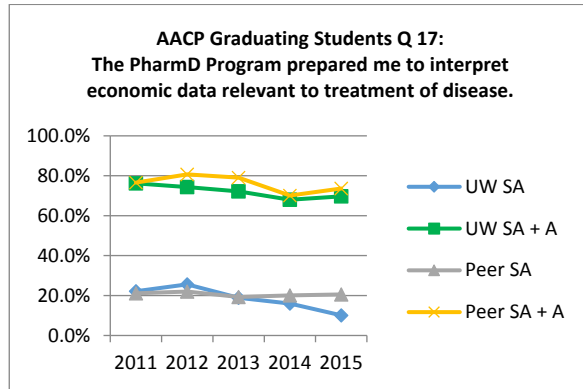
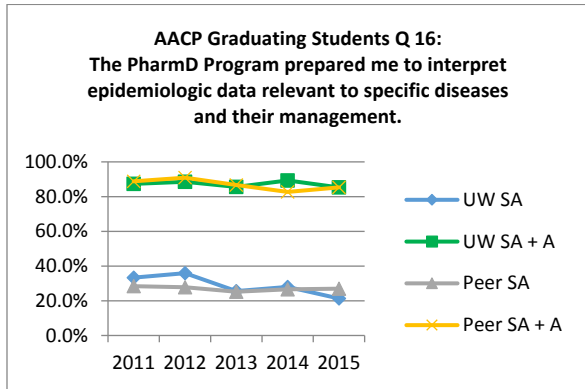
### 12. Health Disparities



Outcome Tracker	2014	2015	2016
% Satisfactory	100%	99.26%	98.54%

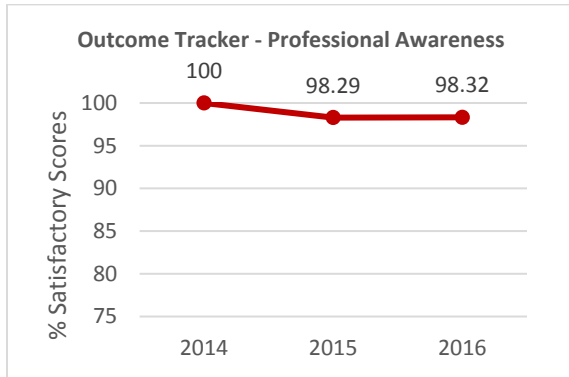


13. Public Health



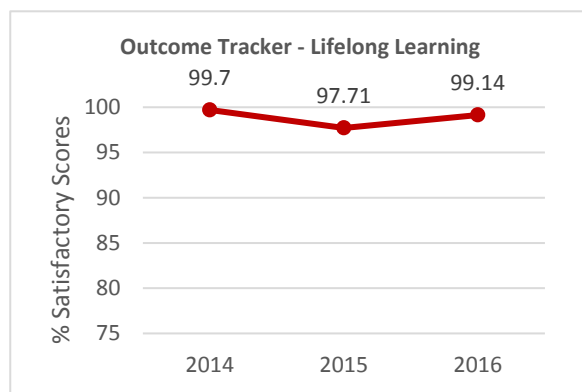
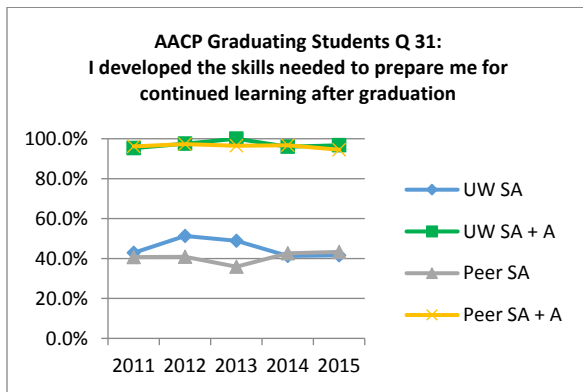
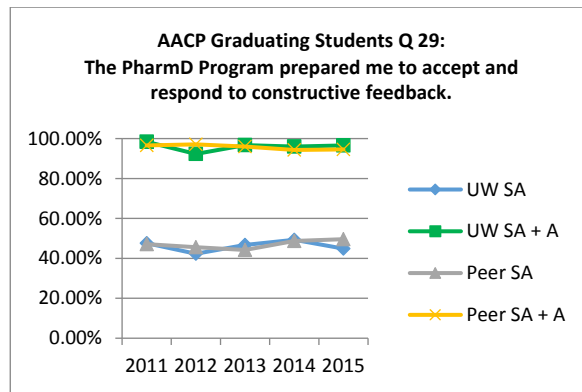
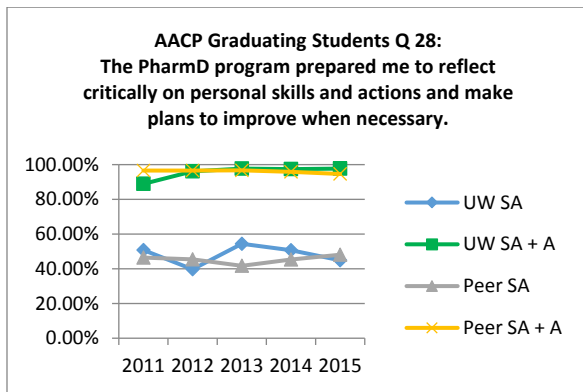
Outcome Tracker	2014	2015	2016
% Satisfactory	100%	99.07%	95.55%

14. Professional Awareness



Outcome Tracker	2014	2015	2016
% Satisfactory	100%	98.29%	98.32%

15. Lifelong Learning



Outcome Tracker	2014	2015	2016
% Satisfactory	99.7%	97.71%	99.14%