

Supplemental File 1. Pharmacy Intern Programs with Quantifiable Reported Outcomes

Reference	Program Type, Duration, # Interns	Stated Program Purpose	Quantifiable Findings Reported	Graduate Success																				
1	Acute Care (Cancer Hospital) Longitudinal, years 2-3 of pharmacy school 2 per year accepted, 3 classes graduated	"...have interns become well-prepared practitioners beyond their APPE who are well positioned for future opportunities in post-graduate education and health-system pharmacy."	<ul style="list-style-type: none"> • Cost savings of \$7236 in one year • Met goal of counseling greater than 90% of patients discharged on anticoagulation therapy • 2 interns counseled over 40 patients in one summer • Applications increased from 2 in 2011 to 30 in 2015 	100% retention rate in internship program 100% pursued postgraduate training																				
2	Community Summer, reapply each year 19 in first year 2013	"To increase knowledge, skills, and abilities after participation"	P1 and P2 interns in first summer completed: <ul style="list-style-type: none"> • Approximately 2500 BP and glucose screenings • Educated approximately 500 employees at biometric screening program 	6 of 7 eligible interns in 2013 returned following summer																				
3	Acute Care Longitudinal (implied, no data on interns reported) Intern numbers not reported	"Employ interns as pharmacy extenders to complete medication reconciliation"	<table border="1"> <thead> <tr> <th></th> <th>Intern</th> <th>Pharmacist</th> <th>P value</th> </tr> </thead> <tbody> <tr> <td># MR/day^a</td> <td>15.8</td> <td>3.8</td> <td><0.001</td> </tr> <tr> <td>Mean complexity factor/day^a</td> <td>1.17</td> <td>0.87</td> <td><0.001</td> </tr> <tr> <td>Average cost/MR^b</td> <td>\$6.10</td> <td>\$19.78</td> <td>n/a</td> </tr> <tr> <td>P value vs 100% MR policy compliance^{b,c}</td> <td>0.6527</td> <td>.8862</td> <td></td> </tr> </tbody> </table>		Intern	Pharmacist	P value	# MR/day ^a	15.8	3.8	<0.001	Mean complexity factor/day ^a	1.17	0.87	<0.001	Average cost/MR ^b	\$6.10	\$19.78	n/a	P value vs 100% MR policy compliance ^{b,c}	0.6527	.8862		Author did not collect or report graduate success
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4	Acute Care Longitudinal, 18 months average prior to 2005 then 3 years	"Provide doctor of pharmacy students with experiential learning while still completing their classroom studies"	<ul style="list-style-type: none"> • >500 drug therapy regimen evaluations per student • 200 interventions/student • 16 clinical practice guidelines developed • Teaching materials for 14 guidelines developed 	Of the 19 interns who completed the program: 63% (n=12) pursued pharmacy practice																				

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24 interns since 1998		<ul style="list-style-type: none"> • 13 quarterly assessments of implemented guidelines performed • 7 competency examinations for pharmacists developed • 18 posters presented at ASHP meetings • Proposal submitted to AACP for SHHS Secretary’s Award for Student Health Promotion 	<p>and/or specialty residency</p> <p>90% (n=17) working in advanced practice sites</p> <p>To date of publication all students continued internship until graduation</p>
5	Acute Care Longitudinal, years 1-3 of pharmacy school 25 interns since 2009	<p>“Optimize hospital resources by allowing interns to practice at the top of their licensure, fostering the development of clinical, personal, and professional skills”</p>	<p>Per 8-hour shift, interns</p> <ul style="list-style-type: none"> • Check average 300 unit-dose medications • Check approximately 100 premade injectables <p>Authors report the majority pursued pharmacy practice residencies or leadership roles in places of employment</p>

MR = medication reconciliation, BP = blood pressure, OTC = over the counter

^a Compared to pharmacists completing medication reconciliations before interns were hired and before change in hospital medication reconciliation policy

^b Compared to pharmacists completing medication reconciliations in the same time period

^c Policy implemented requiring all patients to have a completed medication reconciliation within 24 hours of admission