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### Does Structured Quality Improvement Training for Residents Increase QI in Practice?

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## Does Structured Quality Improvement Training for Residents Increase QI in Practice?

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# Does Structured Quality Improvement Training for Residents Increase QI in Practice?

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# Disclosures

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# Implementing a QI Curriculum

- Formal curriculum developed to train FM residents in QI knowledge and skills
- Year 1: Family Medicine faculty trained in QI theory and design
- Years 2 & 3: Two groups of second year (PGY2) residents from 3 affiliated residency clinics trained in QI theory and design and conducted QI projects in clinics

# Faculty & Resident Training

- Faculty participated in 7- 1.5hr workshops
  - Literature searching, critical appraisal, health disparities, rural health promotion, Healthy People 2010, cultural competency, and health literacy
  - Interactive comprehensive QI workshop
- PGY 2s participated in full day QI training seminar.
  - EBM, learning to build questions, effective literature searching, critical appraisal, introduction to QI, PDSA
- Developed QI Action Plan with Faculty Champion.
  - Shared QI project results approximately 6 mos later.

# Training Results

- Self-assessed QI proficiency
  - improved after day-long training workshop
- QIKAT - Measured the effects of QI project participation on QI knowledge and skills application
  - scores did not improve following QI project participation in residents in Year 1
  - QIKAT scores did improve in residents in Year 2

# QI in Practice

- Surveyed 2006-2012 residency graduates regarding their QI experience in practice.

- n=47

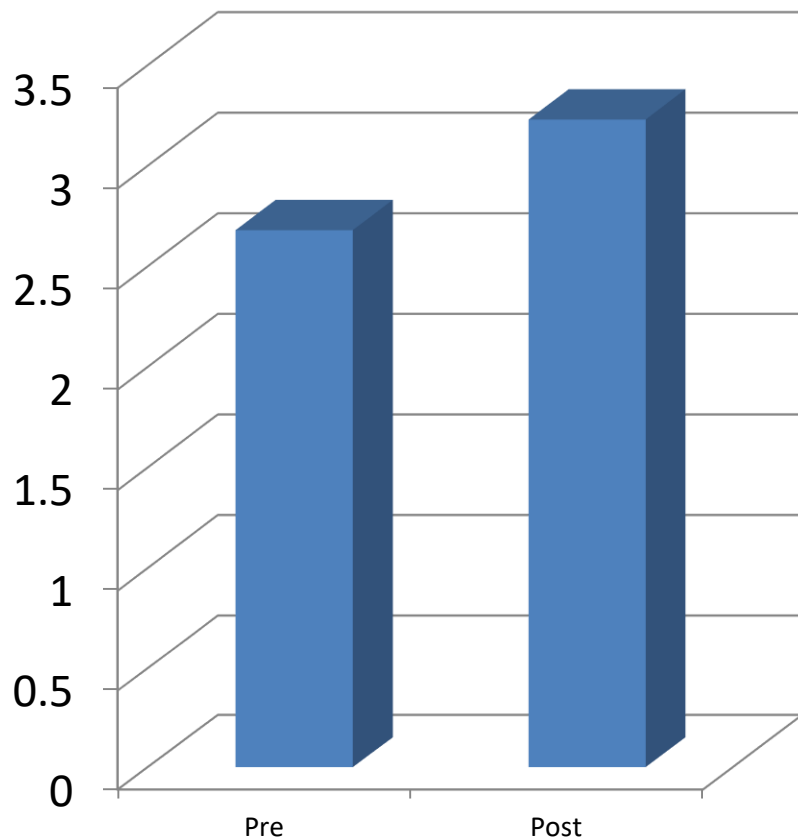
Item	%
Received QI training	48.9
PCMH recognition	37.5
Practice has EHR	84.4
Able to get reports on patients from EHR	77.8
Practice has QI Team	53.1
Currently involved in QI projects	25.5



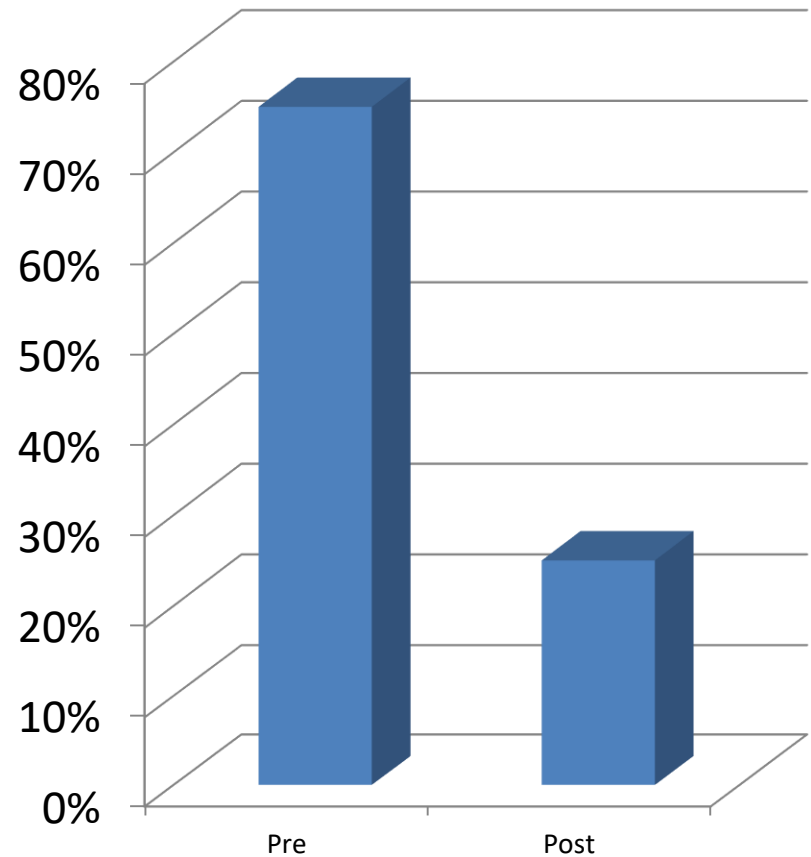
## How comfortable are you with your current skills to implement a structured QI plan to test a change?

Item	Yes	No	<i>p</i>
Received QI training	3.30	3.13	.58
PCMH recognition	3.25	2.95	.47
Practice has EHR	3.11	2.80	.57
Able to get reports on patients from EHR	3.29	2.50	.16
Practice has QI Team	3.06	3.00	.90
Currently involved in QI projects	3.67	3.06	.10

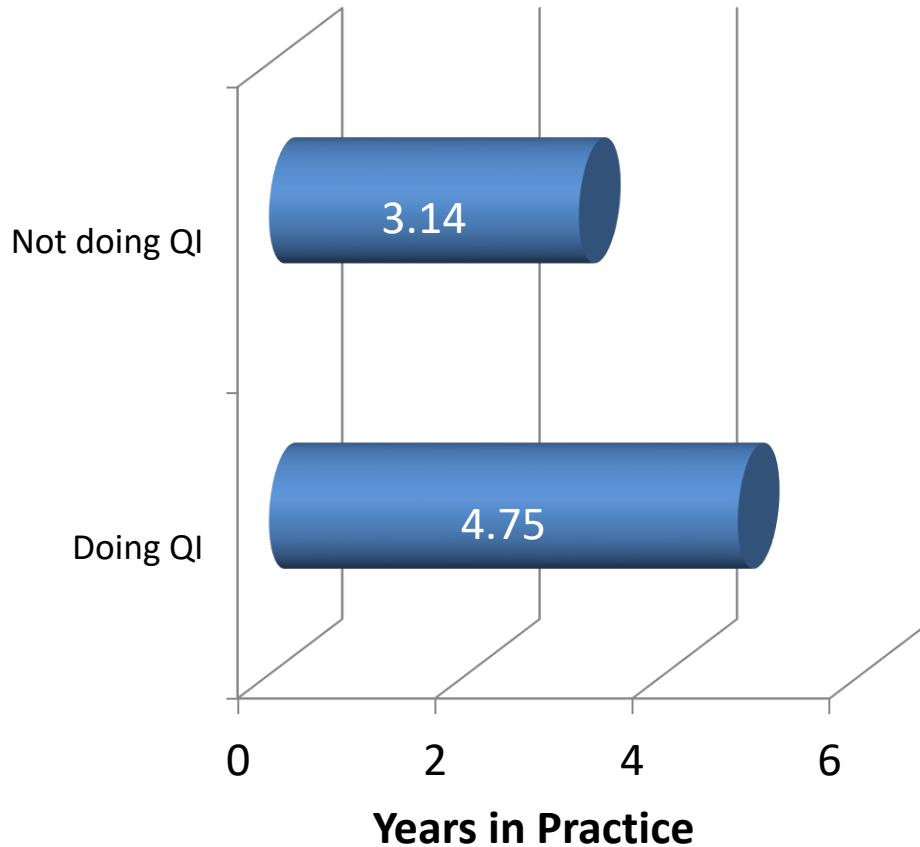
How well did your training as a resident at ETSU Family Medicine prepare you for QI projects in your practice now?



Currently Involved in QI Projects in Practice



# So what's going on?



- Graduates involved in QI projects had been in practice significantly longer than those not involved in QI
- $t(1, 45)=2.41, p=.02$

# Recap

- QI Skills
  - No difference btwn groups
- Residency Training
  - Formal curriculum rated higher
- QI Participation
  - No formal curriculum more active
  - Those in practice longer doing more

# What should we be doing?

- Addressing why better perceived training does not lead to improved skills perception
  - Does practice make perfect?
- How can training increase project activity in practice?
  - Is it relevant?

# Future Research Directions

- Follow-up with graduates to determine if QI involvement increases with practice
  - Do graduates that received structured QI training participate in projects sooner in practice?
  - Will graduates perceived skills increase with practice?

Questions?

Comments?

