



RUSH UNIVERSITY MEDICAL CENTER

# Medical Student Self-Assessment of Clinical Skills

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# BACKGROUND

- Medicine requires accurate self-assessment for life-long learning
- Overall, accurate self-assessment is poor among:
  - Medical students<sup>1</sup>
  - Health professions students<sup>1</sup>
  - Practicing physicians<sup>2</sup>

<sup>1</sup>Ward, Adv Health Sci Educ, 2002.

<sup>2</sup>Davis, JAMA, 2006.

# PURPOSE

Med student  
self-assessment

Performance  
on OSCE

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Focus on low-performers

# FORMAT

- May, 2006
- M3 students (n = 118)
- 6-station OSCE at UIC CPC
  - 15 minutes: Focused H&P
  - 10 minutes: Focused note
  - 5 minutes: SP Feedback on CIS\*
  - 5 minutes: Move to next case

# CASES

- 35 yo man with shortness of breath
- 23 yo woman with abdominal pain
- 45 yo woman with chest pain
- Parent of 15 mo old boy with vomiting
- 65 yo man with back pain
- 21 yo woman with chlamydia
- 30 yo man with joint pain

# FORMAT

<b>Component</b>	<b>Objective Assessment</b>	<b>Self-Assessment</b>
History	SP Checklist	Scale 1-10
Physical Exam	SP Checklist	Scale 1-10
Note-Writing	Faculty	Scale 1-10
Communication & Interpersonal Skills	SP Checklist	Scale 1-10

# REMEDIATION

- Remediation required for students with scores less than 2 standard deviations below the mean:
  - Review his/her videotape
  - Meet individually with faculty
  - Participate in 3-station OSCE
- 11 students
- 14 unsatisfactory scores

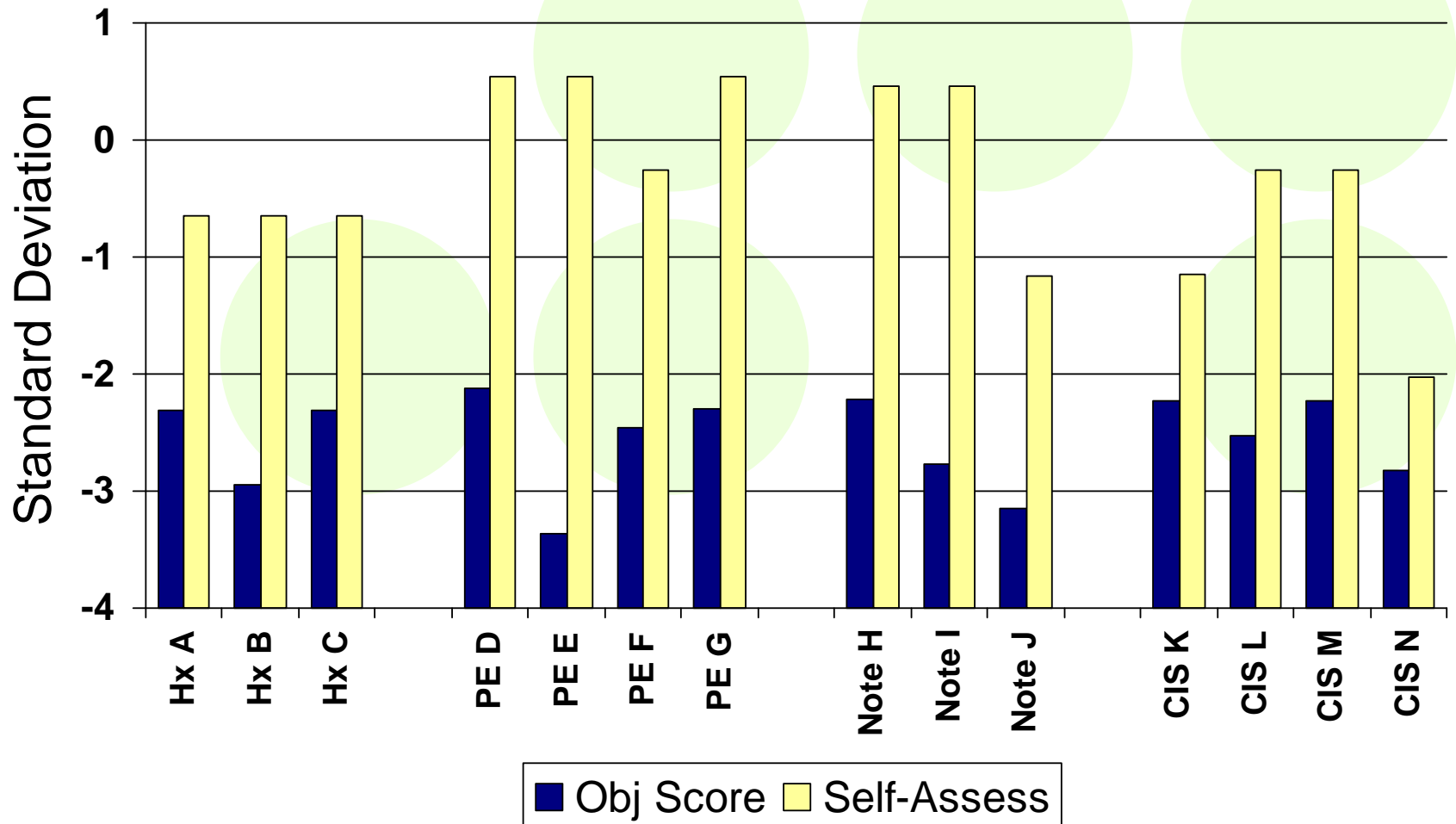
# RESULTS

N = 118

	<b>Obj Score</b>	<b>Std Dev</b>	<b>Self- Assess</b>	<b>Std Dev</b>	<b>Corr</b>
<b>History</b>	7.06	0.63	7.79	1.23	0.25
<b>PE</b>	4.68	1.21	7.32	1.27	-0.02
<b>Note</b>	7.30	0.54	7.43	1.23	-0.04
<b>CIS</b>	7.86	0.34	8.30	1.13	0.36

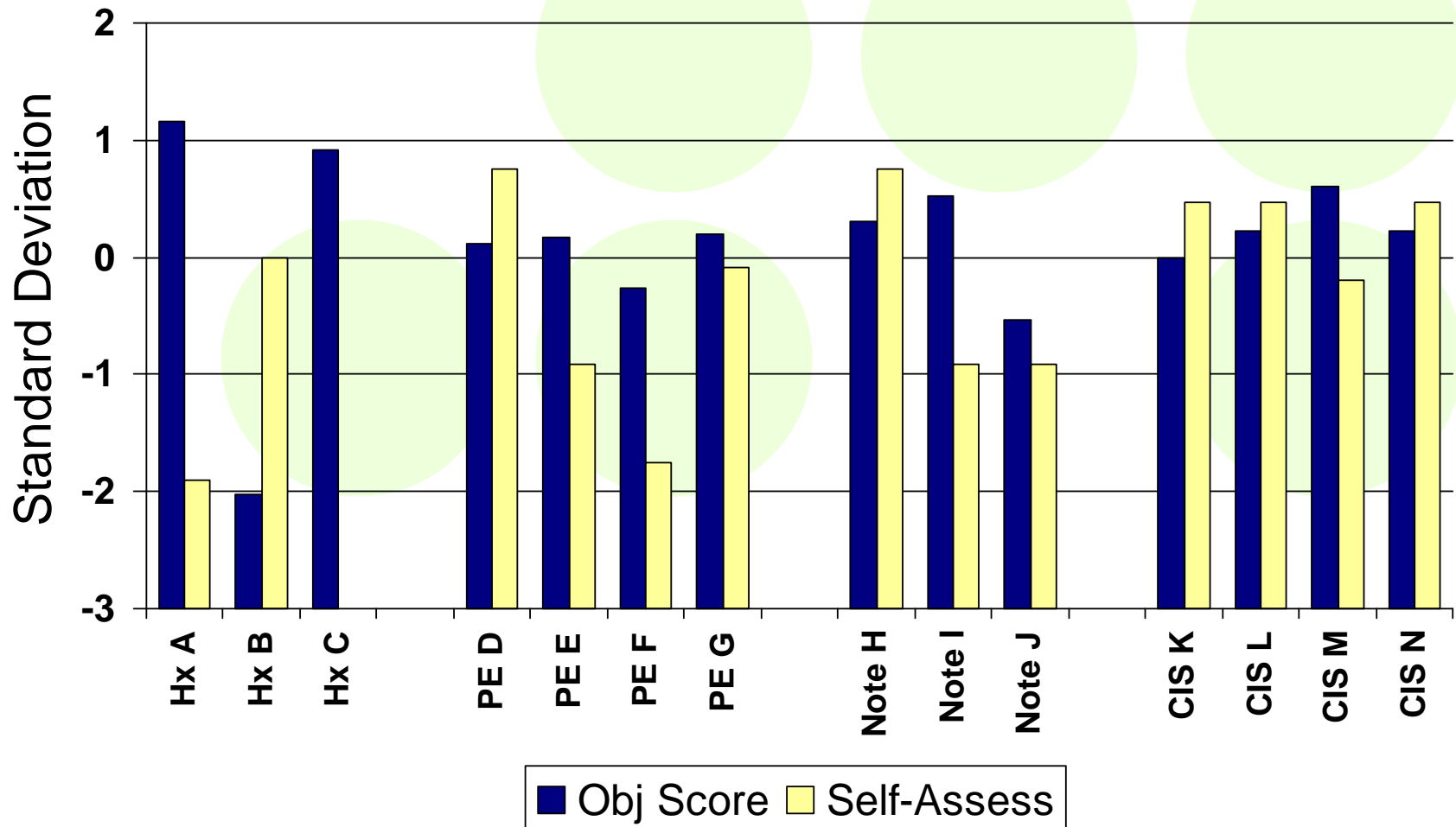
# RESULTS

## OSCE Results for Lowest-Performing Students



# RESULTS

## Remediation Results for Lowest-Performing Students



# LIMITATIONS

- No gold-standard for performance
- Unspecified standard for self-assessment
- Individual student interpretation of scale
- Small remediation sample size

# CONCLUSIONS

- Modest correlation for history & CIS  
(corr 0.25 and 0.36)
- No correlation for PE & note-writing skills  
(corr -0.02 and -0.04)
- Lowest performing students inaccurate  
in self-assessment, but improved after  
remediation

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