



London Health Sciences Centre

Southwest Ontario Regional Base Hospital Program



# Cut Scores

## 2010–2011

### Recert

### Post–Course Test

# Objectives

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At the end of this session, the content expert should be able to:

- Define when and why a cut score is used.
- Demonstrate how to determine a cut score for a provided written evaluation.
- Evaluate the difficulty of test items and rate probabilities as per the Modified Angoff Method.
- Calculate a cut score when provided with data.

# Cut Scores

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- Minimum Score required to pass a written evaluation.
- Why?
  - Significantly increases reliability

# Cut Scores

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- Method
  - Experts judge individual test question difficulty
- Easy test = higher cut score
- Hard test = lower cut score

# Cut Scores

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- Target Audience:
  - Minimally competent medic
  - Can he/she answer the item in question?

# Cut Scores

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- Rate each test item
  - Answers Correctly: 1 point
  - Answers Incorrectly: 0 points



# Cut Scores

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- Example:
  - Which of the following indicates the number of doses of NTG that a PCP can give a patient experiencing Ischemic Chest pain (assume the patient fits the parameters of the medical directive)?
    - A. 4
    - B. 6
    - C. 10
    - D. 12

# Cut Scores

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- Example:
  - Which of the following is affected in a patient suffering from a pulmonary embolism?
    - A. Inadequate ventilation
    - B. Inadequate external respiration
    - C. Inadequate perfusion
    - D. Inadequate internal respiration

# Cut Scores

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Expert Name:										
	Q#1	Q#2	Q#3	Q#4	Q#5	Q#6	Q#7	Q#8	Q#9	Q#10
Rating										

# Cut Score

Expert Name:	Q#1	Q#2	Q#3	Q#4		
S.Romano	1	1	0	0		
D.Vusich	1	1	1	0		
D.Cottell	0	1	1	0		
Mean	0.66	1	0.66	0	Sum	2.32

## Experts Recommended:

- 2.32 / 4 Questions to Pass
- 58% Cut Score

# Cut Scores

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- Round 1 → Discussion → Round 2
- Discussion
  - Group of experts discuss each test item
- Round 2
  - Repeat of Round 1

# Cut Scores

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- Questions???