



# Cytology Time Measure Study

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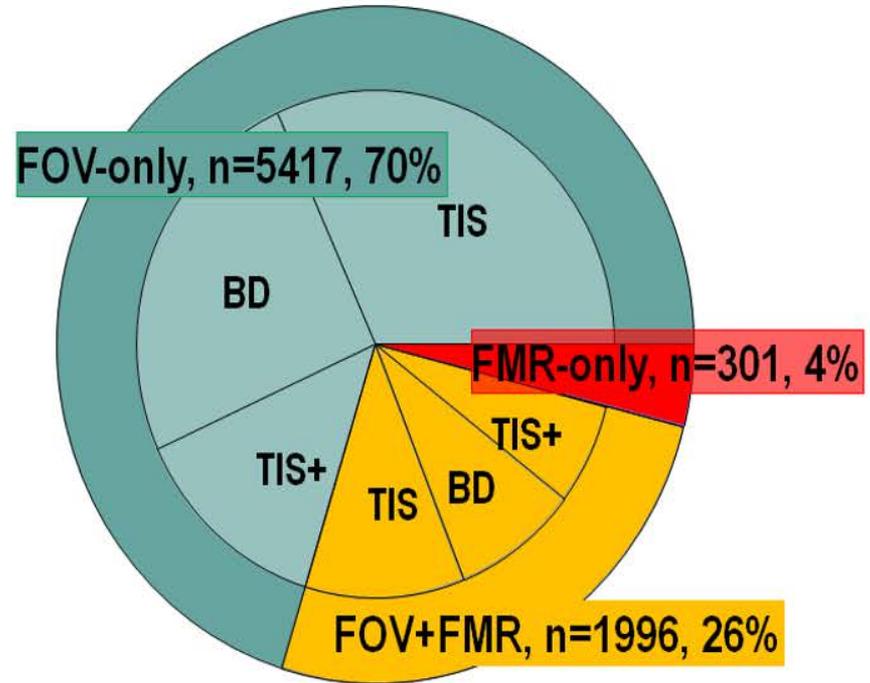
Clinical Laboratory Improvement Advisory Committee Meeting  
November 2, 2016

# Terms

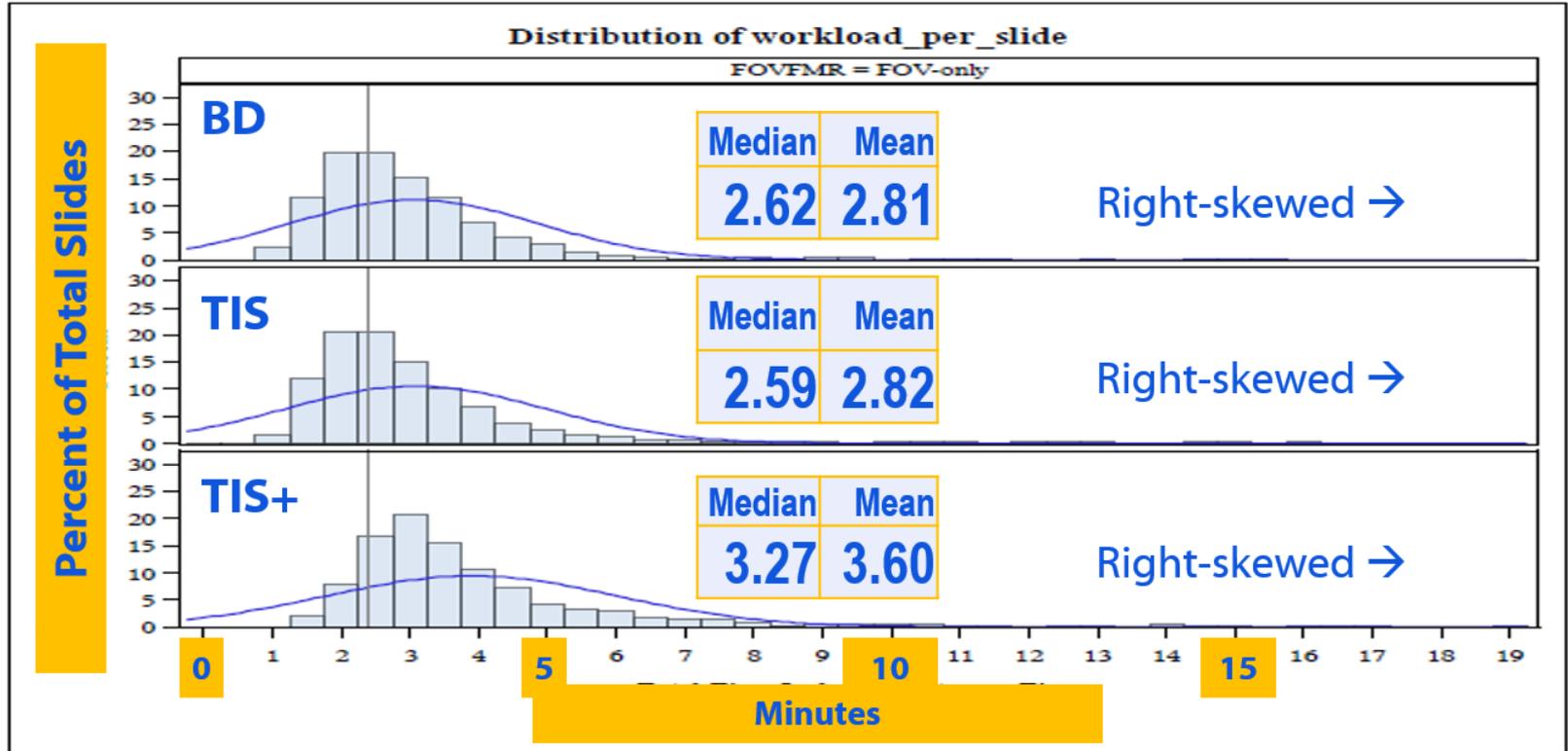
- CS = Case-setup Tasks
- FOV = Image Review, “Field of View”
- FMR = Full Manual Review
- CC= “Case Complete” tasks
- TtN=BT= Time till Next Slide, aka Between Time
- Total Screening Time = sum of 3, 4, or 5 task times, generally clear from context

# Slide-Review Decision: FOV, FMR, Both

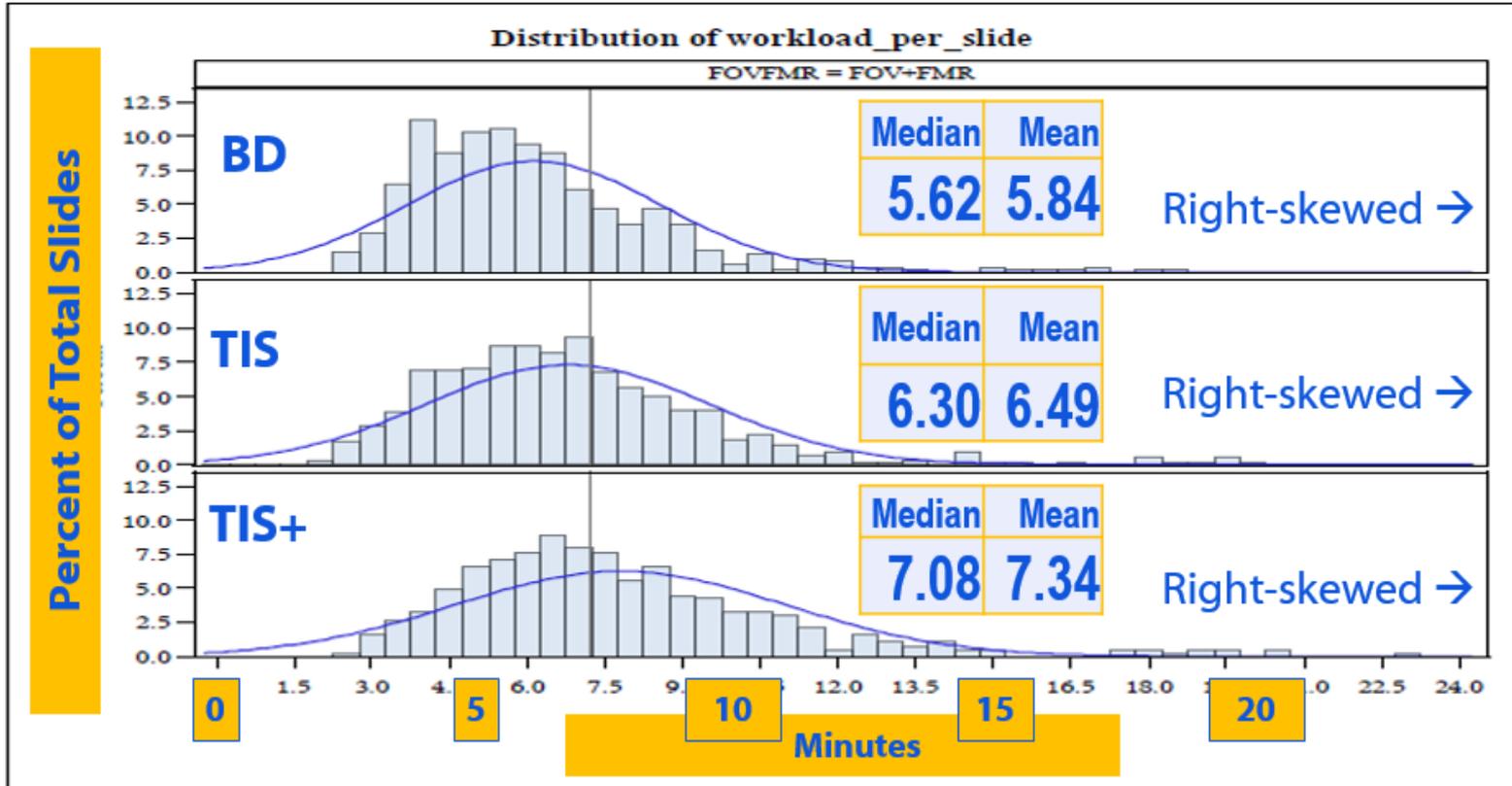
Slide Review Decision by Equipment Type				
FOV/FMR Frequency	Equipment			
	BD	TIS	TIS+	Total
FOV-only	1927	2451	1039	5417
FOV+FMR	653	840	503	1996
FMR-only	175	86	40	301
<b>Total</b>	<b>2755</b>	<b>3377</b>	<b>1582</b>	<b>7714</b>



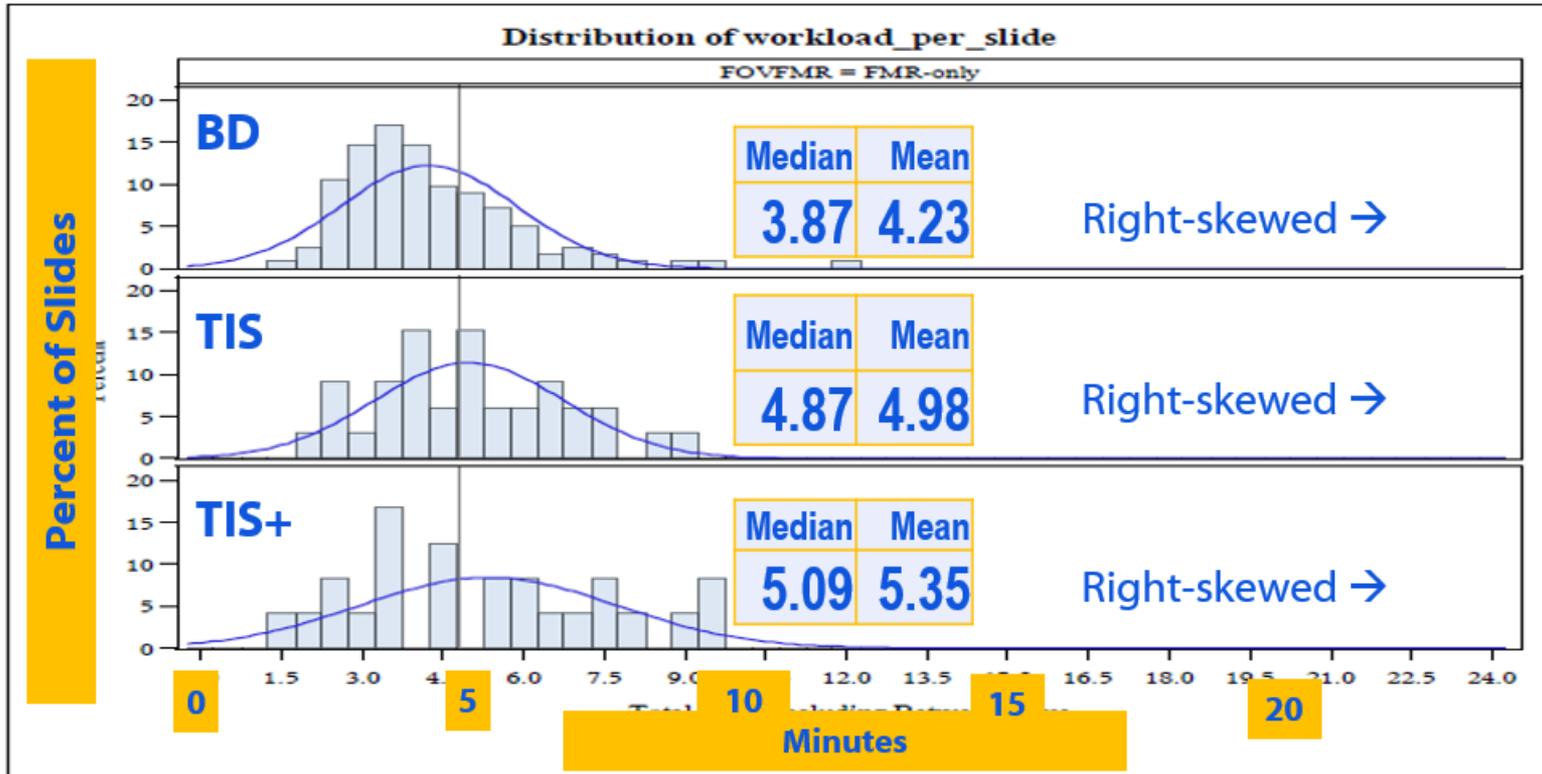
# Time Distributions and Statistics for FOV-only



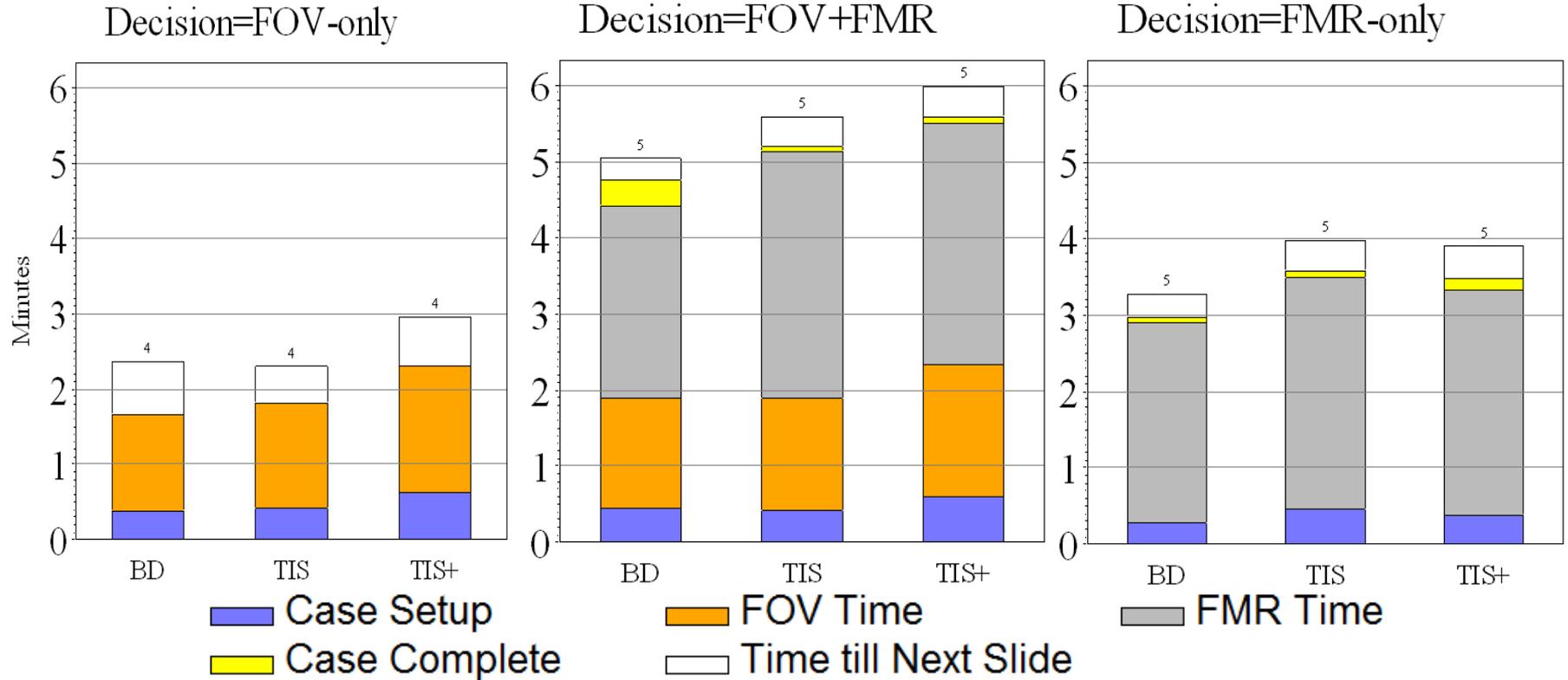
# Time Distributions and Statistics for FOV+FMR



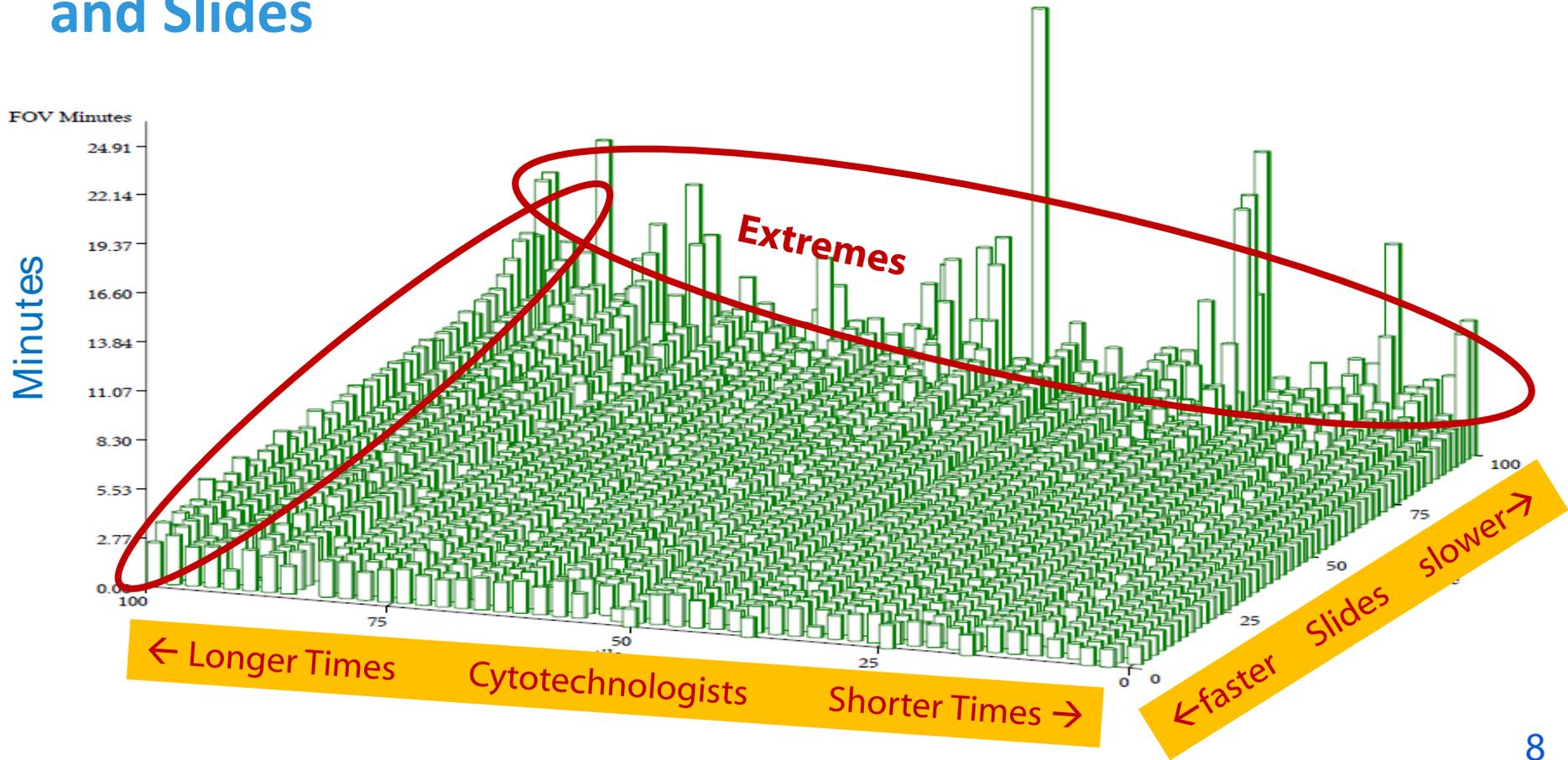
# Time Distributions and Statistics for FMR-only



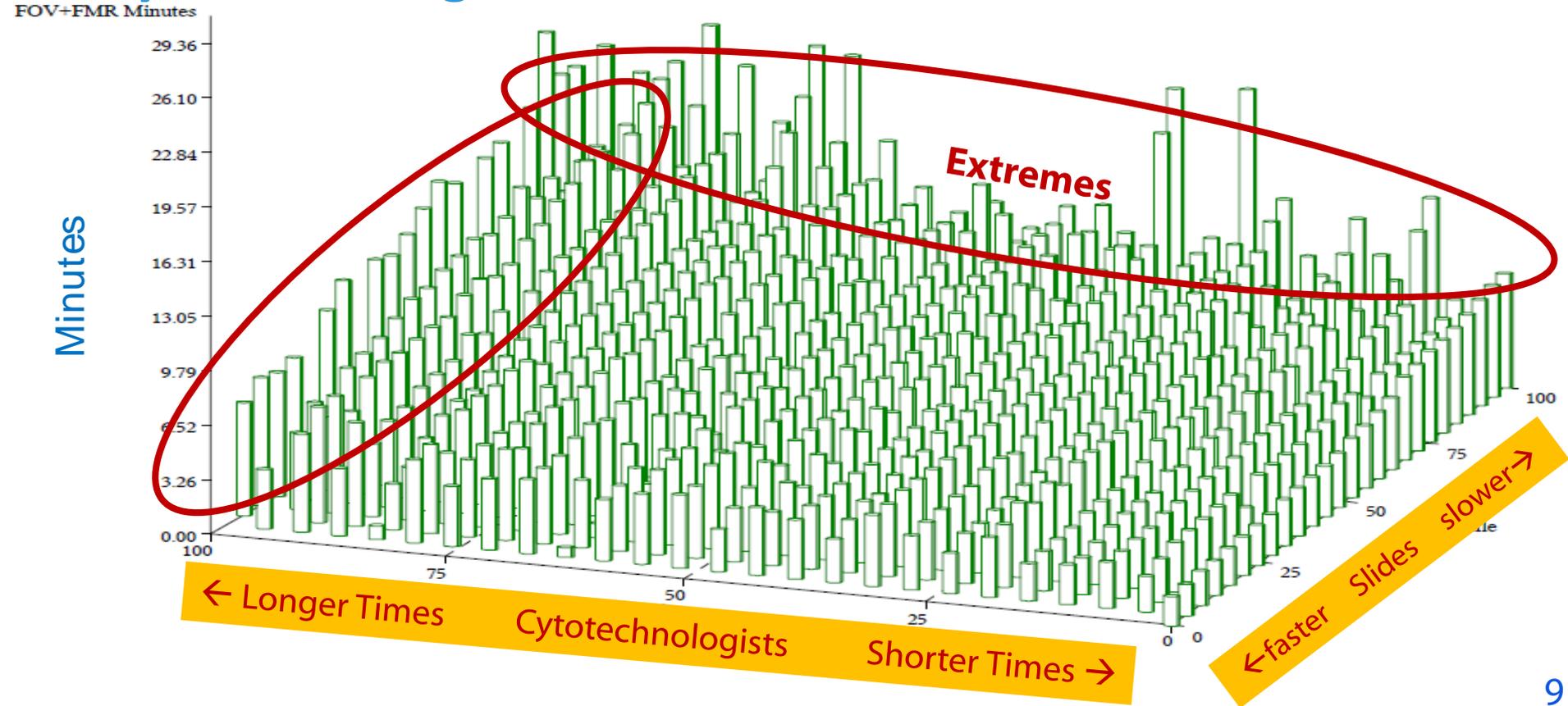
# Median Times by Equipment Type and Screening Step



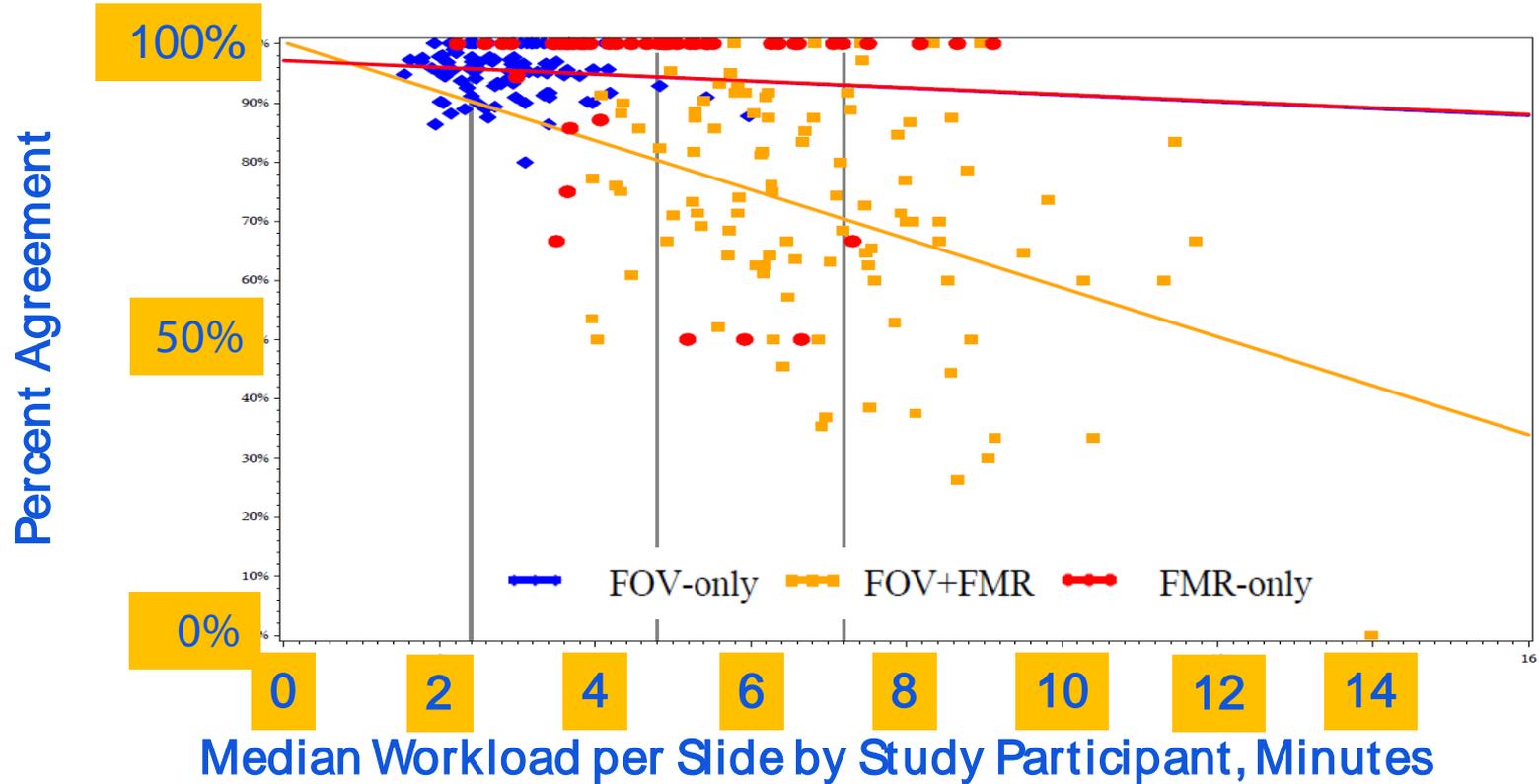
# FOV Times (FOV-only Slides) across Cytotechnologists and Slides



# FOV+FMR Times (FOV+FMR Slides) across Cytotechnologists and Slides



# Diagnosis Agreement versus Time Spent on Slide



# Summary Points

- 1.** The decision for FMR is a key determinant of daily workload.
- 2.** The time distributions are not statistically Normal; there are a small number of much-higher times than most.
- 3.** There was general agreement between participant's and observer's diagnoses.

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