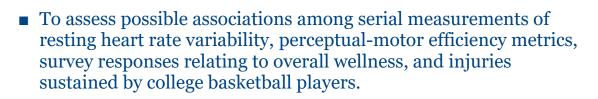
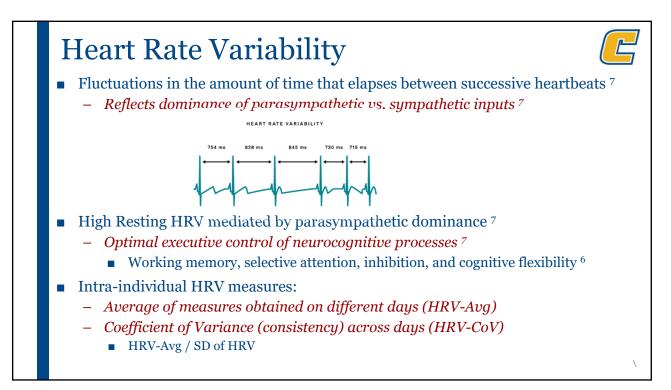




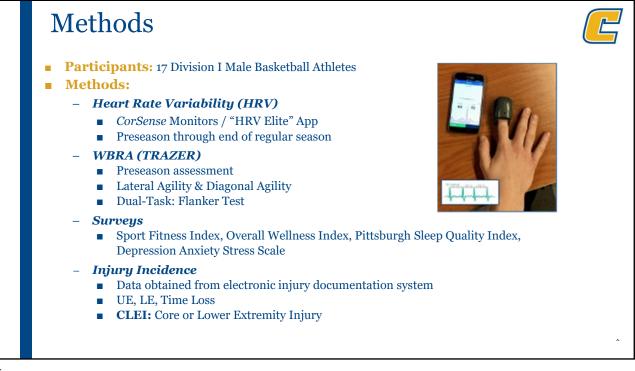
## Purpose

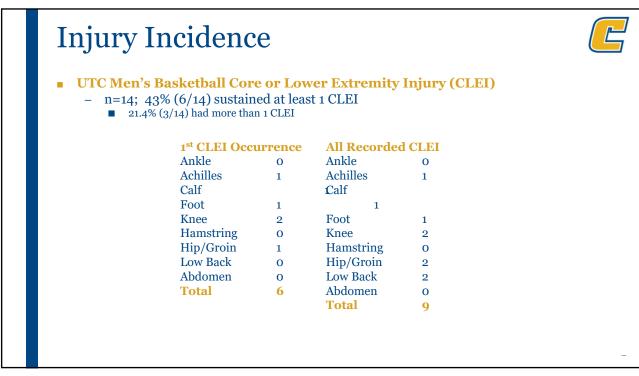




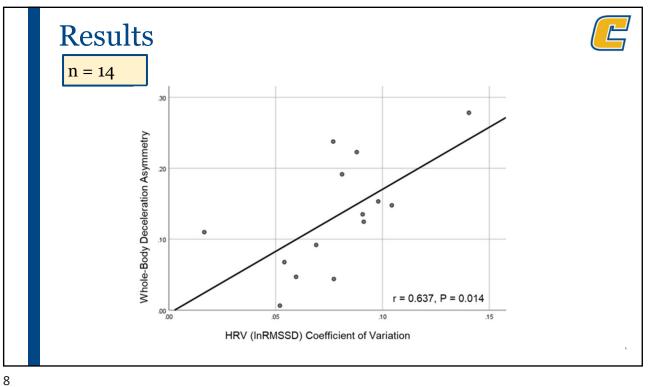






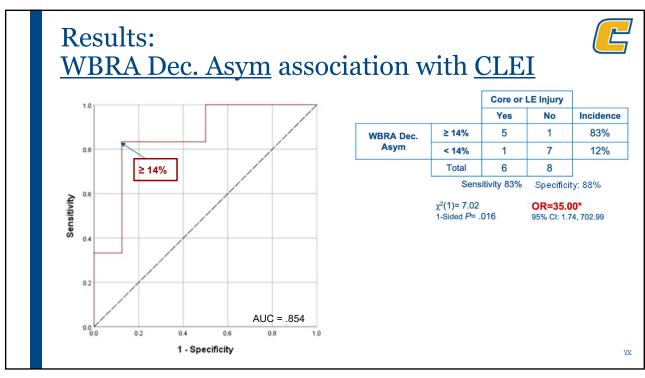


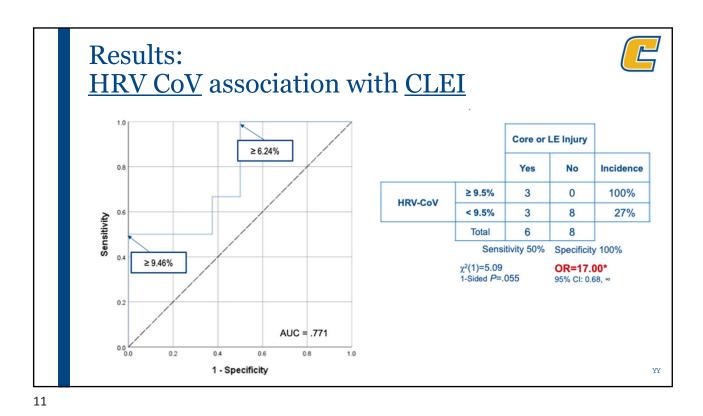


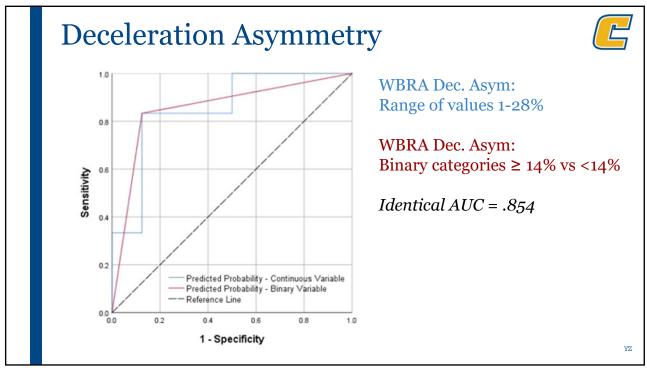


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Predictor Variable	AUC	Cut-Point	Sensitivity	Specificity	OR	95% CI
WBRA Deceleration Asymmetry	.854	≥ 14%	.83	.88	35.00	1.74, 702.99
HRV Coefficient of Variance	.771	≥ 9.5%	.50	1.00	17.00*	0.68, ∞
Self-Reported Concussion Hx	-	≥1	.50	.88	7.00	0.50, 97.75
Sport Fitness Index – Item 8	.740	≤2	.80	.63	6.67	0.49, 91.33
Sport Fitness Index – Item 5	.688	<1	.67	.63	3.33	0.37, 30.70
Overall Wellness Index	.542	≤ 90	.83	.50	5.00	0.039, 64.39







## 3-Factor Predictor Model



## 1. WBRA Deceleration Asymmetry (≥ 14%)

- 2. HRV Coefficient of Variation (≥ 9.5%)
- **3.** Concussion History ( $\geq$  1)

Risk Factors	Injury	No Injury	Incidence	
0	0	3	0%	
1	1	4	25%	
2	2	1	67%	
3	<b>3</b> 3		100%	
Total 6		8	43%	

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