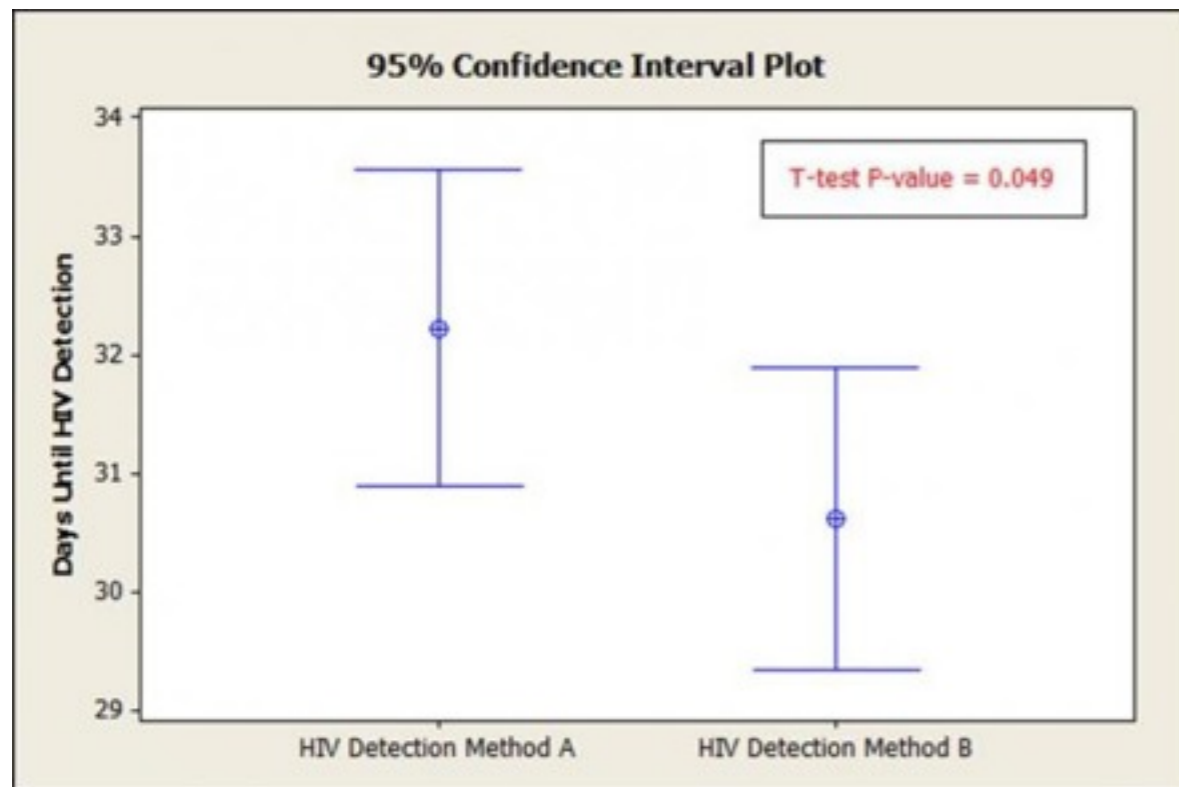


## 95% Confidence Interval plots & 95% confidence intervals for relative risk and odds ratio



Ask Mish



RELATIVE RISK	95% Confidence Interval	INTERPRETATION
1.48	(1.10 - 2.20)	statistically significant
1.69	(0.80 - 2.43)	not stat. significant
0.73	(0.55 - 0.94)	statistically significant

- Q: Assuming the graph in the left presents 95% C.I. are the two HIV detection methods different from each other?
- A: When comparing 2 groups **any overlap of C.I.** means the groups are **not statistically different**. Therefore, method A and method B are no different in HIV detection.
- Q: When are the C.I for RR or odds ratio not statistically significant? (see table on left)
- A: **If the given C.I contains 1.0** then there is **no statistically effect** for the exposure, meaning **RISK is the SAME**. When C.I. contains no 1.0 then there is a statistically significant **INCREASED RISK**.