

Can we pool throat, anal and urine samples when screening men having sex with men for *Chlamydia trachomatis* and *Neisseria gonorrhoeae* using the Aptima Combo 2 assay?

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Background, Aims, Methods

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Asymptomatic MSM are screened for CT/NG by triple site testing with TMA

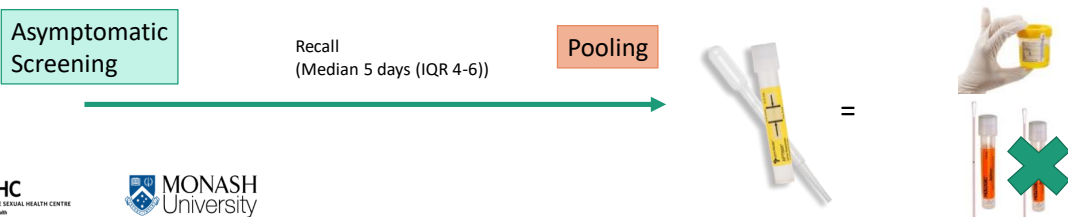


Testing 3x individual sites → 3x the cost of screening, compared to a single pooled specimen

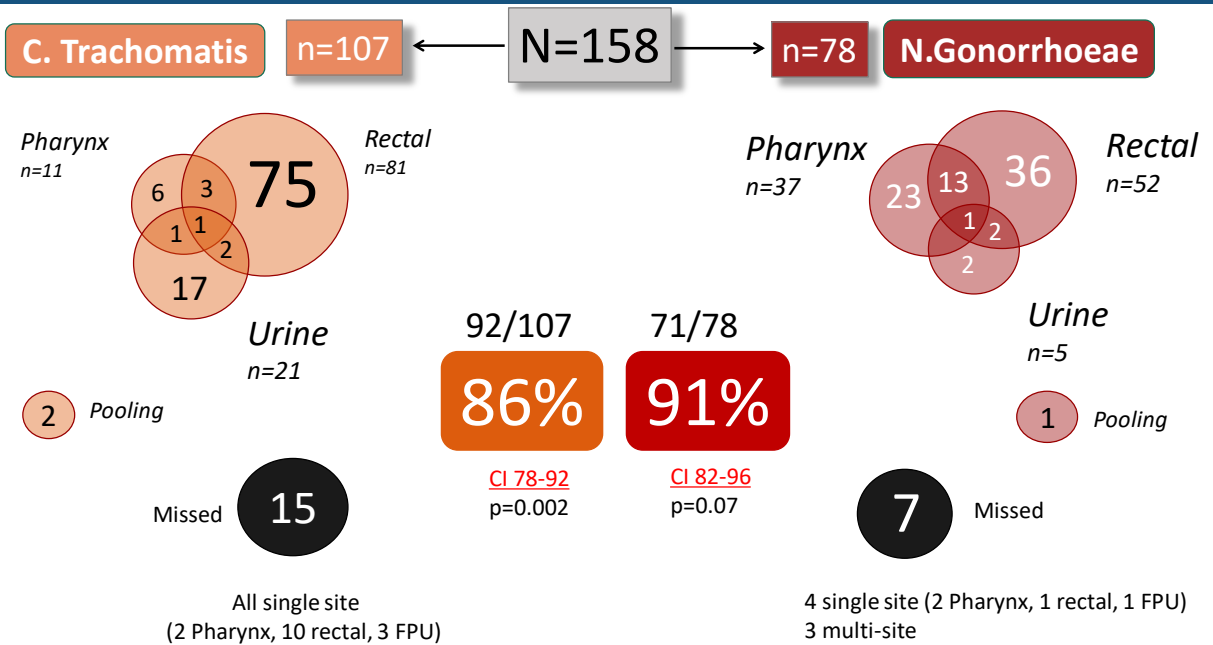
Aim: To calculate the sensitivity of clinician collected pooled specimen testing for CT and NG against the expanded gold standard using Aptima Combo 2 Assay

Methods:

- ☒ MSM (>18 years) who test positive for CT or NG during asymptomatic screening
- ☒ McNemar test for matched pairs
- ☒ Exclusion criteria: Receiving antibiotics in the past four weeks



Results



Conclusion

Can we pool throat, anal and urine samples when screening men having sex with men for *Chlamydia trachomatis* and *Neisseria gonorrhoeae* using the Aptima Combo 2 assay?

Take home message:

Using pooling, three times as many MSM can be screened for the same cost at the expense of missing 10-20 % of infections

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Authors	Diagnostic Assay	Methods	CT Sensitivity	NG Sensitivity
Durukan et al 2018	Aptima Combo 2	Clinician Collected	86%	90%
Sultan et al 2016	Aptima Combo 2	Self Collected	92%	90%
Speers et al. 2017	GeneXpert	Self and clinician collected	100%	94%