

Rapid Syphilis Testing for Men Who Have Sex With Men- Draft October 17, 2018

Supplemental Table: Comparison of RST to TPPA among 409 MSM whom had both tests completed, Denver, April 1, 2016 - January 17, 2018

RST Result	TPPA		Total
	Positive	Negative	
Positive	3	8	11
Negative	4	394	398
Total	7	402	409
RST Reliability	% (95% Confidence Interval)		
Sensitivity	42.8 (6.2, 79.5)		
Specificity	98.0 (96.0, 99.1)		
Negative Predictive Value	98.9 (98.0, 99.9)		
Positive Predictive Value	27.3 (6.0, 61.0)		

Comparison of RST to TPPA

Of the 693 screened with RST, 409 had additional testing with TPPA regardless of the RPR result. As shown in the table above, RST fared poorly in comparison to TPPA. Of those with negative RST and positive TPPA, RPR was non-reactive in three and the fourth had a very low titer. Two were ultimately deemed to be false positives based on FTA results; the other two were diagnosed with late latent syphilis and treated appropriately. However the overall number included in this analysis is quite small thus the application of this comparison is somewhat limited.