

Supplemental Table S4. Most Influential Variables

	Mean Change in Costs		Mean Change in QALYs		Mean Change in Life-Years	
	vs SOC 1	vs SOC 2	vs SOC 1	vs SOC 2	vs SOC 1	vs SOC 2
Most Influential						
1	Cost of hrHPV test, pooled	% ASCUS+ among women with any grade CIN or ICC	% ASCUS+ among women with any grade CIN or ICC	% ASCUS+ among women with any grade CIN or ICC	% ASCUS+ among women with any grade CIN or ICC	% ASCUS+ among women with any grade CIN or ICC
2	Cost of hrHPV test, genotyping	Time preference discount rate	% DS positive, among women with any grade CIN or ICC	Risk of progression from CIN 2	% DS positive, among women with any grade CIN or ICC	Risk of progression from CIN 2
3	Time preference discount rate	Cost of DS Test	Risk of progression from CIN 1	% DS positive, among women with any grade CIN or ICC	Risk of progression from CIN 1	% DS positive, among women with any grade CIN or ICC
4	Risk of progression from hrHPV 12 other	Probability of clearing hrHPV 12 other+ infection	Time preference discount rate	Risk of progression from CIN 3	Risk of progression from CIN 2	Risk of progression from CIN 3
5	Probability of clearing hrHPV 12 other+ infection	% ASCUS+ among women with normal histology	Risk of progression from hrHPV 12 other	Probability of CIN 2 regression	Risk of progression from CIN 3	Probability of CIN 2 regression

Range of outcomes did not cross zero in any of the one-way sensitivity analyses tested.

Abbreviations: ASCUS, atypical squamous cells of undetermined significance; ASCUS+, ASCUS or LSIL or HSIL; CIN, cervical intraepithelial neoplasia; DS, p16/Ki-67 dual-stained cytology; hrHPV, high-risk human papillomavirus; HSIL, high grade squamous intraepithelial lesion; ICC, invasive cervical cancer; LSIL, low grade squamous intraepithelial lesion; SOC 1, primary hrHPV pooled and cervical cytology co-testing with reflex to hrHPV genotyping; SOC 2, primary hrHPV genotyping and cervical cytology co-testing with no reflex; QALY, quality-adjusted life-year.