

**S5 Table.** Predicted cervical cancer incidences and PIFs by Korean vaccination scenarios in 20s (2021-2040)

	2021-2025			2026-2030			2031-2035			2036-2040		
	No. of cases	Rate (×100,000)	PIF (%) (95% CI)	No. of cases	Rate (×100,000)	PIF (%)	No. of cases	Rate (×100,000)	PIF (%)	No. of cases	Rate (×100,000)	PIF (%)
Scenario 1												
Crude	391	2.578	-	294	2.290	-	230	1.970	-	217	1.961	-
Standardized		2.400	-		2.113	-		1.940	-		1.859	-
Scenario 2												
Crude	386	2.545	1.30 (-12.59 to 15.18)	245	1.906	16.76 (2.65 to 30.88)	95	0.811	58.84 (48.98 to 68.70)	77	0.693	64.66 (55.47 to 73.86)
Standardized		2.363	1.55 (-12.81 to 15.92)		1.723	18.43 (3.95 to 32.91)		0.797	58.90 (48.97 to 68.82)		0.657	64.66 (55.22 to 74.11)
Scenario 3												
Crude	384	2.537	1.61 (-12.24 to 15.46)	233	1.813	20.84 (7.23 to 34.45)	62	0.529	73.15 (65.60 to 80.70)	43	0.384	80.39 (73.95 to 86.83)
Standardized		2.354	1.93 (-12.39 to 16.25)		1.629	22.91 (9.01 to 36.82)		0.519	73.22 (65.63 to 80.82)		0.364	80.39 (73.78 to 87.01)
Scenario 4												
Crude	314	2.075	19.52 (7.57 to 31.47)	119	0.925	59.60 (50.99 to 68.21)	81	0.697	64.64 (55.69 to 73.58)	77	0.693	64.65 (55.45 to 73.85)
Standardized		1.904	20.69 (8.43 to 32.94)		0.849	59.80 (50.87 to 68.74)		0.686	64.64 (55.62 to 73.65)		0.657	64.65 (55.20 to 74.10)

Scenario 1: without national vaccination program; Scenario 2: current national vaccination program; Scenario 3: implementation of nine-valent vaccine; Scenario 4: expansion of vaccination age. CI, confidence interval; PIF, potential impact fraction.