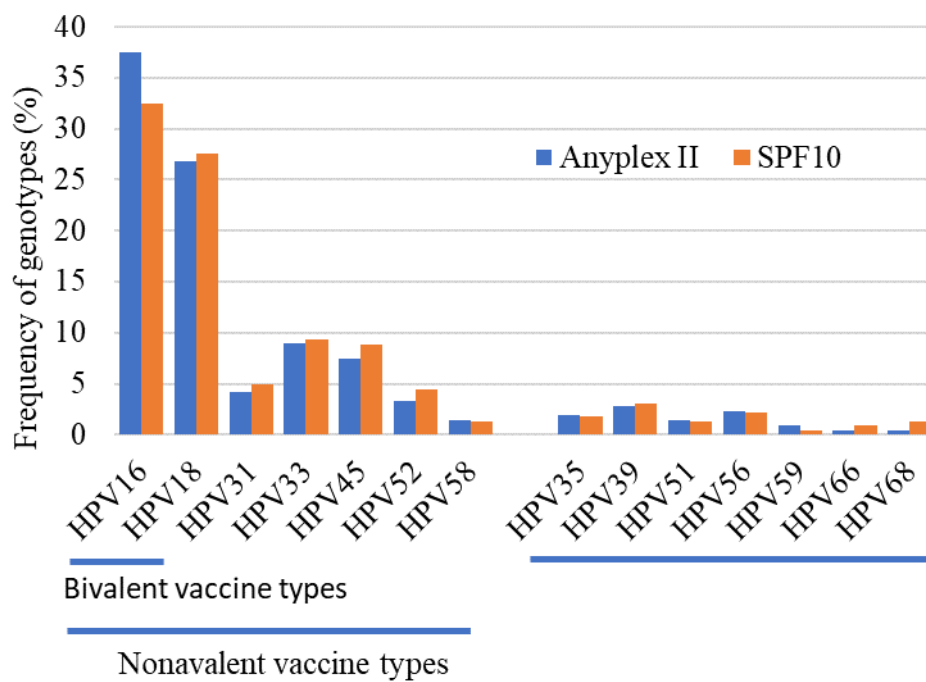


Supplemental Digital Content. The Supplemental Digital Content was not copyedited by *Archives of Pathology & Laboratory Medicine*.

Supplemental Figure 1. Overall human papillomavirus (HPV) genotype detection by RHA kit HPV SPF10-LiPA25, v1 (SPF10) and Anyplex II systems. Frequency of individual HPV genotypes detected by SPF10 and Anyplex II presented side-by-side. HPV types corresponding to different vaccine formulations are indicated. Analyses were performed where all Invalids were excluded.



Supplemental Table 1. Agreement of the results of RHA kit HPV SPF10-LiPA25, v1 (SPF10) and Anyplex II on Group B samples (n=211, excluding all samples with invalid Anyplex II internal control (IC); refer to Figure 1).

	Genotype^a	PPA% (95% CI)	NPA% (95% CI)	Kappa	Overall agreement^b % (95% CI)
	Any type	90.7 (86.15-94.16)	0.00 (0.00-36.94)	-	87.6 (82.69-91.54)
Nonavalent vaccine types	16	100 (95.07-100.00)	94.9 (89.83-97.94)	0.928	96.7 (93.28-98.66)
	18	91.9 (82.17-97.33)	100 (97.55-100.00)	0.942	97.6 (94.56-99.23)
	31	81.8 (48.22-97.72)	100 (98.17-100.00)	0.895	99.1 (96.62-99.89)
	33	90.5 (69.62-98.83)	100 (98.08-100.00)	0.945	99.1 (96.62-99.89)
	45	80.00 (56.34-94.27)	100 (98.09-100.00)	0.879	98.1 (95.22-99.48)
	52	70.00 (34.75-93.33)	99.5 (97.26-99.99)	0.768	98.1 (95.22-99.48)
	58	100 (29.24-100.00)	100 (98.24-100.00)	1	100 (98.27-100.00)
Non-vaccine high risk types	35	100 (39.76-100.00)	100 (98.23-100.00)	1	100 (98.27-100.00)
	39	85.7 (42.13-99.64)	100 (98.21-100.00)	0.921	99.5 (97.39-99.99)
	51	100 (29.24-100.00)	100 (98.24-100.00)	1	100 (98.27-100.00)
	56	100 (47.82-100)	100 (98.23-100.00)	1	100 (98.27-100.00)
	59	100 (15.81-100.00)	100 (98.25-100.00)	1	100 (98.27-100.00)
	66	50 (1.26-98.74)	99.1 (96.71-99.89)	0.665	98.6 (96.05-99.72)
	68	33.3 (0.84-90.57)	99.1 (96.70-99.89)	0.497	99.1 (96.71-99.89)

^aBold indicates HPV types targeted by the nonavalent HPV vaccine. Types 16 and 18 included in both the bivalent and quadrivalent vaccines.

^bOverall agreement=total concordant/total samples.

PPA: positive percent agreement. NPA: negative percent agreement. CI: confidence interval.