

Supplementary table 1: Incidence rates and qHPV vaccine efficacy for HGAIN

Outcome	Total <i>IR (95% CI) per 100 person-years</i>	qHPV <i>IR (95% CI) per 100 person-years</i>	Placebo <i>IR (95% CI) per 100 person-years</i>	Vaccine efficacy <i>%(95% CI)</i>
HGAIN (ITT, n=126, 127.1 person-years of follow-up)	61.4 (49.2–76.6)	66.3 (49.0–89.7)	56.5 (40.7–78.3)	-17.4 (-20.3–-14.6)
HGAIN (PP, n=122, 123.7 person-years of follow-up)	63.1 (50.5–78.7)	68.2 (50.4–92.3)	58.0 (41.8–80.4)	-17.6 (95% CI -20.5–-14.8)

Abbreviations: CI, confidence interval; IR, incidence rate; ITT, intention-to-treat; LGAIN, low-grade anal

intraepithelial neoplasia; HGAIN, high-grade anal intraepithelial neoplasia; PP, per-protocol; qHPV, quadrivalent

human papillomavirus vaccine