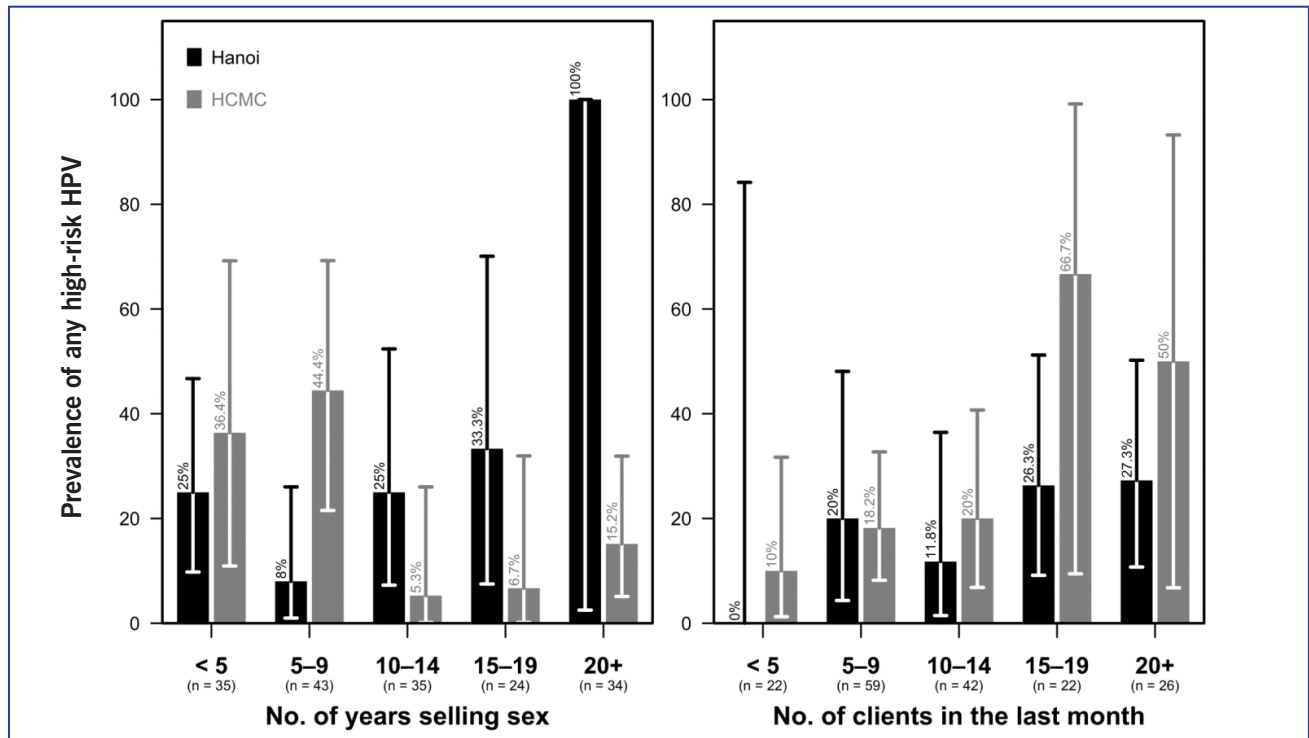Supplementary Fig. 1. **Sex work-related characteristics and prevalence of high-risk HPV infection among FSWs in Hanoi and HCMC, 2017–2018**

FSW: female sex worker; HCMC: Ho Chi Minh City; HPV: human papillomavirus.

The exact binomial method was used to estimate the prevalence and 95% CI of HPV infection for Hanoi in northern Viet Nam (in black) and HCMC in southern Viet Nam (in grey), and how it correlates to the sex work-related characteristics of FSWs: number of years selling sex and number of sex clients in the last month. The number of respondents in each bin is presented in parentheses. High-risk HPV types include 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 and 66/68.

Supplementary Table 1. **Correlations among factors associated with high-risk HPV infection**

Variables	All FSWs (*N*=699)	FSWs who were not asked sex work-related questions (*n*=528)	FSWs who were asked sex work-related questions[a] (*n*=171)	
			Without sex work variables[a] (*n*=171)	With sex work variables[b] (*n*=171)
	aPR (95% CI)	aPR (95% CI)	aPR (95% CI)	aPR (95% CI)
Age	0.98 (0.95–1.00) *P*=0.06	0.97 (0.94–1.00) *P*=0.08	0.98 (0.94–1.03) *P*=0.52	1.01 (0.93–1.1) *P*=0.77
Marital status				
Never married	1	1	1	1
Married	2.94 (1.29–6.68) *P*=0.01	3.27 (1.14–9.37) *P*=0.03	2.14 (0.39–11.73) *P*=0.38	1.94 (0.36–10.30) *P*=0.44
Separated	1.48 (0.72–3.05) *P*=0.29	1.25 (0.51–3.05) *P*=0.63	2.04 (0.44–9.41) *P*=0.36	1.81 (0.39–8.35) *P*=0.44
Divorced	1.96 (1.01–3.81) *P*=0.05	2.12 (0.98–4.59) *P*=0.06	1.42 (0.32–6.38) *P*=0.65	1.32 (0.30–5.87) *P*=0.71
Widowed	3.26 (1.49–7.12) *P*<0.01	3.45 (1.35–8.81) *P*=0.01	2.74 (0.44–17.11) *P*=0.28	2.44 (0.40–14.84) *P*=0.33
Other	3.21 (0.40–25.89) *P*=0.27	3.64 (0.43–30.95) *P*=0.24	NA	NA
Living arrangements				
With friends	1	1	1	1
With husband, boyfriend, male partner	1.16 (0.54–2.49) *P*=0.70	2.25 (0.55–9.19) *P*=0.26	0.75 (0.24–2.33) *P*=0.61	0.94 (0.30–2.92) *P*=0.91
Alone	1.85 (1.01–3.39) *P*=0.05	3.91 (1.19–12.81) *P*=0.02	1.29 (0.46–3.58) *P*=0.63	1.58 (0.56–4.43) *P*=0.39
Temporary housing or with family members	1.37 (0.70–2.70) *P*=0.36	2.11 (0.60–7.45) *P*=0.25	1.71 (0.64–4.58) *P*=0.28	1.43 (0.52–3.98) *P*=0.49
Ever smoked	1.23 (0.80–1.88) *P*=0.36	1.09 (0.66–1.80) *P*=0.74	1.47 (0.62–3.49) *P*=0.38	1.70 (0.70–4.09) *P*=0.24
Ever given birth	0.62 (0.38–1.00) *P*=0.05	0.65 (0.36–1.15) *P*=0.14	0.42 (0.17–1.08) *P*=0.07	0.41 (0.16–1.02) *P*=0.05
Regular condom use in the last year	0.93 (0.64–1.37) *P*=0.72	1.04 (0.67–1.61) *P*=0.86	0.69 (0.27–1.76) *P*=0.44	0.52 (0.19–1.41) *P*=0.20
Ever consumed drugs	0.41 (0.17–0.97) *P*=0.04	0.55 (0.23–1.34) *P*=0.19	NA	NA
Type of sex work				
Street-based	1	1	1	1
Venue-based	1.85 (0.93–3.67) *P*=0.08	2.67 (1.07–6.63) *P*=0.03	0.93 (0.30–2.89) *P*=0.90	0.73 (0.23–2.36) *P*=0.60
Age of sexual debut	0.95 (0.90–1.01) *P*=0.09	0.97 (0.90–1.03) *P*=0.31	0.90 (0.79–1.03) *P*=0.12	0.89 (0.77–1.02) *P*=0.10
Duration of sex work	NA	NA	NA	0.97 (0.89–1.06) *P*=0.54
Number of sex clients in the last month	NA	NA	NA	1.05 (1–1.1) *P*=0.05

aPR: adjusted prevalence ratio; CI: confidence interval; FSW: female sex worker; HPV: human papillomavirus; NA: not applicable.

High-risk HPV types: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66/68.

[a] Out of the 699 FSWs, 171 responded to the sex work-related questions.

[b] Two models were built for the 171 FSWs: without the sex work-related variables (fourth column) and with the sex work-related variables (fifth column).