

Additional file 2. WUENIC 2025 comparator table for Cameroon HPV vaccination and routine immunisation indicators.

Primary comparator set (11 antigens with stable indicator definitions across the 2024 and 2025 WUENIC revisions)

Antigen	WUENIC indicator	2024 coverage (%)	2025 coverage (%)	Gap vs HPV1 girls, 2024 (pp)	Gap vs HPV1 girls, 2025 (pp)
BCG	bcb	93	93	+57	+63
DTP1	dtp1	82	86	+46	+56
DTP3	dtp3	77	83	+41	+53
HepB3	hepb3	77	83	+41	+53
Hib3	hib3	77	83	+41	+53
IPV1	ipv1	75	81	+39	+51
MCV1	mcb1	71	75	+35	+45
MCV2	mcb2	49	66	+13	+36
RCV1	rcv1	71	75	+35	+45
RotaC	rotac	73	80	+37	+50
YFV	yfv	71	75	+35	+45
HPV first dose, girls (reference)	prhpv1_f	36	30	Reference	Reference

Sensitivity check: replacement indicators introduced in the 2025 revision

Antigen	WUENIC indicator	2024 coverage (%)	2025 coverage (%)	Gap vs HPV1 girls, 2024 (pp)	Gap vs HPV1 girls, 2025 (pp)
IPVC (replaces IPV2)	ipvc	65	71	+29	+41
PCVC (replaces PCV3)	pcvc	76	82	+40	+52

Note: Pol3, IPV2, and PCV3 were retired or redefined as completed-series indicators (IPVC, PCVC) in the WUENIC 2025 revision for all countries. IPVC and PCVC are shown here as a sensitivity check and are not part of the primary 11-antigen comparator set used in the main text and Fig 3. HepBB and MengA had no available WUENIC estimate for Cameroon in either the 2024 or 2025 revision and are excluded from this table. Coverage gaps are expressed in percentage points relative to HPV1 girls (reference). Data source: WHO/UNICEF Estimates of National Immunization Coverage (WUENIC), 2025 revision. Available from: <https://immunizationdata.who.int>