TAKWIMU KENYA · REPORT C

Health and Community Services

Siaya County disease burden, service coverage, staffing, community health units, financing and partner programmes

DRAFT. Every figure in this report is "Provisional: awaiting editorial review" unless it carries a mark. This notice replaces a label on each figure; the watermark stays until every included figure has a review record.

Review state: 72 provisional, 0 approved, 54 disputed, 0 superseded, 0 withdrawn.

Marks: APPROVED approved in editorial review; DISPUTED the data file records a conflict for this value (both readings are kept); SUPERSEDED replaced by a later reading; a withdrawn value prints the withdrawal and its reason instead of the number.

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2003 to 2027 (earliest and latest years in the figures shown)

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GEOGRAPHY
Siaya County (county code 41), Kenya

LICENCE
Takwimu text: reuse with credit (terms). Source documents keep their publishers' terms.

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How to read this report, the method, the confidence scales and the licence are set out once for all five reports at How to read these reports (takwimu.netlify.app/reports/method/). In short: **Findings** are values as the documents print them; **Interpretation** is Takwimu's reading, not a finding; where documents disagree all values are shown and none is chosen. Own-source revenue, hospital income (FIF) and A-i-A are counted differently by each publisher: explained (takwimu.netlify.app/learn/#own-source-revenue).

1. Summary

Canonical topic page: Siaya health (takwimu.netlify.app/counties/siaya/health/).

Findings

Maternal and child health indicators, KDHS 2014 and 2022 (per cent)

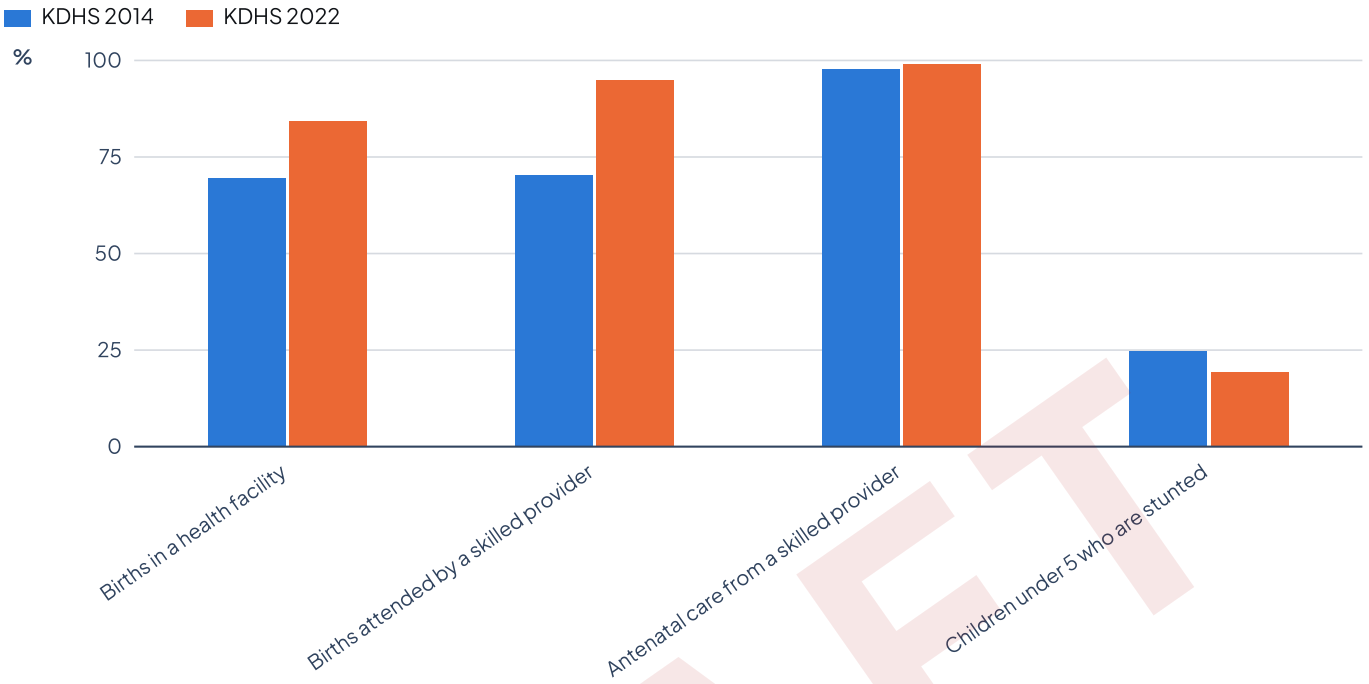


Table for the chart: Maternal and child health indicators, KDHS 2014 and 2022 (per cent)

INDICATOR	VALUE	PERIOD	SOURCE
KDHS 2014, Births in a health facility	69.6%	2014	KDHS-2014
KDHS 2014, Births attended by a skilled provider	70.4%	2014	KDHS-2014
KDHS 2014, Antenatal care from a skilled provider	97.8%	2014	KDHS-2014
KDHS 2014, Children under 5 who are stunted	24.7%	2014	KDHS-2014
KDHS 2022, Births in a health facility	84.4%	2022	KDHS-2022-KIR
KDHS 2022, Births attended by a skilled provider	94.9%	2022	KDHS-2022-KIR
KDHS 2022, Antenatal care from a skilled provider	99.1%	2022	KDHS-2022-KIR
KDHS 2022, Children under 5 who are stunted	19.2%	2022	KDHS-2022-KIR

Every row: page Not stated; confidence 4 of 5.

> **Interpretation (Takwimu editorial, not a finding)**
>
> Survey indicators moved in the expected direction between the two surveys. Routine annual health data were not retrievable, so year-to-year trends cannot be shown.

2. Disease trends

Canonical topic page: Siaya health (takwimu.netlify.app/counties/siaya/health/).

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Findings

HIV: prevalence, incidence, new infections and treatment (model vintages are not comparable)

INDICATOR	VALUE	PERIOD	SOURCE	PAGE	CONFIDENCE
Adult HIV prevalence (15–49), Siaya County [1,2]	23.7% DISPUTED	2013	SCASP-2015	PDF p. 16 (printed 4)	3 of 5
Adult HIV prevalence (15–49), Siaya County [1,2]	24.8% DISPUTED	2015	SCASP-2015	PDF p. 16 (printed 4)	4 of 5
Adult HIV prevalence (15–49), Siaya County [3,4]	24.8% DISPUTED	2015	KHE-2015	PDF p. 8 (printed 7)	4 of 5
Adult HIV prevalence (15–49), Siaya County [3,4]	21% DISPUTED	2017	KHE-2018	PDF p. 11 (printed 5)	4 of 5
HIV prevalence (not stated), Siaya County [5,2]	14.7% DISPUTED	2021	CIDP-2023	PDF p. 205 (printed 186)	3 of 5
HIV prevalence, adults 15+ (15+), Siaya County [6,4]	14.1% DISPUTED	2022 (estimate round; reference year not printed)	NSDCC-POSTER-2022	PDF p. 38	4 of 5
HIV prevalence (not stated), Siaya County [7,2]	9.8% DISPUTED	2023	HEALTH-01	Not stated	1 of 5
HIV prevalence (overall) (overall (age range not printed; sex split shown for 15+)), Siaya County [6,4]	10.3% DISPUTED	2025	NSDCC-PROFILES-2026	PDF p. 84 (printed 79)	3 of 5
HIV incidence, adults 15–49 (15–49), Siaya County [5,2]	1.68 % per year	2015	SCASP-2015	PDF p. 16 (printed 4)	3 of 5
HIV incidence, adults 15+ (15+), Siaya County [6,4]	3.6 per 1,000 population per year	2022 (estimate round)	NSDCC-POSTER-2022	PDF p. 38	4 of 5
Annual new HIV infections, all ages (all ages), Siaya County [5,2]	16,411 people	2013	SCASP-2015	PDF p. 16 (printed 4)	3 of 5
Annual new HIV infections, all ages (all ages), Siaya County [5,2]	8,496 people	2015	SCASP-2015	PDF p. 16 (printed 4)	3 of 5
Annual new HIV infections, all ages (all ages), Siaya County [6,4]	8,496 people	2015	KHE-2015	PDF p. 9 (printed 8)	4 of 5
Annual new HIV infections, all ages (all ages), Siaya County [6,4]	4,039 people	2017	KHE-2018	PDF p. 11 (printed 5)	4 of 5
Estimated new HIV infections, adults 15+ (15+), Siaya County [6,4]	2,180 people	2022 (estimate round)	NSDCC-POSTER-2022	PDF p. 38	4 of 5
New HIV infections, overall (all ages), Siaya County [6,4]	736 people	2025	NSDCC-PROFILES-2026	PDF p. 84 (printed 79)	3 of 5
Adult ART coverage (of adults in need) (15+), Siaya County [8,2]	82%	2013	SCASP-2015	PDF p. 16 (printed 4)	3 of 5
Adult ART coverage (of adults in need) (15+), Siaya County [8,2]	63%	2015	SCASP-2015	PDF p. 16 (printed 4)	3 of 5
Children ART coverage (of children in need) (0–14), Siaya County [8,2]	75%	2015	SCASP-2015	PDF p. 17 (printed 5)	3 of 5
Patients on ARVs (all ages), Siaya County [9,2]	100,576 people	2022	CIDP-2023	PDF p. 208 (printed 189)	3 of 5
People living with HIV who know their status (1st 95) (all ages), Siaya County [10,4]	97.2%	2025	NSDCC-PROFILES-2026	PDF p. 84 (printed 79)	3 of 5
Initiation on ART and retention (2nd 95) (all ages), Siaya County [10,4]	96.2%	2025	NSDCC-PROFILES-2026	PDF p. 84 (printed 79)	3 of 5
Virally suppressed (3rd 95) (all ages), Siaya County [10,4]	53.7% DISPUTED	2025	NSDCC-PROFILES-2026	PDF p. 84 (printed 79)	2 of 5
People living with HIV virally suppressed (uptake) (not stated), Siaya County [9,4]	96% DISPUTED	2021 (KHIS to December 2021)	NSDCC-POSTER-2022	PDF p. 38	2 of 5

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INDICATOR	VALUE	PERIOD	SOURCE	PAGE	CONFIDENCE
Mother-to-child HIV transmission rate (infants), Siaya County [5,2]	21%	2015	SCASP-2015	PDF p. 17 (printed 5)	3 of 5
Mother-to-child HIV transmission rate (infants), Siaya County [6,4]	6.77%	2025	NSDCC-PROFILES-2026	PDF p. 84 (printed 79)	3 of 5
Mother-to-child HIV transmission rate (infants), Siaya County [6,4]	9.1%	2020	NSDCC-PROFILES-2026	PDF p. 84 (printed 79)	3 of 5
HIV prevalence, ages 13–34 (HDSS area) (13–34), KEMRI/CDC HDSS (Asembo, Gem and Karemo areas of Siaya) [11,12,13]	15.4% DISPUTED	2003–04	HDSS-2012	Not stated	3 of 5

1. Modelled estimate (EPP/Spectrum), quoted.
2. secondary report.
3. Modelled estimate (EPP/Spectrum).
4. primary.
5. Modelled estimate, quoted.
6. Modelled estimate.
7. not stated.
8. Programme count over modelled need.
9. Routine facility data (KHIS).
10. Modelled estimate with programme data.
11. Door-to-door HIV counselling and testing survey.
12. sentinel-site.
13. Sentinel site: not county-representative.

Tuberculosis

INDICATOR	VALUE	PERIOD	SOURCE	PAGE	CONFIDENCE
TB prevalence (not stated), Siaya County [1,2]	292 per 100,000 population DISPUTED	2022	CIDP-2023	PDF p. 205 (printed 186)	2 of 5
TB prevalence (CIDP baseline) (not stated), Siaya County [3,2]	310 per 100,000 population DISPUTED	2022 (CIDP indicator baseline)	CIDP-2023	PDF p. 193 (printed 174)	2 of 5
TB incidence (not stated), Siaya County [4,2]	363 per 100,000 population	not stated (article of May 2026)	HEALTH-01	Not stated	1 of 5
TB cure rate (all ages), Siaya County [5,2]	83%	2019	CIDP-2023	PDF p. 45 (printed 26)	2 of 5
TB cure rate (all ages), Siaya County [5,2]	87% DISPUTED	2022	CIDP-2023	PDF p. 45 (printed 26)	2 of 5
TB patients co-infected with HIV (all ages), Siaya County [6,7]	52%	2023	NTLD-AR-2023	PDF p. 19 (printed 9)	4 of 5

1. not stated (likely notified cases).
2. secondary report.
3. Routine TB programme data (TIBU), as quoted.
4. not stated.
5. Routine programme data (source not named).
6. Routine TB programme data (TIBU).
7. primary.

Malaria and prevention

INDICATOR	VALUE	PERIOD	SOURCE	PAGE	CONFIDENCE
Malaria prevalence (not stated), Siaya County [1,2]	38% DISPUTED	2018	CIDP-2023	PDF p. 45 (printed 26)	2 of 5
Malaria prevalence (not stated), Siaya County [1,2]	19% DISPUTED	end of CIDP 2018–2022 (year not printed)	CIDP-2023	PDF p. 45 (printed 26)	2 of 5
Malaria prevalence (not stated), Siaya County [3,2]	29% DISPUTED	2022	CIDP-2023	PDF p. 205 (printed 186)	2 of 5
Malaria prevalence (not stated), Siaya County [1,2]	24% DISPUTED	not stated (article of May 2026)	HEALTH-01	Not stated	1 of 5
Children under 5 who slept under an ITN last night (0–4), Siaya County [4,5]	77%	2022	KDHS-2022-KIR	PDF p. 64 (printed 54)	4 of 5

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INDICATOR	VALUE	PERIOD	SOURCE	PAGE	CONFIDENCE
Women with a recent live birth who received 3+ doses of SP (IPTp) (15–49), Siaya County [4,5]	33.8%	2022	KDHS-2022-KIR	PDF p. 66 (printed 56)	3 of 5

1. not stated.
2. secondary report.
3. Survey (as named; not retrieved).
4. Household survey.
5. primary.

Interpretation (Takwimu editorial, not a finding)

HIV estimates come from different model vintages and age bands; national guidance says they should not be joined into a trend line.

3. Facility access and maternal and child care

Canonical topic page: Siaya health (takwimu.netlify.app/counties/siaya/health/).

Findings

Antenatal care, delivery and immunisation

INDICATOR	VALUE	PERIOD	SOURCE	PAGE	CONFIDENCE
Antenatal care from a skilled provider (15–49), Siaya County [1,2]	97.8%	2014	KDHS-2014	PDF p. 151 (printed 123)	4 of 5
Antenatal care from a skilled provider (15–49), Siaya County [1,2]	99.1%	2022	KDHS-2022-KIR	PDF p. 37 (printed 27)	4 of 5
Births attended by a skilled provider (births), Siaya County [1,2]	70.4%	2014	KDHS-2014	PDF p. 159 (printed 131)	4 of 5
Births attended by a skilled provider (births), Siaya County [1,2]	94.9% DISPUTED	2022	KDHS-2022-KIR	PDF p. 37 (printed 27)	4 of 5
Skilled deliveries (births), Siaya County [3,4]	95% DISPUTED	end of CIDP 2018–2022 (year not printed)	CIDP-2023	PDF p. 45 (printed 26)	2 of 5
Deliveries conducted by skilled birth attendants (CIDP baseline) (births), Siaya County [3,4]	93% DISPUTED	2022 (CIDP indicator baseline)	CIDP-2023	PDF p. 108 (printed 89)	2 of 5
Births in a health facility (births), Siaya County [1,2]	69.6%	2014	KDHS-2014	PDF p. 157 (printed 129)	4 of 5
Births in a health facility (births), Siaya County [1,2]	84.4% DISPUTED	2022	KDHS-2022-KIR	PDF p. 37 (printed 27)	4 of 5
Health facility deliveries (births), Siaya County [5,4]	98% DISPUTED	2022	CIDP-2023	PDF p. 208 (printed 189)	2 of 5
Children 12–23 months fully vaccinated (12–23 months), Siaya County [6,2]	78% DISPUTED	2014	KDHS-2014	PDF p. 172 (printed 144)	3 of 5
Children 12–23 months fully vaccinated (basic antigens) (12–23 months), Siaya County [6,2]	88.1%	2022	KDHS-2022-KIR	PDF p. 44 (printed 34)	3 of 5
Children 12–23 months with all basic vaccinations (12–23 months), Siaya County [6,2]	79.3%	2014	KDHS-2014	PDF p. 172 (printed 144)	3 of 5
Children 12–23 months fully vaccinated (national schedule) (12–23 months), Siaya County [6,2]	69.9% DISPUTED	2022	KDHS-2022-KIR	PDF p. 44 (printed 34)	3 of 5
Immunisation coverage of the targeted population (not stated), Siaya County [3,4]	88%	end of CIDP 2018–2022 (year not printed)	CIDP-2023	PDF p. 45 (printed 26)	2 of 5

1. Household survey.
2. primary.

DRAFT

3. Routine data (source not named).
4. secondary report.
5. Routine facility data (KHIS).
6. Household survey (card or mother's report).

Nutrition

INDICATOR	VALUE	PERIOD	SOURCE	PAGE	CONFIDENCE
Children under 5 who are stunted (below -2 SD) (0–59 months), Siaya County [1,2]	24.7%	2014	KDHS-2014	PDF p. 190 (printed 162)	4 of 5
Children under 5 who are stunted (below -2 SD) (0–59 months), Siaya County [1,2]	19.2% DISPUTED	2022	KDHS-2022-KIR	PDF p. 54 (printed 44)	4 of 5
Prevalence of stunting (height for age) (under 5 (as usual for this indicator; not printed)), Siaya County [3,4]	20.7% DISPUTED	2019	CIDP-2023	PDF p. 205 (printed 186)	2 of 5

1. Household survey, anthropometry (WHO standards).
2. primary.
3. Survey (as named; not retrieved).
4. secondary report.

Interpretation (Takwimu editorial, not a finding)

Facility delivery in surveys and in county routine data are different measures; the survey figure is shown.

4. Staffing

Canonical topic pages: Siaya health (takwimu.netlify.app/counties/siaya/health/); Siaya wards and sub-counties (takwimu.netlify.app/counties/siaya/wards/).

Findings

People per health worker by sub-county, 2022 (county plan)

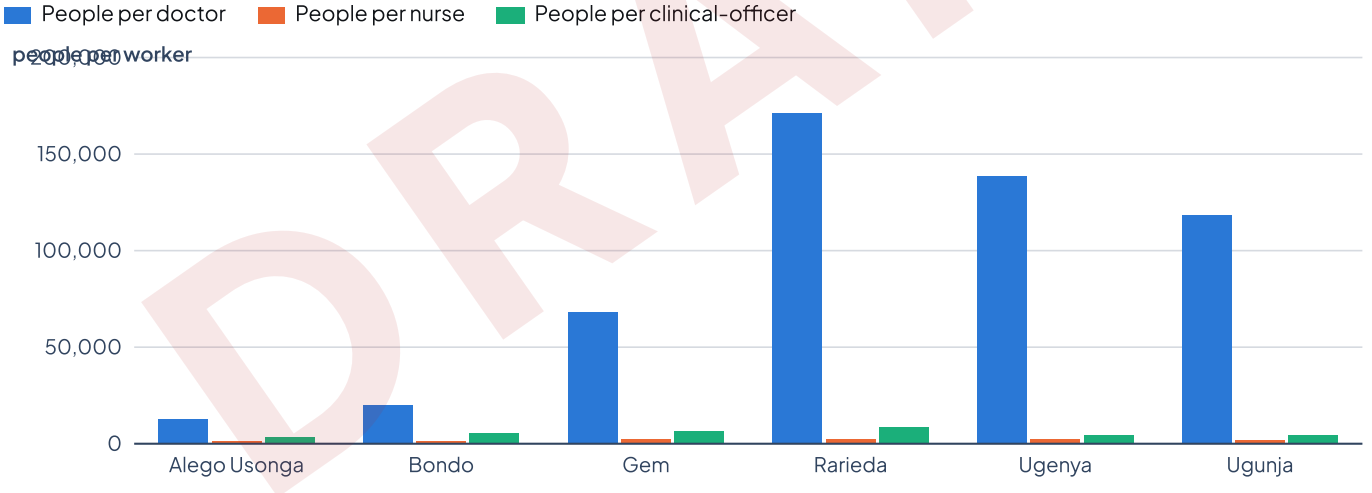


Table for the chart: People per health worker by sub-county, 2022 (county plan)

INDICATOR	VALUE	PAGE
People per doctor, Alego Usonga	12,526 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per doctor, Bondo	20,053 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per doctor, Gem	68,126 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per doctor, Rarieda	170,952 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per doctor, Ugenya	138,626 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)

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INDICATOR	VALUE	PAGE
People per doctor, Ugunja	118,315 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per nurse, Alego Usonga	1,087 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per nurse, Bondo	1,355 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per nurse, Gem	2,129 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per nurse, Rarieda	2,220 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per nurse, Ugenya	2,100 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per nurse, Ugunja	1,793 people per health worker (printed as 1:N)	PDF p. 207 (printed 188)
People per clinical-officer, Alego Usonga	3,173 people per health worker (printed as 1:N)	PDF p. 208 (printed 189)
People per clinical-officer, Bondo	5,420 people per health worker (printed as 1:N)	PDF p. 208 (printed 189)
People per clinical-officer, Gem	6,593 people per health worker (printed as 1:N)	PDF p. 208 (printed 189)
People per clinical-officer, Rarieda	8,547 people per health worker (printed as 1:N)	PDF p. 208 (printed 189)
People per clinical-officer, Ugenya	4,471 people per health worker (printed as 1:N)	PDF p. 208 (printed 189)
People per clinical-officer, Ugunja	4,225 people per health worker (printed as 1:N)	PDF p. 208 (printed 189)

Every row: period 2022 ('as at 2022'); source CIDP-2023; confidence 2 of 5; Staff count over population (source not named); secondary report.

> **Interpretation (Takwimu editorial, not a finding)**
>
> Doctor coverage varies most between sub-counties; nurses are more evenly spread.

5. Community health units

Canonical topic page: Siaya health (takwimu.netlify.app/counties/siaya/health/).

Findings

Community health units and committee functionality (baseline assessment, September 2026)

INDICATOR	VALUE
Community health units (not applicable), Siaya County [1]	221 units
Community health units assessed in the baseline (not applicable), Siaya County [2]	210 units
Community health committees fully functional (not applicable), Siaya County [2]	7.6 % of committees assessed

Every row: period 2026 (baseline assessment, September 2026); source HEALTH-02; page Not stated; confidence 1 of 5; secondary report.

1. Administrative count (as quoted).
2. Assessment (as quoted).

> **Interpretation (Takwimu editorial, not a finding)**
>
> A small share of committees assessed were fully functional at baseline.

6. Financing

Canonical topic pages: Siaya fiscal analysis (share of budget spent, pending bills, real per-capita spending) (takwimu.netlify.app/counties/siaya/analysis/); Siaya health (takwimu.netlify.app/counties/siaya/health/).

Findings

Budget-to-service context calculated by Takwimu (context, not causation)

INDICATOR	VALUE	PERIOD	SOURCE	PAGE
Education department expenditure FY 2014/15 beside ECDE enrolment and centres in 2014 [1]	301.1 KSh million	FY 2014/15 (spending); 2014 (indicator)	KNBS-ABS-2015	PDF p. 64 (printed 47)
Water department expenditure FY 2024/25 beside WASREB water coverage FY 2024/25 [2]	350.27 KSh million	FY 2024/25	GOV-03	PDF p. 21

Every row: confidence 4 of 5; Calculated by Takwimu Kenya from published figures; Confidence: the lowest of its inputs.

1. Formula: Recurrent + development expenditure of the county education department (KSh million), same table; shown beside 2014 pre-primary (ECDE) enrolment and centres from the same publication.
2. Formula: Actual expenditure of the water, irrigation, environment, climate change and natural resources department (KSh million); shown beside WASREB Impact 18 coverage figures for the same year.

Health department budget and expenditure by year are not in the fiscal ledger; see data gaps.

7. NGO and donor health programmes

Canonical topic page: Siaya programmes (NGO, CSO and donor) (takwimu.netlify.app/counties/siaya/programmes/).

Findings

Health programme records (evidence type shown; pooled totals are not Siaya figures)

ID	PROGRAMME	IMPLEMENTER	FUNDER	GEOGRAPHY	EVIDENCE TYPE
SIA-G-007	Transforming Health Systems for Universal Care	Ministry of Health	World Bank Group (Global Financing Facility; IDA Credit; Japan Policy and Human Resources Development Fund)	national	independently evaluated WB-PROJECTS-API-KE; API record P152394; 2016-06-15 to 2023-09-30; source tier C (scale A to D).
SIA-G-024	DANIDA Primary Health Care grant to Siaya County	County Government of Siaya	Denmark (DANIDA)	siaya specific	self reported GOV-03; PDF p. 16; 2023-07-01 to 2026-06-30; source tier A (scale A to D).
SIA-G-036	PEPFAR: Supporting the Implementation, Expansion, Sustainability and Ownership of High Quality HIV Services in Siaya County (award NU2GGH001959)	Government of Kenya	US Department of State (PEPFAR), via US Department of Health and Human Services (CDC)	siaya specific	self reported IATI-DPORTAL-SIAYA; IATI activity US-GOV-14-NU2GGH001959-46633; 2016-09-30 to 2021-09-29; source tier C (scale A to D).
SIA-G-037	PEPFAR: Supporting the Implementation, Expansion, Sustainability, and Ownership of Comprehensive HIV and TB Prevention and Treatment Programs in Siaya County (award NU2GGH002337)	Government of Kenya	US Department of State (PEPFAR), via US Department of Health and Human Services (CDC)	siaya specific	self reported IATI-DPORTAL-SIAYA; IATI activity US-GOV-14-NU2GGH002337-46635; 2021-10-01 to 2026-09-29; source tier C (scale A to D).

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ID	PROGRAMME	IMPLEMENTER	FUNDER	GEOGRAPHY	EVIDENCE TYPE
SIA-G-057	AUTOMATE: harnessing routinely collected data for timely healthcare decisions	Keele University; Tropical Institute of Community Health and Development; University of Sunderland	UK Department of Health and Social Care (NIHR)	multi county including siaya	**planned** IATI-DPORTAL-SIAYA; IATI activity GB-GOV-10-HPSR_Project_1_157653; 2024-11-01 to 2027-10-31; source tier C (scale A to D).
SIA-G-058	Every Child Thrives: response to COVID-19 (nutrition and health services)	effect:hope	Global Affairs Canada	multi county including siaya	**self reported** IATI-DPORTAL-SIAYA; IATI activity CA-3-P001044002; 2021-03-12 to 2022-03-31; source tier C (scale A to D).
SIA-G-060	Strengthening Emergency Obstetric and Newborn Care (EmONC): building mentors' capacity	not named in the record (VLIR-UOS university cooperation project)	Belgian Directorate-General for Development Cooperation, via VLIR-UOS	multi county including siaya	**planned** IATI-DPORTAL-SIAYA; IATI activity BE-BCE_KBO-0418766123-prg2022-52-GO2024ITP261B122; 2022-09-01 to 2027-08-31; source tier C (scale A to D).
SIA-G-064	County Measurements, Learning and Accountability Program (CMLAP I), Western Kenya	Futures Group Global	USAID (US Department of State funding)	multi county including siaya	**self reported** IATI-DPORTAL-SIAYA; IATI activity US-GOV-1-AID-615-A-16-00006; 2016-09-27 to 2022-09-30; source tier C (scale A to D).
SIA-G-065	Tupime Kaunti: County Measurements, Learning and Accountability Program (CMLAP II)	Futures Group Global	USAID (US Department of State funding)	multi county including siaya	**self reported** IATI-DPORTAL-SIAYA; IATI activity US-GOV-1-72061518CA00001; 2018-06-29 to 2019-11-04; source tier C (scale A to D).
SIA-G-068	UNICEF Kenya country programme: quality immunization services and practices	UNICEF with government partners incl. County Director of Health, Siaya	UNICEF (pooled donor and regular resources)	national	**planned** IATI-DPORTAL-SIAYA; IATI activity XM-DAC-41122-Kenya-2400/A0/07/001/002; 2022-07-01 to 2027-06-30; source tier C (scale A to D).
SIA-G-069	UNICEF Kenya country programme 2018–2022: integrated early childhood development in counties	UNICEF with government partners incl. County Director of Health, Siaya	UNICEF (pooled donor and regular resources)	national	**self reported** IATI-DPORTAL-SIAYA; IATI activity XM-DAC-41122-Kenya-2400/A0/06/002/004; 2018-07-01 to 2022-06-30; source tier C (scale A to D).

Interpretation (Takwimu editorial, not a finding)

Self-reported results are the implementer's own account; only independently evaluated outcomes are treated as evaluated.

8. Geographic equity and small cells

Canonical topic pages: Siaya health (takwimu.netlify.app/counties/siaya/health/); Siaya wards and sub-counties (takwimu.netlify.app/counties/siaya/wards/).

Findings

All health figures here are aggregates for the county or a sub-county. Any count of people below 10 is suppressed; none of the values held is a count of that size. No patient-level or facility-level personal data are held.

9. Conflicting values

Canonical topic page: Siaya health (takwimu.netlify.app/counties/siaya/health/).

Findings

Health: values that disagree, shown together

hiv-prevalence

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
23.7% DISPUTED	Adult HIV prevalence (15–49), Siaya County	SCASP-2015; PDF p. 16 (printed 4)	2013	3 of 5
24.8% DISPUTED	Adult HIV prevalence (15–49), Siaya County	SCASP-2015; PDF p. 16 (printed 4)	2015	4 of 5
24.8% DISPUTED	Adult HIV prevalence (15–49), Siaya County	KHE-2015; PDF p. 8 (printed 7)	2015	4 of 5
21% DISPUTED	Adult HIV prevalence (15–49), Siaya County	KHE-2018; PDF p. 11 (printed 5)	2017	4 of 5
14.7% DISPUTED	HIV prevalence (not stated), Siaya County	CIDP-2023; PDF p. 205 (printed 186)	2021	3 of 5
14.1% DISPUTED	HIV prevalence, adults 15+ (15+), Siaya County	NSDCC-POSTER-2022; PDF p. 38	2022 (estimate round; reference year not printed)	4 of 5
9.8% DISPUTED	HIV prevalence (not stated), Siaya County	HEALTH-01; Not stated	2023	1 of 5
10.3% DISPUTED	HIV prevalence (overall) (overall (age range not printed; sex split shown for 15+)), Siaya County	NSDCC-PROFILES-2026; PDF p. 84 (printed 79)	2025	3 of 5
15.4% DISPUTED	HIV prevalence, ages 13–34 (HDSS area) (13–34), KEMRI/CDC HDSS (Asembo, Gem and Karemo areas of Siaya)	HDSS-2012; Not stated	2003–04	3 of 5

Eight model vintages, age bands (15–49, 15+, overall, 13–34) and one press figure. NSDCC says vintages are not comparable; do not draw a trend line across them. Inside SCASP-2015 the text on PDF p.16 says 21.4% (2013) and 23.7% (2014), while Table 1 prints 23.7% under 2013. The 9.8% (2023) press figure matches no vintage held. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

hiv-viral-suppression

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
96% DISPUTED	People living with HIV virally suppressed (uptake) (not stated), Siaya County	NSDCC-POSTER-2022; PDF p. 38	2021 (KHIS to December 2021)	2 of 5
53.7% DISPUTED	Virally suppressed (3rd 95) (all ages), Siaya County	NSDCC-PROFILES-2026; PDF p. 84 (printed 79)	2025	2 of 5

96% (KHIS, programme uptake, Dec 2021) against 53.7% (NSDCC 2025 cascade, 3rd 95). Denominators differ or are not printed; neither is preferred. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

tb-prevalence

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
292 per 100,000 population DISPUTED	TB prevalence (not stated), Siaya County	CIDP-2023; PDF p. 205 (printed 186)	2022	2 of 5
310 per 100,000 population DISPUTED	TB prevalence (CIDP baseline) (not stated), Siaya County	CIDP-2023; PDF p. 193 (printed 174)	2022 (CIDP indicator baseline)	2 of 5

Related: tb-inc-health01. Same plan gives 292/100,000 (MOH 2022) and 310/100,000 (TIBU 2022) for 2022; the May 2026 article gives incidence 363/100,000 with no source. Prevalence and incidence are different measures. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

tb-cure-rate

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
87% DISPUTED	TB cure rate (all ages), Siaya County	CIDP-2023; PDF p. 45 (printed 26)	2022	2 of 5

Review chapter says 87% in 2022; the indicator matrix (PDF p.107, printed p.88) gives a baseline of 89% for the proportion cured. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

malaria-prevalence

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
38% DISPUTED	Malaria prevalence (not stated), Siaya County	CIDP-2023; PDF p. 45 (printed 26)	2018	2 of 5
19% DISPUTED	Malaria prevalence (not stated), Siaya County	CIDP-2023; PDF p. 45 (printed 26)	end of CIDP 2018–2022 (year not printed)	2 of 5
29% DISPUTED	Malaria prevalence (not stated), Siaya County	CIDP-2023; PDF p. 205 (printed 186)	2022	2 of 5
24% DISPUTED	Malaria prevalence (not stated), Siaya County	HEALTH-01; Not stated	not stated (article of May 2026)	1 of 5

Same plan gives 19% ('MICS') and 29% ('Malaria cluster indicator survey 2022'); the article gives 24%. No age group, test method or survey report is named for any of them. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

skilled-delivery

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
94.9% DISPUTED	Births attended by a skilled provider (births), Siaya County	KDHS-2022-KIR; PDF p. 37 (printed 27)	2022	4 of 5
95% DISPUTED	Skilled deliveries (births), Siaya County	CIDP-2023; PDF p. 45 (printed 26)	end of CIDP 2018–2022 (year not printed)	2 of 5
93% DISPUTED	Deliveries conducted by skilled birth attendants (CIDP baseline) (births), Siaya County	CIDP-2023; PDF p. 108 (printed 89)	2022 (CIDP indicator baseline)	2 of 5

KDHS 2022 94.9% (survey, births in last 2 years) against CIDP 95% and 93% (routine data, denominator not stated). All values shown are provisional (see the review notice on the cover); none has been chosen over another.

facility-delivery

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
84.4% DISPUTED	Births in a health facility (births), Siaya County	KDHS-2022-KIR; PDF p. 37 (printed 27)	2022	4 of 5
98% DISPUTED	Health facility deliveries (births), Siaya County	CIDP-2023; PDF p. 208 (printed 189)	2022	2 of 5

KDHS 2022 84.4% against KHIS 98%. Routine data usually divide by expected births and count deliveries by facility location. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

stunting

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
19.2% DISPUTED	Children under 5 who are stunted (below -2 SD) (0–59 months), Siaya County	KDHS-2022-KIR; PDF p. 54 (printed 44)	2022	4 of 5
20.7% DISPUTED	Prevalence of stunting (height for age) (under 5 (as usual for this indicator; not printed)), Siaya County	CIDP-2023; PDF p. 205 (printed 186)	2019	2 of 5

CIDP 20.7% is attributed to Nawiri/Stawisha 2019 on one page and to KDHS on another; KDHS gives 24.7% (2014) and 19.2% (2022). All values shown are provisional (see the review notice on the cover); none has been chosen over another.

immunisation-full

VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
78% DISPUTED	Children 12–23 months fully vaccinated (12–23 months), Siaya County	KDHS-2014; PDF p. 172 (printed 144)	2014	3 of 5

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VALUE AS HELD	INDICATOR	SOURCE AND PAGE	PERIOD	CONFIDENCE
69.9% DISPUTED	**Children 12–23 months fully vaccinated (national schedule) (12–23 months), Siaya County**	KDHS-2022-KIR; PDF p. 44 (printed 34)	2022	3 of 5

Related: imm-cidp-review. Definitions differ by round (2014 'fully vaccinated' vs 2022 national schedule) and the CIDP 88% covers an undefined target population. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

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10. Data gaps

Gaps in the input files of this report, listed and never filled (see how gaps are handled).

ITEM	REASON	DATA FILE
hiv-prevalence (survey-measured)	KDHS 2022 did not test for HIV. KENPHIA 2018 county estimates and the Kenya HIV Estimates 2020–2024 reports were not retrieved. Next step: Retrieve KENPHIA 2018 final report county table and the NSDCC estimate reports for 2020–2024.	data/siaya-health.json
hiv-viral-suppression (definition)	Neither the 2022 poster nor the 2026 profile prints the denominator. Next step: Ask NSDCC/NASCOP for the cascade definitions.	data/siaya-health.json
tb-notifications	NTLD-P annual reports show county notification rates only as charts with no text layer. Next step: Read the chart values with the NTLD-P county data team, or request the TIBU county table.	data/siaya-health.json
tb-incidence (modelled)	No county-level TB incidence estimate found; the 363/100,000 figure is untraced. Next step: Ask the county health department which dataset the syndemic operational plan used.	data/siaya-health.json
malaria-prevalence (survey)	KDHS 2022 did not test for malaria; the KMIS 2020 report gives prevalence by endemicity zone, not by county. The 'Malaria cluster indicator survey (2022)' named in the CIDP was not found. Next step: Retrieve KMIS 2020 (lake endemic zone) and ask the county which survey gave 29% and 19%.	data/siaya-health.json
malaria-incidence	Routine KHIS confirmed-case data are behind a login. Next step: Request county malaria case counts by year from the county health records office.	data/siaya-health.json
health-workforce-per-population (county)	The CIDP prints sub-county ratios only, without staff counts or the population base. Next step: Obtain the county HRH establishment (staff counts by cadre) and divide by KNBS population; record both inputs.	data/siaya-health.json
chu-functionality	The county article (HEALTH-02) returns HTTP 404 and the baseline assessment was not obtained. Next step: Request the Lwala/county assessment, definitions, sampling and ward breakdown.	data/siaya-health.json
sentinel-site series (PBIDS, HDSS malaria)	The PBIDS portal (HEALTH-03) and MESA page (HEALTH-04) link no data tables. Next step: Search peer-reviewed PBIDS/HDSS outputs; record each as sentinel-site.	data/siaya-health.json
annual trend 2014–2024	Only two KDHS rounds give comparable county survey values; annual routine data were not retrievable. Next step: None without KHIS access; gaps are listed, not filled.	data/siaya-health.json
Ten-year history	FY2013/14: approved budget and pending bills not shown (only spending, absorption and revenue quoted in the FY2014/15 report). FY2014/15: pending recurrent bills were not reported.	data/history.json
Ten-year history	FY2019/20: Controller of Budget report not found. The annual county report for this year is not in the Parliament library and cob.go.ke was unreachable (21 Nov 2026; searched again 27 Nov 2026), so the series has no approved budget, recurrent/development split, spending, absorption, own-source revenue target or pending bills for it. Own-source revenue (KSh 179.43m) comes from the FY2020/21 report. The county's Budget Review and Outlook Paper (budget by part, spending, absorption, own-source revenue and its target), the FY2020/21 report's look-back figures (own-source revenue, development spending of KSh 2.12bn, balance brought forward, statutory deductions) and the Senate figures are listed under supplementary and on /counties/siaya/ledger/ (fiscal reconciliation); they are not used in the series. Where they disagree (own-source revenue 184.25 against 179.43; development spending 2,155.01 against 2,120) both values are in the conflict register.	data/history.json
Ten-year history	Audit opinions for FY2016/17 to FY2018/19: the Auditor-General's own reports are still not held. The opinions shown come from the Parliamentary Budget Office's County Fact Sheets 2024, an official compilation (secondary), as explained under audits.	data/history.json
Ten-year history	FY2025/26: the full year is read from Part 1 of the Controller of Budget annual county report for FY2025/26 (August 2026), whose chapter 2 tables give every county's budget, spending, absorption, own-source revenue and trade payables (scanned; read by OCR twice). Part 2, which holds the Siaya chapter (its narrative, department tables and wage-bill ratio), is not in the Parliament library, so those details remain a gap. The in-year reports (first quarter and first half) stay under in_year as partial-year figures and are not compared with the full year.	data/history.json

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ITEM	REASON	DATA FILE
Global Fund grants (not captured)	The Global Fund data API address tried (fetch.theglobalfund.org v3.4 OData) returned 404. Kenya grants go to national principal recipients and are not split by county in the public grant list; Siaya amounts would need sub-recipient reports.	`data/siaya-programmes.json`
foreignassistance.gov / USAID DEC (blocked)	foreignassistance.gov returned 403 to the request. USAID and CDC activities above come from the same publishers' IATI files. DEC evaluations for Siaya were not searched.	`data/siaya-programmes.json`
IATI Datastore (not used)	d-portal serves the same IATI XML; the Datastore API needs a key.	`data/siaya-programmes.json`
Kenya Red Cross Siaya flood records (not captured)	No Siaya-specific record in saved sources.	`data/siaya-programmes.json`
County development partner register (not captured)	The county website menu lists 'Development Partners Programmes' (KDSP II, KeLCoP) but no partner register with amounts was saved.	`data/siaya-programmes.json`
Independent evaluations with Siaya disaggregation (none found)	World Bank IEG ratings cover whole projects; no evaluation in the saved sources reports Siaya-specific results (R-006).	`data/siaya-programmes.json`
Siaya-specific spend of multi-county programmes (not captured)	Only the county-booked grants (SIA-G-018 to SIA-G-028) give Siaya amounts. All other amounts are pooled totals.	`data/siaya-programmes.json`

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11. Bibliography and document versions

Every document cited by a figure in this report, with the SHA-256 digest of the file version read (conventions).

KEY	TITLE, PUBLISHER, DATE	SHA-256	URL	LICENCE
CIDP-2023	County Government of Siaya, County Integrated Development Plan 2023–2027 (final print file). County Government of Siaya. not stated (PDF created 2024-01-24). Period: 2023–2027; statistics 'as at 2022'.	650a5bdf71c5d4d43247a837752e0c3f2978d4ef53853033566278e7e6be9d0d	https://siaya.go.ke/wp-content/uploads/2026/10/County-Government-of-Siaya-CIDP-2023-2027-Final-Print-File-2024.pdf	© County Government of Siaya, all rights reserved: link and cite only (terms)
GOV-03	County Budget Review and Outlook Paper for FY 2024/25. County Government of Siaya. 2025-09. Period: Review of FY 2024/25 (cover dated September 2025).	8dd26cf1995be1a428ff39c9a9609e5339e366a3394b3631cdd6cdcac47b11b0	https://siaya.go.ke/?cgdp_download=30799	© County Government of Siaya, rights reserved; figures citable, not redistributed (terms)
HDSS-2012	Profile: The KEMRI/CDC Health and Demographic Surveillance System - Western Kenya (Odhiambo et al., Int J Epidemiol 2012;41(4):977). International Journal of Epidemiology (PubMed Central PMC12083774). 2012. Period: HDSS 2001–2011.	d6b5e13ef37d13bb9d6586fdecbd6fb61bc3643c97a9e130cf39bd6792303e46	https://pmc.ncbi.nlm.nih.gov/articles/PMC12083774/	No licence stated; link and cite only (terms)
HEALTH-01	Siaya County Strengthens Integrated Response to HIV, TB, Malaria and NCDs Through New Syndemic Operational Plan. County Government of Siaya (Department of Health and Sanitation). 2026-05-12. Period: County Operational Plan aligned to KASF 2025–2030.	1461a650de76bcb4e815f4c34f919750858f55dab55dfc7739e4119b5b48d0d3	https://siaya.go.ke/?p=29820	© County Government of Siaya, rights reserved; figures citable, not redistributed (terms)
HEALTH-02	Siaya moves to strengthen community health system after baseline assessment. County Government of Siaya. not stated. Period: Baseline assessment, September 2026.	not recorded	https://siaya.go.ke/siaya/siaya-moves-to-strengthen-community-health-system-after-baseline-assessment/	© County Government of Siaya, rights reserved; figures citable, not redistributed (terms)
IATI-DPORTAL-SIAYA	IATI activities matching 'Siaya' for country KE, via d-portal (q.json list and q.xml per activity). IATI publishers as named per activity; served by d-portal.org. live service, read 2026-11-21. Period: Activities ending 2016 or later (139 of 158 matches downloaded).	e18c91d4ed5f3a777fa24031e175facad1b936ed1b4f92a8b6409c7d617399a1	https://d-portal.org/q.json?from=act,country&country_code=KE&text_search=Siaya	Not stated: link and cite only (terms)
KDHS-2014	Kenya Demographic and Health Survey 2014 (final report, FR308). Kenya National Bureau of Statistics, Ministry of Health and partners; published by The DHS Program. 2015-12. Period: Fieldwork May-Oct 2014.	5ac71fce63afa5246cd58c2c3fdf26f6b01f42dd45b16c93b200989335e189cf	https://dhsprogram.com/pubs/pdf/fr308/fr308.pdf	The DHS Program terms of use: link and cite (terms)
KDHS-2022-KIR	Kenya Demographic and Health Survey 2022: Key Indicators Report (PR143). Kenya National Bureau of Statistics and Ministry of Health; published by The DHS Program. 2023. Period: Fieldwork Feb-Jul 2022.	e18cd1e9cb5e0fd2daffc4db76c316ee379e3a60ea2563d84e3bc2149e214200	https://dhsprogram.com/pubs/pdf/PR143/PR143.pdf	The DHS Program terms of use: link and cite (terms)
KHE-2015	Kenya HIV Estimates Report 2015. National AIDS Control Council (now NSDCC). not stated. Period: 2015.	5eefc8d08ba4dee895929820c4b137f3cc7a33425905c9a83e089f0f1a9e3a41	https://nsdcc.go.ke/wp-content/uploads/2024/07/KENYA-HIV-ESTIMATES-2015.pdf	No licence stated; figures citable, not redistributed (terms)
KHE-2018	Kenya HIV Estimates Report 2018. National AIDS Control Council (now NSDCC). 2018. Period: 2017.	92cbcc81d3f0abe572653d0f3e8504f8fe4e030482fd18f6f0a6bff9b5a7ee4c	https://nsdcc.go.ke/wp-content/uploads/2024/07/HIV-ESTIMATES-REPORT-IN-KENYA-2018.pdf	No licence stated; figures citable, not redistributed (terms)

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KEY	TITLE, PUBLISHER, DATE	SHA-256	URL	LICENCE
KNBS-ABS-2015	Siaya County Statistical Abstract 2015. Kenya National Bureau of Statistics. 2015. Period: 2013–2014.	3e7cfa7105a03dc01ef346ad2ea2aea65cd9b9f7c17614cd15fa9f5b56fddb13	https://repository.knbs.or.ke/server/api/core/bitstreams/8d50c7f5-b6c2-4c90-b5d3-a85b8dd7392c/content	CC BY-NC 4.0 (repository record) (terms)
NSDCC-POSTER-2022	The State of HIV Prevention in Siaya 2022 (County HIV Posters 2022, updated). National Syndemic Diseases Control Council and Ministry of Health. 2022-12-09. Period: HIV estimates 2022; KHIS to Dec 2021.	f2c4b83babce093833b590a81e108bedeb359a7906c9d370ea1d085766b89a91	https://nsdcc.go.ke/wp-content/uploads/2023/04/County-HIV-Posters_2022-Updated.pdf	No licence stated; figures citable, not redistributed (terms)
NSDCC-PROFILES-2026	NSDCC County Profiles 2026 (Siaya County HIV Burden 2026). National Syndemic Diseases Control Council. 2026-07-02. Period: Kenya HIV Estimates 2025.	b1467eaed37838344513981c222e8fac671c9f09cd3458179f4ac46e9da61aaa	https://nsdcc.go.ke/wp-content/uploads/2026/07/Nsdcc-County-Profiles-2026.pdf	No licence stated; figures citable, not redistributed (terms)
NTLD-AR-2023	National Tuberculosis, Leprosy and Lung Disease Program, Annual Report 2023. Ministry of Health, NTLD-P. not stated. Period: 2023.	87f52b02fbc19537bd5c521c167a44aeb5bf89cdaf381907e54d573e7b05b2ea	https://nltp.co.ke/wp-content/uploads/2026/03/2023-Annual-Report.pdf	No licence stated; figures citable, not redistributed (terms)
SCASP-2015	Siaya County HIV and AIDS Strategic Plan 2015/16–2018/19. County Government of Siaya with the National AIDS Control Council (hosted by NSDCC). not stated (cites 2016 data). Period: 2013 and 2015 estimates; 2016 programme data.	3bc1885d01caa4c26ec00ba06a4002f7b80bd61ae826bb325c5d5fbf668ab873	https://nsdcc.go.ke/wp-content/uploads/2021/08/siaya.pdf	Document p.4 (PDF): may be freely reviewed, quoted, reproduced or translated with acknowledgement; not to be sold or used for commercial purposes (terms)
WB-PROJECTS-API-KE	World Bank Projects API v3, all projects with country code KE (fl=*), 370 records. World Bank Group. live service, read 2026-11-21. Period: Projects approved 1990s-2027.	20b09604a3346a6a0b56e22ea42dc0cb16d8d834867a76daaeffdcadf00908f9	https://search.worldbank.org/api/v3/projects?format=json&countrycode_exact=KE&rows=500&fl=*	Not stated: link and cite only (terms)

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12. Snapshot, method and licence

Snapshot ID e1c910401649 identifies the input files below and the review state of every value at the time of printing (review state: 72 provisional, 0 approved, 54 disputed, 0 superseded, 0 withdrawn). How it is computed, the method, the confidence scales and the licence are at How to read these reports (takwimu.netlify.app/reports/method/). This report contains no personal data and names no contractor or individual.

INPUT FILE	SHA-256
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data/siaya-analysis.json	c73bad4b054873c66d3c567e1a0f89f735edf908c985958b03352113b8ffd014
data/siaya-health.json	e946ebaa40d3ba3ed86eea356d8a6be22f2514dcb878d44666ab21a20409fafd
data/siaya-programmes.json	228a58e5f0aedd7312af4910b3e942192f77442f7b270fce028b1e702eb0757d
data/source-library.json	3504c8e0b46ea08561b9eaf3e4de380fb86b8f3cc8dfb52de64f197cd15f4061
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review state (lib/review-status.js)	c4c5999885c9455aa47d12ef0c98a257d2b6260d2fa60949ac40d55ea54d5c54

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