TAKWIMU KENYA · REPORT A

# Siaya County Evidence Compendium

Demographics, economy, public finance, services, environment, governance and partners, from the documents held

**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**Review state: 317 provisional, 0 approved, 142 disputed, 0 superseded, 0 withdrawn.**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approved in editorial review; DISPUTED the data file records a conflict for this value (both readings are kept); SUPERSEDED replaced by a later reading; a withdrawn value prints the withdrawal and its reason instead of the number.

EDITION
Edition 1 (draft for editorial review)

DATE
2026-11-27 (latest compile date of the input data files)

REFERENCE PERIOD
2009 to 2027 (earliest and latest years in the figures shown)

SNAPSHOT ID
9e4f828ecba7

GEOGRAPHY
Siaya County (county code 41), Kenya

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

## Contents

1. Executive summary
2. Demographics and economy
3. Public finance
4. Health
5. Education
6. Agriculture and fisheries
7. Climate, water and environment
8. Infrastructure and project delivery
9. Governance and audit
10. NGO, CSO and donor ecosystem
11. Ward and sub-county disparities
12. Investment opportunities
13. Data gaps
14. Indicator dictionary
15. Bibliography and document versions
16. Snapshot, method and licence

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. Executive summary

Canonical topic pages: Siaya economy (takwimu.netlify.app/counties/siaya/economy/); Siaya fiscal ledger (every source value, own-source revenue) (takwimu.netlify.app/counties/siaya/ledger/); Siaya audits (takwimu.netlify.app/counties/siaya/audits/); Siaya programmes (NGO, CSO and donor) (takwimu.netlify.app/counties/siaya/programmes/).

## Findings

- Population at the 2019 census: **993,183 persons** [KNBS 2019 census, as reproduced in the Siaya CIDP 2023–2027 (data/county.json), PDF p. 28 (printed 9); confidence 4 of 5] (KNBS, as reproduced in the county plan). Projections are listed separately and are not census counts.
- Gross County Product in 2024 at current prices: **163,867 KSh million** [KNBS-01-PDF, PDF p. 33 (printed 19); confidence 5 of 5] (KNBS GCP 2025; KNBS marks 2024 provisional).
- Approved budget for FY 2024/25 as the Controller of Budget reports it: **10.94 KSh billion** [cob-report-2024-25, PDF p. 474 (printed 431); confidence 4 of 5]; total expenditure in the same report: **7.75 KSh billion** DISPUTED [cob-report-2024-25, PDF p. 478 (printed 435); confidence 4 of 5].
- Own-source revenue for FY 2024/25 in the Controller of Budget report: **436.68 KSh million** DISPUTED [cob-report-2024-25, PDF p. 476 (printed 433); confidence 4 of 5]. Other documents give different totals for the same year; all are listed in section 3 and in Report B.
- Latest audit opinion held for the County Executive: **Qualified Opinion** [audit-2024-25, PDF p. 47; confidence 3 of 5].
- Programme records in the partner atlas: **73 records** [Takwimu programme atlas summary (data/siaya-programmes.json), Not stated; count compiled by Takwimu, not graded], of which **28 records** [Takwimu programme atlas summary (data/siaya-programmes.json), Not stated; count compiled by Takwimu, not graded] are Siaya-specific.

> **Interpretation (Takwimu editorial, not a finding)**
>
> The documents held describe a county whose budget is financed mostly by national transfers, with a large and disputed pending-bills stock and repeated audit findings. Service indicators come from surveys and plans of different vintages, so they show direction more reliably than levels.

# 2. Demographics and economy

Canonical topic pages: Siaya people (population, poverty, demographics) (takwimu.netlify.app/counties/siaya/people/); Siaya wards and sub-counties (takwimu.netlify.app/counties/siaya/wards/).

## Findings

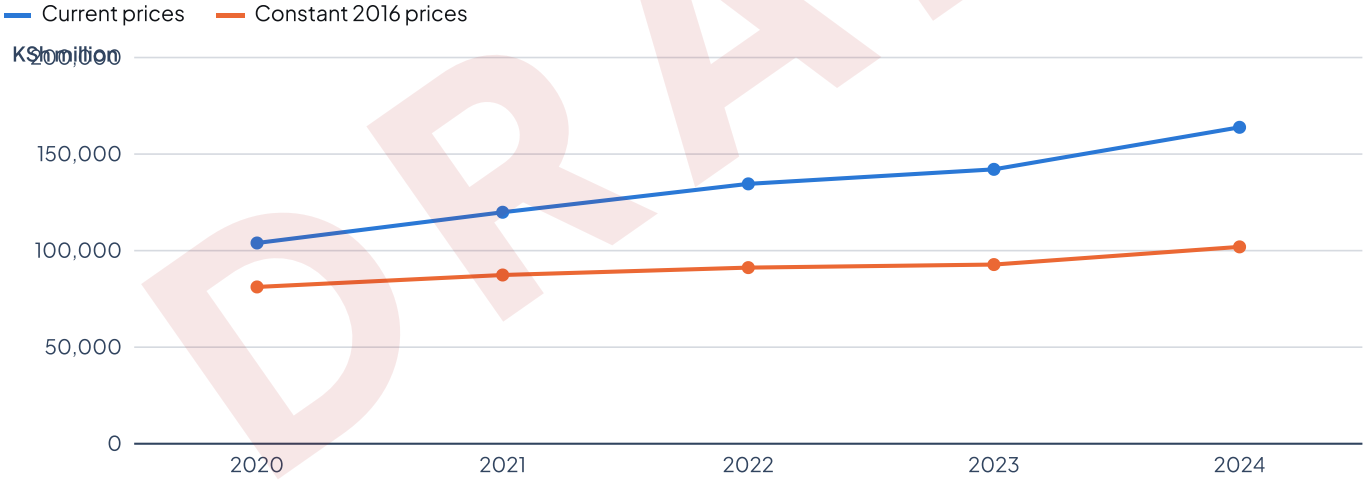
**Population: census counts and official projections (projections are not counts)**

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Population (census)[1] | 842,304 persons | 2009 | KNBS 2009 census, as re-produced in Siaya ADP 2015/16 and 2018/19 | PDF p. 11 (printed 3) | 4 of 5 |
| Population (projection)[2] | 886,417 persons | 2012 | KNBS census and county plans (as repro-duced in the county plans) | PDF p. 11 (printed 3) | 3 of 5 |

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Population (projection)[3] | 932,795 persons | 2015 | KNBS census and county plans (as reproduced in the county plans) | PDF p. 11 (printed 3) | 3 of 5 |
| Population (projection)[3] | 965,103 persons | 2017 | KNBS census and county plans (as reproduced in the county plans) | PDF p. 11 (printed 3) | 3 of 5 |
| Population (census)[1] | 993,183 persons | 2019 | KNBS 2019 census, as reproduced in the Siaya CIDP 2023–2027 (data/county.json) | PDF p. 28 (printed 9) | 4 of 5 |
| Population (projection)[3] | 1,040,616 persons | 2022 | Siaya CIDP 2023–2027 (data/county.json) | PDF p. 28 (printed 9) | 3 of 5 |

1. census.
2. 885,762 in the text of the same plans; 886,417 in their constituency table.
3. projection.

### Gross County Product, KSh million, by price basis (KNBS GCP 2025)




### Table for the chart: Gross County Product, KSh million, by price basis (KNBS GCP 2025)

| INDICATOR | VALUE | PERIOD | PAGE |
|---|---|---|---|
| Current prices, 2020[1] | 103,951 KSh million | 2020 | PDF p. 33 (printed 19) |
| Current prices, 2021[1] | 119,870 KSh million | 2021 | PDF p. 33 (printed 19) |
| Current prices, 2022[1] | 134,574 KSh million | 2022 | PDF p. 33 (printed 19) |
| Current prices, 2023[1] | 142,092 KSh million | 2023 | PDF p. 33 (printed 19) |
| Current prices, 2024[1,2] | 163,867 KSh million | 2024 | PDF p. 33 (printed 19) |

DRAFT

| INDICATOR | VALUE | PERIOD | PAGE |
|---|---|---|---|
| Constant 2016 prices, 2020 [3] | 81,188 KSh million | 2020 | PDF p. 45 (printed 31) |
| Constant 2016 prices, 2021 [3] | 87,376 KSh million | 2021 | PDF p. 45 (printed 31) |
| Constant 2016 prices, 2022 [3] | 91,204 KSh million | 2022 | PDF p. 45 (printed 31) |
| Constant 2016 prices, 2023 [3] | 92,782 KSh million | 2023 | PDF p. 45 (printed 31) |
| Constant 2016 prices, 2024 [3,2] | 101,944 KSh million | 2024 | PDF p. 45 (printed 31) |

**Every row:** source KNBS-01-PDF; confidence 5 of 5.

1. Table 8: Gross County Product at Current Prices+, 2020–2024.
2. KNBS marks the year provisional.
3. Table 10: Gross County Product at Constant 2016 Prices+, 2020–2024.

### Share of the sum of county gross value added (not a share of GDP; see data gaps)

| INDICATOR | VALUE | PERIOD |
|---|---|---|
| Share of county gva total (current prices, GCP2025) [1] | 1.1 percent | 2020 |
| Share of county gva total (current prices, GCP2025) [1] | 1.1 percent | 2021 |
| Share of county gva total (current prices, GCP2025) [1] | 1.1 percent | 2022 |
| Share of county gva total (current prices, GCP2025) [1] | 1 percent | 2023 |
| Share of county gva total (current prices, GCP2025) [1,2] | 1.1 percent | 2024 |
| Share of county gva total (current prices, GCP2025) [3,2] | 1.1 percent | 2020–2024 |

**Every row:** source KNBS-01-PDF; page PDF p. 35 (printed 21); confidence 5 of 5.

1. Table 9: County Contribution to Gross Value Added+, 2020–2024.
2. KNBS marks the year provisional.
3. Table 9: County Contribution to Gross Value Added+, 2020–2024 (5-Year Average column).

### Gross County Product revisions between the 2024 and 2025 editions (both kept)

| MEASURE | PERIOD | GCP 2024 EDITION | GCP 2025 EDITION | DIFFERENCE | POSSIBLE REASON |
|---|---|---|---|---|---|
| Gross County Product (current) | 2020 | 103,899 KSh million<br>KNBS-02-PDF; PDF p. 28 (printed 14); 2020; confidence 5 of 5. | 103,951 KSh million<br>KNBS-01-PDF; PDF p. 33 (printed 19); 2020; confidence 5 of 5. | 0.1% | – |
| Gross County Product (current) | 2021 | 119,912 KSh million<br>KNBS-02-PDF; PDF p. 28 (printed 14); 2021; confidence 5 of 5. | 119,870 KSh million<br>KNBS-01-PDF; PDF p. 33 (printed 19); 2021; confidence 5 of 5. | 0% | – |
| Gross County Product (current) | 2022 | 134,580 KSh million<br>KNBS-02-PDF; PDF p. 28 (printed 14); 2022; confidence 5 of 5. | 134,574 KSh million<br>KNBS-01-PDF; PDF p. 33 (printed 19); 2022; confidence 5 of 5. | 0% | – |
| Gross County Product (current) | 2023 | 144,288 KSh million<br>KNBS-02-PDF; PDF p. 28 (printed 14); 2023; confidence 5 of 5. | 142,092 KSh million<br>KNBS-01-PDF; PDF p. 33 (printed 19); 2023; confidence 5 of 5. | -1.5% | – |
| Gross County Product (constant 2016) | 2020 | 81,146 KSh million<br>KNBS-02-PDF; PDF p. 41 (printed 27); 2020; confidence 5 of 5. | 81,188 KSh million<br>KNBS-01-PDF; PDF p. 45 (printed 31); 2020; confidence 5 of 5. | 0.1% | – |
| Gross County Product (constant 2016) | 2021 | 87,460 KSh million<br>KNBS-02-PDF; PDF p. 41 (printed 27); 2021; confidence 5 of 5. | 87,376 KSh million<br>KNBS-01-PDF; PDF p. 45 (printed 31); 2021; confidence 5 of 5. | -0.1% | – |
| Gross County Product (constant 2016) | 2022 | 91,208 KSh million<br>KNBS-02-PDF; PDF p. 41 (printed 27); 2022; confidence 5 of 5. | 91,204 KSh million<br>KNBS-01-PDF; PDF p. 45 (printed 31); 2022; confidence 5 of 5. | 0% | – |

DRAFT

| MEASURE | PERIOD | GCP 2024 EDITION | GCP 2025 EDITION | DIFFERENCE | POSSIBLE REASON |
|---|---|---|---|---|---|
| Gross County Product (constant 2016) | 2023 | **93,143 KSh million** KNBS-02-PDF; PDF p. 41 (printed 27); 2023; confidence 5 of 5. | **92,782 KSh million** KNBS-01-PDF; PDF p. 45 (printed 31); 2023; confidence 5 of 5. | **-0.4%** | – |

**Interpretation (Takwimu editorial, not a finding)**

KNBS revises earlier years in each edition; the two editions are kept side by side and the later one is used only where a single series is needed. A share of county GVA is not a share of national GDP.

# 3. Public finance

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

## Findings

**Approved budget and total expenditure, KSh million (Controller of Budget reports)**

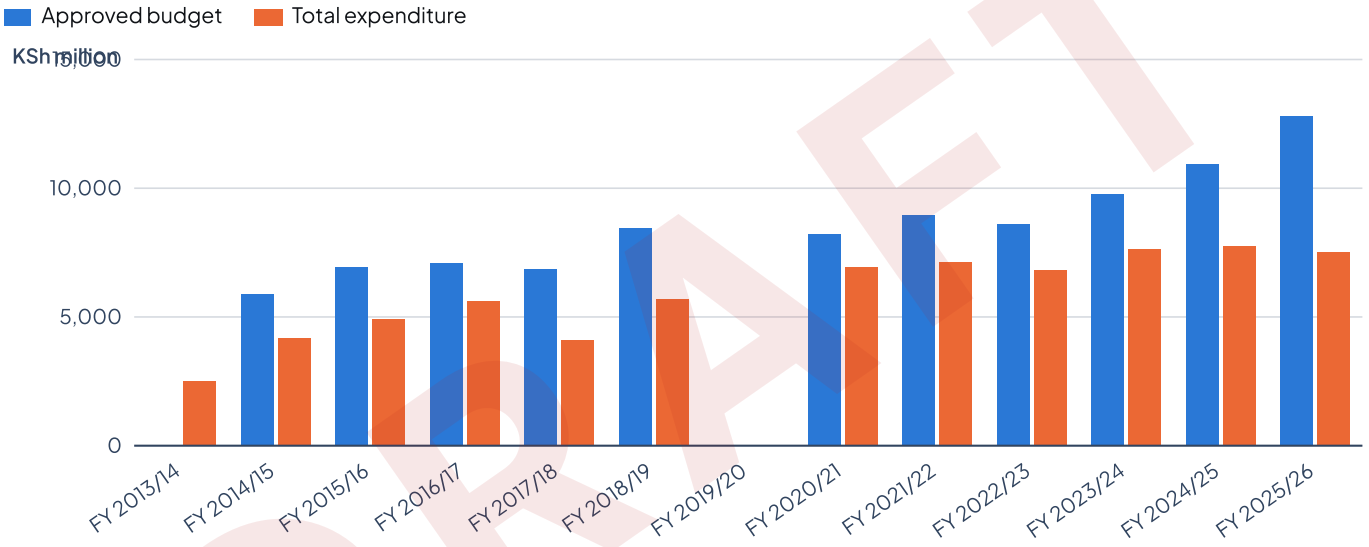



**Table for the chart: Approved budget and total expenditure, KSh million (Controller of Budget reports)**

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Approved budget, FY 2014/15 [1,2,3] | **5.89 KSh billion** | FY 2014/15 | cob-report-2014-15 | PDF p. 248 | 4 of 5 |
| Approved budget, FY 2015/16 [4,5,3] | **6.95 KSh billion** | FY 2015/16 | cob-report-2015-16 | PDF p. 275 (printed 253) | 3 of 5 |
| Approved budget, FY 2016/17 [1,2,3] | **7.07 KSh billion** | FY 2016/17 | cob-report-2016-17 | PDF p. 275 (printed 253) | 4 of 5 |
| Approved budget, FY 2017/18 [1,2,3] | **6.85 KSh billion** | FY 2017/18 | cob-report-2017-18 | PDF p. 268 (printed 247) | 4 of 5 |
| Approved budget, FY 2018/19 [1,2,3] | **8.44 KSh billion** | FY 2018/19 | cob-report-2018-19 | PDF p. 269 (printed 246) | 4 of 5 |
| Approved budget, FY 2020/21 [4,2,3] | **8.22 KSh billion** | FY 2020/21 | cob-report-2020-21 | PDF p. 372 | 4 of 5 |

DRAFT

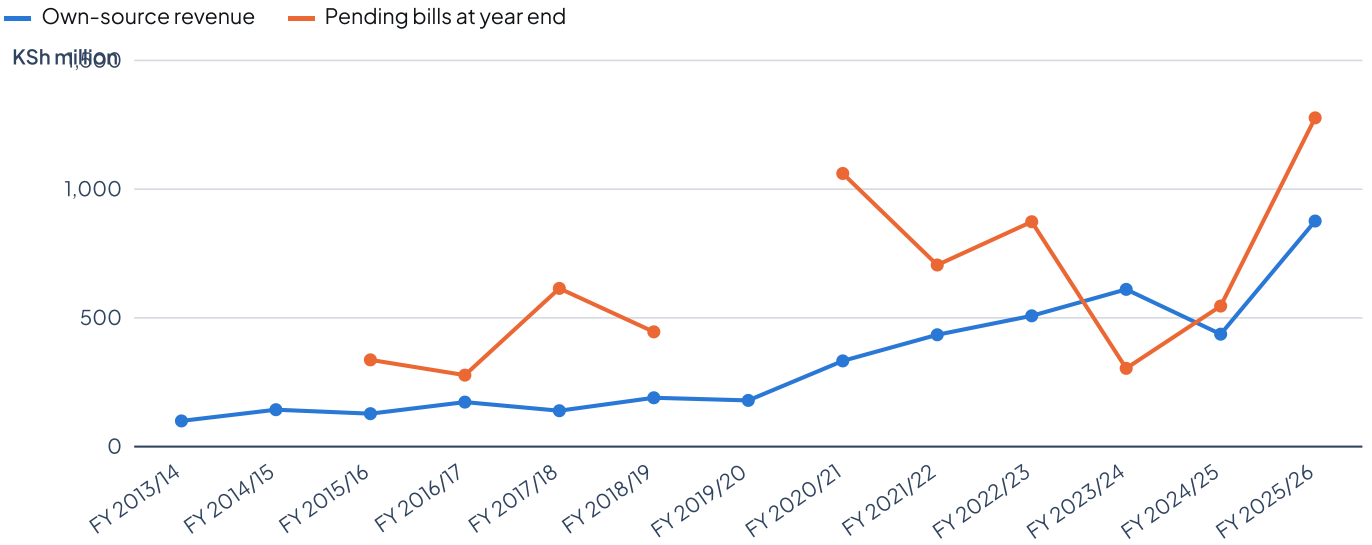
| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Approved budget, FY 2021/22 [4,2,3] | 8.97 KSh billion | FY 2021/22 | cob-report-2021–22 | PDF p. 407 (printed 383) | 3 of 5 |
| Approved budget, FY 2022/23 [4,2,3] | 8.6 KSh billion | FY 2022/23 | cob-report-2022–23 | PDF p. 575 (printed 549) | 3 of 5 |
| Approved budget, FY 2023/24 [4,2,3] | 9.76 KSh billion DISPUTED | FY 2023/24 | cob-report-2023–24 | PDF p. 510 (printed 487) | 3 of 5 |
| Approved budget, FY 2024/25 [4,2,3] | 10.94 KSh billion | FY 2024/25 | cob-report-2024–25 | PDF p. 474 (printed 431) | 4 of 5 |
| Approved budget, FY 2025/26 [6,5] | 12,790 KSh million | FY 2025/26 | cob-q1–2025–26 | PDF p. 525 (printed 479) | 3 of 5 |
| Total expenditure, FY 2013/14 [2,3] | 2.5 KSh billion | FY 2013/14 | cob-report-2014–15 | PDF p. 249 | 4 of 5 |
| Total expenditure, FY 2014/15 [2,3] | 4.17 KSh billion | FY 2014/15 | cob-report-2014–15 | PDF p. 249 | 4 of 5 |
| Total expenditure, FY 2015/16 [5,3] | 4.93 KSh billion | FY 2015/16 | cob-report-2015–16 | PDF p. 277 (printed 255) | 3 of 5 |
| Total expenditure, FY 2016/17 [2,3] | 5.63 KSh billion | FY 2016/17 | cob-report-2016–17 | PDF p. 276 (printed 254) | 4 of 5 |
| Total expenditure, FY 2017/18 [2,3] | 4.11 KSh billion | FY 2017/18 | cob-report-2017–18 | PDF p. 270 (printed 249) | 4 of 5 |
| Total expenditure, FY 2018/19 [2,3] | 5.7 KSh billion | FY 2018/19 | cob-report-2018–19 | PDF p. 271 (printed 248) | 4 of 5 |
| Total expenditure, FY 2020/21 [2,3] | 6.95 KSh billion | FY 2020/21 | cob-report-2020–21 | PDF p. 374 | 4 of 5 |
| Total expenditure, FY 2021/22 [2,3] | 7.11 KSh billion | FY 2021/22 | cob-report-2021–22 | PDF p. 409 (printed 385) | 3 of 5 |
| Total expenditure, FY 2022/23 [2,3] | 6.8 KSh billion | FY 2022/23 | cob-report-2022–23 | PDF p. 578 (printed 552) | 3 of 5 |
| Total expenditure, FY 2023/24 [2,3] | 7.63 KSh billion DISPUTED | FY 2023/24 | cob-report-2023–24 | PDF p. 513 (printed 490) | 3 of 5 |
| Total expenditure, FY 2024/25 [2,3] | 7.75 KSh billion DISPUTED | FY 2024/25 | cob-report-2024–25 | PDF p. 478 (printed 435) | 4 of 5 |
| Total expenditure, FY 2025/26 [7,3] | 7.5 KSh billion DISPUTED | FY 2025/26 | cob-report-2025–26 | PDF p. 43 | 3 of 5 |

**Every row:** Scope: county government (executive and assembly).

1. Budget version: supplementary.
2. Read: text.
3. The chart shows this value in KSh million.
4. Budget version: not stated.
5. Read: ocr-rapidocr.
6. Budget version: original.
7. Read: ocr-tesseract.

DRAFT

### Own-source revenue and closing pending bills, KSh million (Controller of Budget reports)




### Table for the chart: Own-source revenue and closing pending bills, KSh million (Controller of Budget reports)

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Own-source revenue, FY 2013/14 [1,2] | 99.77 KSh million | FY 2013/14 | cob-report-2014-15 | PDF p. 248 | 4 of 5 |
| Own-source revenue, FY 2014/15 [1,2] | 143.33 KSh million | FY 2014/15 | cob-report-2014-15 | PDF p. 248 | 4 of 5 |
| Own-source revenue, FY 2015/16 [1,3] | 127.93 KSh million DISPUTED | FY 2015/16 | cob-report-2015-16 | PDF p. 275 (printed 253) | 3 of 5 |
| Own-source revenue, FY 2016/17 [1,2] | 172.84 KSh million | FY 2016/17 | cob-report-2016-17 | PDF p. 275 (printed 253) | 4 of 5 |
| Own-source revenue, FY 2017/18 [1,2] | 139.34 KSh million | FY 2017/18 | cob-report-2017-18 | PDF p. 269 (printed 248) | 4 of 5 |
| Own-source revenue, FY 2018/19 [1,2] | 189.67 KSh million | FY 2018/19 | cob-report-2018-19 | PDF p. 269 (printed 246) | 4 of 5 |
| Own-source revenue, FY 2019/20 [1,2] | 179.43 KSh million DISPUTED | FY 2019/20 | cob-report-2020-21 | PDF p. 374 | 4 of 5 |
| Own-source revenue, FY 2020/21 [1,2] | 332.88 KSh million DISPUTED | FY 2020/21 | cob-report-2020-21 | PDF p. 372 | 4 of 5 |
| Own-source revenue, FY 2021/22 [1,2] | 434.38 KSh million | FY 2021/22 | cob-report-2021-22 | PDF p. 408 (printed 384) | 3 of 5 |
| Own-source revenue, FY 2022/23 [1,2] | 508.04 KSh million | FY 2022/23 | cob-report-2022-23 | PDF p. 577 (printed 551) | 3 of 5 |
| Own-source revenue, FY 2023/24 [1,3] | 610.74 KSh million DISPUTED | FY 2023/24 | cob-report-2023-24 | PDF p. 511 (printed 488) | 3 of 5 |
| Own-source revenue, FY 2024/25 [1,2] | 436.68 KSh million DISPUTED | FY 2024/25 | cob-report-2024-25 | PDF p. 476 (printed 433) | 4 of 5 |
| Own-source revenue, FY 2025/26 [1,4] | 876.14 KSh million DISPUTED | FY 2025/26 | cob-report-2025-26 | PDF p. 38 | 3 of 5 |
| Pending bills at year end, FY 2015/16 [5,3] | 336.95 KSh million | FY 2015/16 | cob-report-2015-16 | PDF p. 278 (printed 256) | 3 of 5 |

DRAFT

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Pending bills at year end, FY 2016/17 [5,2] | 277.59 KSh million | FY 2016/17 | cob-report-2016-17 | PDF p. 276 (printed 254) | 3 of 5 |
| Pending bills at year end, FY 2017/18 [5,2] | 614.5 KSh million | FY 2017/18 | cob-report-2017-18 | PDF p. 270 (printed 249) | 3 of 5 |
| Pending bills at year end, FY 2018/19 [5,2] | 445.68 KSh million DISPUTED | FY 2018/19 | cob-report-2018-19 | PDF p. 271 (printed 248) | 3 of 5 |
| Pending bills at year end, FY 2020/21 [5,2] | 1,060.92 KSh million DISPUTED | FY 2020/21 | cob-report-2020-21 | PDF p. 374 | 3 of 5 |
| Pending bills at year end, FY 2021/22 [5,2] | 705.38 KSh million DISPUTED | FY 2021/22 | cob-report-2021-22 | PDF p. 409 (printed 385) | 3 of 5 |
| Pending bills at year end, FY 2022/23 [5,3] | 873.38 KSh million DISPUTED | FY 2022/23 | cob-report-2022-23 | PDF p. 578 (printed 552) | 3 of 5 |
| Pending bills at year end, FY 2023/24 [6,3] | 303.91 KSh million DISPUTED | FY 2023/24 | cob-report-2023-24 | PDF p. 513 (printed 490) | 3 of 5 |
| Pending bills at year end, FY 2024/25 [6,3] | 545.95 KSh million DISPUTED | FY 2024/25 | cob-report-2024-25 | PDF p. 478 (printed 435) | 3 of 5 |
| Pending bills at year end, FY 2025/26 [1,4] | 1,276.88 KSh million | FY 2025/26 | cob-report-2025-26 | PDF p. 53 | 3 of 5 |

1. Scope: county government (executive and assembly).
2. Read: text.
3. Read: ocr-rapidocr.
4. Read: ocr-tesseract.
5. Scope: not stated.
6. Scope: county executive.

Every source value for these measures, the open discrepancy cases and the audit evidence are in Report B (Fiscal Accountability and Budget Execution).

> **Interpretation (Takwimu editorial, not a finding)**
>
> Spending has stayed below the approved budget in every year held. Own-source revenue remains small beside the budget. The pending-bills stock depends on which document and which date is used.

# 4. Health

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

## Findings

### Household survey indicators (KDHS 2014 and 2022): sample estimates without confidence intervals

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Children under 5 who slept under an ITN last night (0–4), Siaya County [1] | 77% | 2022 | KDHS-2022-KIR | PDF p. 64 (printed 54) | 4 of 5 |
| Women with a recent live birth who received 3+ doses of SP (IPTp) (15–49), Siaya County [1] | 33.8% | 2022 | KDHS-2022-KIR | PDF p. 66 (printed 56) | 3 of 5 |
| Antenatal care from a skilled provider (15–49), Siaya County [1] | 97.8% | 2014 | KDHS-2014 | PDF p. 151 (printed 123) | 4 of 5 |
| Antenatal care from a skilled provider (15–49), Siaya County [1] | 99.1% | 2022 | KDHS-2022-KIR | PDF p. 37 (printed 27) | 4 of 5 |
| Births attended by a skilled provider (births), Siaya County [1] | 70.4% | 2014 | KDHS-2014 | PDF p. 159 (printed 131) | 4 of 5 |

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Births attended by a skilled provider (births), Siaya County [1] | 94.9% DISPUTED | 2022 | KDHS-2022-KIR | PDF p. 37 (printed 27) | 4 of 5 |
| Births in a health facility (births), Siaya County [1] | 69.6% | 2014 | KDHS-2014 | PDF p. 157 (printed 129) | 4 of 5 |
| Births in a health facility (births), Siaya County [1] | 84.4% DISPUTED | 2022 | KDHS-2022-KIR | PDF p. 37 (printed 27) | 4 of 5 |
| Children 12–23 months fully vaccinated (12–23 months), Siaya County [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 [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 [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 [2] | 69.9% DISPUTED | 2022 | KDHS-2022-KIR | PDF p. 44 (printed 34) | 3 of 5 |
| Children under 5 who are stunted (below -2 SD) (0–59 months), Siaya County [3] | 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 [3] | 19.2% DISPUTED | 2022 | KDHS-2022-KIR | PDF p. 54 (printed 44) | 4 of 5 |

**Every row:** primary.

1. Household survey.
2. Household survey (card or mother's report).
3. Household survey, anthropometry (WHO standards).

Disease burden, staffing, community health units and conflicting HIV estimates are in Report C.

> **Interpretation (Takwimu editorial, not a finding)**
>
> Survey indicators for maternal care improved between the two surveys. They are samples, so small changes should not be over-read.

# 5. Education

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

## Findings

### Enrolment and teachers (Ministry of Education booklets, KNBS abstracts and county plan)

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Pre primary enrolment, pre-primary, public [1,2] | 65,179 pupils | 2019 | MOE-BESB-2019 | PDF p. 79 (printed 62) | 5 of 5 |
| Pre primary enrolment, pre-primary, private [1,2] | 34,553 pupils | 2019 | MOE-BESB-2019 | PDF p. 79 (printed 62) | 5 of 5 |
| Pre primary enrolment, pre-primary [1,2] | 99,732 pupils | 2019 | MOE-BESB-2019 | PDF p. 79 (printed 62) | 5 of 5 |
| Gross enrolment rate, pre-primary [3,2] | 190.7 percent DISPUTED | 2019 | MOE-BESB-2019 | PDF p. 77 (printed 60) | 2 of 5 |
| Pupil teacher ratio, pre-primary, public [1,2] | 45.5 pupils per teacher | 2019 | MOE-BESB-2019 | PDF p. 79 (printed 62) | 5 of 5 |
| Pupil teacher ratio, pre-primary, private [1,2] | 32.3 pupils per teacher | 2019 | MOE-BESB-2019 | PDF p. 79 (printed 62) | 5 of 5 |

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Pupil teacher ratio, pre-primary [1,2] | 39.9 pupils per teacher | 2019 | MOE-BESB-2019 | PDF p. 79 (printed 62) | 5 of 5 |
| Primary enrolment, primary [4,2] | 269,526 pupils | 2019 | MOE-BESB-2019 | PDF p. 88 (printed 71) | 5 of 5 |
| Primary enrolment, primary, public [5,2] | 253,492 pupils DISPUTED | 2019 | MOE-BESB-2019 | PDF p. 89 (printed 72) | 5 of 5 |
| Primary enrolment, primary, private [5,2] | 16,034 pupils | 2019 | MOE-BESB-2019 | PDF p. 89 (printed 72) | 5 of 5 |
| Gross enrolment rate, primary [6,2] | 114.99 percent DISPUTED | 2019 | MOE-BESB-2019 | PDF p. 86 (printed 69) | 4 of 5 |
| Primary enrolment, primary, public [7,2] | 249,980 pupils DISPUTED | 2019 | MOE-BESB-2019 | PDF p. 90 (printed 73) | 4 of 5 |
| Pupil teacher ratio, primary [4,2] | 38 pupils per teacher | 2019 | MOE-BESB-2019 | PDF p. 88 (printed 71) | 5 of 5 |
| Pupil teacher ratio, primary, public [5,2] | 42 pupils per teacher | 2019 | MOE-BESB-2019 | PDF p. 89 (printed 72) | 5 of 5 |
| Pupil teacher ratio, primary, private [5,2] | 17 pupils per teacher | 2019 | MOE-BESB-2019 | PDF p. 89 (printed 72) | 5 of 5 |
| Secondary enrolment, secondary [8,2] | 92,124 students | 2019 | MOE-BESB-2019 | PDF p. 107 (printed 90) | 5 of 5 |
| Secondary enrolment, secondary, public [9,2] | 91,962 students | 2019 | MOE-BESB-2019 | PDF p. 108 (printed 91) | 5 of 5 |
| Secondary enrolment, secondary, private [9,2] | 162 students | 2019 | MOE-BESB-2019 | PDF p. 108 (printed 91) | 5 of 5 |
| Gross enrolment rate, secondary [10,2] | 87.85 percent DISPUTED | 2019 | MOE-BESB-2019 | PDF p. 105 (printed 88) | 4 of 5 |
| Pupil teacher ratio, secondary [8,2] | 38 students per teacher | 2019 | MOE-BESB-2019 | PDF p. 107 (printed 90) | 5 of 5 |
| Pupil teacher ratio, secondary, public [9,2] | 38 students per teacher | 2019 | MOE-BESB-2019 | PDF p. 108 (printed 91) | 5 of 5 |
| Pupil teacher ratio, secondary, private [9,2] | 7 students per teacher | 2019 | MOE-BESB-2019 | PDF p. 108 (printed 91) | 5 of 5 |
| Pre primary enrolment, pre-primary, public [11,2] | 56,477 pupils | 2014 | MOE-BESB-2014 | PDF p. 51 (printed 37) | 5 of 5 |
| Pre primary enrolment, pre-primary, private [11,2] | 8,474 pupils | 2014 | MOE-BESB-2014 | PDF p. 51 (printed 37) | 5 of 5 |
| Pre primary enrolment, pre-primary [12,2] | 64,952 pupils DISPUTED | 2014 | MOE-BESB-2014 | PDF p. 46 (printed 32) | 5 of 5 |
| Gross enrolment rate, pre-primary [12,2] | 73.5 percent | 2014 | MOE-BESB-2014 | PDF p. 46 (printed 32) | 4 of 5 |
| Net enrolment rate, pre-primary [12,2] | 71.4 percent | 2014 | MOE-BESB-2014 | PDF p. 46 (printed 32) | 4 of 5 |

DRAFT

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Pupil teacher ratio, pre-primary, public [11,2] | 37.8 pupils per teacher | 2014 | MOE-BESB-2014 | PDF p. 51 (printed 37) | 5 of 5 |
| Pupil teacher ratio, pre-primary, private [11,2] | 19.6 pupils per teacher | 2014 | MOE-BESB-2014 | PDF p. 51 (printed 37) | 5 of 5 |
| Pupil teacher ratio, pre-primary [11,2] | 28.7 pupils per teacher DISPUTED | 2014 | MOE-BESB-2014 | PDF p. 51 (printed 37) | 2 of 5 |
| Primary enrolment, primary [13,2] | 257,141 pupils | 2014 | MOE-BESB-2014 | PDF p. 55 (printed 41) | 5 of 5 |
| Primary enrolment, primary, public [14,2] | 247,213 pupils | 2014 | MOE-BESB-2014 | PDF p. 52 (printed 38) | 5 of 5 |
| Primary enrolment, primary, private [14,2] | 9,928 pupils | 2014 | MOE-BESB-2014 | PDF p. 52 (printed 38) | 5 of 5 |
| Gross enrolment rate, primary [13,2] | 117 percent | 2014 | MOE-BESB-2014 | PDF p. 55 (printed 41) | 4 of 5 |
| Net enrolment rate, primary [13,2] | 95.7 percent | 2014 | MOE-BESB-2014 | PDF p. 55 (printed 41) | 4 of 5 |
| Pupil teacher ratio, primary, public_tsc [15,2] | 42.6 pupils per teacher | 2014 | MOE-BESB-2014 | PDF p. 75 (printed 61) | 5 of 5 |
| Pupil teacher ratio, primary, public [15,2] | 35.9 pupils per teacher | 2014 | MOE-BESB-2014 | PDF p. 75 (printed 61) | 5 of 5 |
| Pupil teacher ratio, primary, private [15,2] | 18.7 pupils per teacher | 2014 | MOE-BESB-2014 | PDF p. 75 (printed 61) | 5 of 5 |
| Pupil teacher ratio, primary [15,2] | 34.6 pupils per teacher | 2014 | MOE-BESB-2014 | PDF p. 75 (printed 61) | 5 of 5 |
| Secondary enrolment, secondary [16,2] | 64,256 students | 2014 | MOE-BESB-2014 | PDF p. 95 (printed 81) | 5 of 5 |
| Secondary enrolment, secondary, public [17,2] | 63,850 students | 2014 | MOE-BESB-2014 | PDF p. 92 (printed 78) | 5 of 5 |
| Secondary enrolment, secondary, private [17,2] | 406 students | 2014 | MOE-BESB-2014 | PDF p. 92 (printed 78) | 5 of 5 |
| Gross enrolment rate, secondary [16,2] | 75.1 percent | 2014 | MOE-BESB-2014 | PDF p. 95 (printed 81) | 4 of 5 |
| Net enrolment rate, secondary [16,2] | 62.6 percent | 2014 | MOE-BESB-2014 | PDF p. 95 (printed 81) | 4 of 5 |
| Pupil teacher ratio, secondary, public_tsc [18,2] | 34.3 students per teacher | 2014 | MOE-BESB-2014 | PDF p. 108 (printed 94) | 5 of 5 |
| Pupil teacher ratio, secondary, public [18,2] | 20.9 students per teacher | 2014 | MOE-BESB-2014 | PDF p. 108 (printed 94) | 5 of 5 |
| Pupil teacher ratio, secondary, private [18,2] | 10.4 students per teacher | 2014 | MOE-BESB-2014 | PDF p. 108 (printed 94) | 5 of 5 |
| Pupil teacher ratio, secondary [18,2] | 20.8 students per teacher | 2014 | MOE-BESB-2014 | PDF p. 108 (printed 94) | 5 of 5 |

DRAFT

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Pre primary enrolment, pre-primary [19,2] | 62,434 pupils | 2013 | KNBS-ABS-2015 | PDF p. 46 (printed 29) | 5 of 5 |
| Pre primary enrolment, pre-primary [19,20] | 64,952 pupils | 2014 | KNBS-ABS-2015 | PDF p. 46 (printed 29) | 5 of 5 |
| Gross enrolment rate, pre-primary [21,20] | 73.5 percent DISPUTED | 2014 | KNBS-ABS-2015 | PDF p. 46 (printed 29) | 3 of 5 |
| Net enrolment rate, pre-primary [21,20] | 71.4 percent | 2014 | KNBS-ABS-2015 | PDF p. 46 (printed 29) | 4 of 5 |
| Primary enrolment, primary [22,20] | 257,141 pupils | 2014 | KNBS-ABS-2015 | PDF p. 49 (printed 32) | 5 of 5 |
| Gross enrolment rate, primary [22,20] | 117 percent DISPUTED | 2014 | KNBS-ABS-2015 | PDF p. 49 (printed 32) | 3 of 5 |
| Net enrolment rate, primary [22,20] | 95.7 percent | 2014 | KNBS-ABS-2015 | PDF p. 49 (printed 32) | 4 of 5 |
| Secondary enrolment, secondary [23,20] | 64,256 students | 2014 | KNBS-ABS-2015 | PDF p. 51 (printed 34) | 5 of 5 |
| Gross enrolment rate, secondary [23,20] | 75.1 percent DISPUTED | 2014 | KNBS-ABS-2015 | PDF p. 51 (printed 34) | 3 of 5 |
| Net enrolment rate, secondary [23,20] | 62.6 percent | 2014 | KNBS-ABS-2015 | PDF p. 51 (printed 34) | 4 of 5 |
| Pre primary enrolment, pre-primary [24,2] | 76,680 pupils | 2018 (start of CIDP 2018–2022) | CIDP-2023–2027 | PDF p. 44 (printed 25) | 2 of 5 |
| Pre primary enrolment, pre-primary [24] | *Unclear: equals the projected 3-5 population; not shown as enrolment* DISPUTED | 2022 (end of CIDP 2018–2022) | CIDP-2023–2027 | PDF p. 44 (printed 25) | 1 of 5 |

1. Table 42.
2. actual.
3. Table 40.
4. Table 51.
5. Table 52.
6. Table 49.
7. Table 53.
8. Table 70.
9. Table 71.
10. Table 68.
11. Table 22.
12. Table 17.
13. Table 26.
14. Table 23.
15. Table 46.
16. Table 66.
17. Table 63.
18. Table 79.
19. Table 13.7.
20. provisional.
21. Table 13.8.
22. Table 13.13.
23. Table 13.19.
24. Section 2.3.4 (text).

## Education: inconsistencies kept side by side

### edu-c01: published ratio inconsistent

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 28.7 pupils per teacher DISPUTED | Pupil teacher ratio, pre-primary | MOE-BESB-2014; PDF p. 51 (printed 37) | 2014 | 2 of 5 |

DRAFT

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 64,952 pupils DISPUTED | Pre primary enrolment, pre-primary | MOE-BESB-2014; PDF p. 46 (printed 32) | 2014 | 5 of 5 |
| 1,926 teachers DISPUTED | Pre primary teachers, pre-primary | MOE-BESB-2014; PDF p. 51 (printed 37) | 2014 | 5 of 5 |

2014 ECDE total pupil-teacher ratio printed as 28.7; the published enrolment and teachers give 33.7. 28.7 is the mean of the public and private ratios. Handling: Printed value kept with confidence 2; show the computed 33.7 beside it, labelled as computed. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

### edu-c02: denominator mismatch

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 73.5 percent DISPUTED | Gross enrolment rate, pre-primary | KNBS-ABS-2015; PDF p. 46 (printed 29) | 2014 | 3 of 5 |
| 90,234 persons DISPUTED | Population age 3 5, population | KNBS-ABS-2015; PDF p. 25 (printed 8) | 2014 | 4 of 5 |
| 117 percent DISPUTED | Gross enrolment rate, primary | KNBS-ABS-2015; PDF p. 49 (printed 32) | 2014 | 3 of 5 |
| 209,177 persons DISPUTED | Population age 6 13, population | KNBS-ABS-2015; PDF p. 25 (printed 8) | 2014 | 4 of 5 |
| 75.1 percent DISPUTED | Gross enrolment rate, secondary | KNBS-ABS-2015; PDF p. 51 (printed 34) | 2014 | 3 of 5 |
| 92,469 persons DISPUTED | Population age 14 17, population | KNBS-ABS-2015; PDF p. 25 (printed 8) | 2014 | 4 of 5 |

The KNBS abstract GERs (ECDE 73.5, primary 117.0, secondary 75.1) do not reproduce from the abstract's own 2014 age-group projections (72.0, 122.9, 69.5). The GER denominator is not stated. Handling: Both kept; no GER is recomputed. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

### edu-c03: sex columns swapped

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 114.99 percent DISPUTED | Gross enrolment rate, primary | MOE-BESB-2019; PDF p. 86 (printed 69) | 2019 | 4 of 5 |
| 134,360 pupils DISPUTED | Primary enrolment, primary, female | MOE-BESB-2019; PDF p. 84 (printed 67) | 2019 | 5 of 5 |
| 135,166 pupils DISPUTED | Primary enrolment, primary, male | MOE-BESB-2019; PDF p. 84 (printed 67) | 2019 | 5 of 5 |
| 87.85 percent DISPUTED | Gross enrolment rate, secondary | MOE-BESB-2019; PDF p. 105 (printed 88) | 2019 | 4 of 5 |
| 46,573 students DISPUTED | Secondary enrolment, secondary, female | MOE-BESB-2019; PDF p. 103 (printed 86) | 2019 | 5 of 5 |
| 45,551 students DISPUTED | Secondary enrolment, secondary, male | MOE-BESB-2019; PDF p. 103 (printed 86) | 2019 | 5 of 5 |

2019 booklet Tables 49 and 68 print female and male enrolment the other way round from Tables 47 and 66. Handling: Sex-specific GERs from Tables 49 and 68 are not recorded; the totals are kept. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

### edu-c04: same metric different values

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 253,492 pupils DISPUTED | Primary enrolment, primary, public | MOE-BESB-2019; PDF p. 89 (printed 72) | 2019 | 5 of 5 |
| 249,980 pupils DISPUTED | Primary enrolment, primary, public | MOE-BESB-2019; PDF p. 90 (printed 73) | 2019 | 4 of 5 |

2019 public primary enrolment: 253,492 (Table 52) vs 249,980 (Table 53, by grade), in the same booklet. Handling: Shown side by side. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

### edu-c05: same metric different values

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 1,926 teachers DISPUTED | Pre primary teachers, pre-primary | MOE-BESB-2014; PDF p. 51 (printed 37) | 2014 | 5 of 5 |
| 1,824 teachers DISPUTED | Pre primary teachers, pre-primary | KNBS-ABS-2015; PDF p. 47 (printed 30) | 2014 | 4 of 5 |

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 2014 ECDE teachers: 1,926 (MoE booklet, public 1,494 + private 432) vs 1,824 (KNBS abstract, trained 1,031 + untrained 793, Ugunja untrained missing). Handling: Shown side by side; different coverage. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

### edu-c06: same metric different values

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 5,809 teachers DISPUTED | Primary teachers, primary, public_tsc | MOE-BESB-2014; PDF p. 74 (printed 60) | 2014 | 5 of 5 |
| 5,788 teachers DISPUTED | Primary teachers, primary, public_tsc | KNBS-ABS-2015; PDF p. 50 (printed 33) | 2014 | 5 of 5 |
| 1,861 teachers DISPUTED | Secondary teachers, secondary, public_tsc | MOE-BESB-2014; PDF p. 107 (printed 93) | 2014 | 5 of 5 |
| 1,967 teachers DISPUTED | Secondary teachers, secondary, public_tsc | KNBS-ABS-2015; PDF p. 52 (printed 35) | 2014 | 5 of 5 |
| 2014 TSC teachers: primary 5,809 (MoE) vs 5,788 (KNBS, TSC source); secondary 1,861 (MoE) vs 1,967 (KNBS). Handling: Shown side by side. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

### edu-c07: population used as enrolment

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| *Unclear: equals the projected 3-5 population; not shown as enrolment* DISPUTED | Pre primary enrolment, pre-primary | CIDP-2023-2027; PDF p. 44 (printed 25) | 2022 (end of CIDP 2018–2022) | 1 of 5 |
| 81,771 persons DISPUTED | Population age 3 5, population | CIDP-2023-2027; PDF p. 35 (printed 16) | 2022 | 3 of 5 |
| CIDP end-2022 "gross enrolment" in ECE (81,771) equals the CIDP's projected 3–5 population for 2022. Handling: Kept with confidence 1; do not chart as enrolment without this caveat. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

### edu-c08: same metric different values

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 608 teachers DISPUTED | Pre primary teachers, pre-primary | CIDP-2023-2027; PDF p. 143 (printed 124) | 2023 (plan baseline) | 2 of 5 |
| 1,431 teachers DISPUTED | Pre primary teachers, pre-primary, public | MOE-BESB-2019; PDF p. 79 (printed 62) | 2019 | 5 of 5 |
| 700 centres (approximate) DISPUTED | Pre primary centres, pre-primary | CIDP-2023-2027; PDF p. 143 (printed 124) | 2023 (plan baseline) | 2 of 5 |
| 679 centres DISPUTED | Pre primary centres, pre-primary, public | MOE-BESB-2019; PDF p. 80 (printed 63) | 2019 | 5 of 5 |
| CIDP (2023 baseline, undated): about 700 ECD centres and 608 ECD teachers. MoE 2019: 679 public pre-primary centres and 1,431 public pre-primary teachers. Handling: Shown side by side; different years and probably different definitions of teacher (county-employed vs all in public centres). All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

### edu-c09: implausible value

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 190.7 percent DISPUTED | Gross enrolment rate, pre-primary | MOE-BESB-2019; PDF p. 77 (printed 60) | 2019 | 2 of 5 |
| 81,771 persons DISPUTED | Population age 3 5, population | CIDP-2023-2027; PDF p. 35 (printed 16) | 2022 | 3 of 5 |
| 2019 pre-primary GER of 190.7% implies a denominator of about 52,300 children, while the projected 3–5 population is about 80,000. Handling: Kept with confidence 2; not charted as a rate. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

### edu-c10: same metric different values

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 16 institutions listed DISPUTED | Vtc centres, vtc | KNBS-ABS-2015; PDF p. 53 (printed 36) | 2014 | 3 of 5 |
| 35 centres DISPUTED | Vtc centres, vtc | CIDP-2023-2027; PDF p. 143 (printed 124) | 2023 (plan baseline) | 3 of 5 |
| VTCs: 16 institutions listed with enrolment in 2014 (KNBS) vs 35 VTCs in the CIDP (2023). Handling: Shown side by side; the KNBS figure is a row count, not a census of VTCs. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

DRAFT

**Interpretation (Takwimu editorial, not a finding)**

Pre-primary education is devolved to the county; primary and secondary are national functions, so county budgets explain only the pre-primary and vocational figures.

# 6. Agriculture and fisheries

Canonical topic page: Siaya agriculture and fisheries (takwimu.netlify.app/counties/siaya/agriculture/).

## Findings

### Crop production, fish landings and aquaculture as printed

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Production: maize [1] | 129,818 tonnes DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 3 of 5 |
| Production: maize [1] | 1,372,914 tonnes DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 1 of 5 |
| Production: beans [1] | 20,262 tonnes DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 3 of 5 |
| Production: beans [1] | 348,283 tonnes DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 1 of 5 |
| Production: sorghum [1] | 22,587 tonnes DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 3 of 5 |
| Production: sorghum [1] | 128,726 tonnes DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 1 of 5 |
| Production: rice [1] | 8,273 tonnes | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 3 of 5 |
| Production: rice [1] | 8,138 tonnes | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 1 of 5 |
| Production: cassava [1] | 87,606 tonnes | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 3 of 5 |
| Production: cassava [1] | 28,700 tonnes | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 28 (printed 11) | 1 of 5 |
| Production: maize [2] | 1,286,755 bags DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 29 (printed 12) | 3 of 5 |
| Production: maize [2] | 1,372,914 bags DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 29 (printed 12) | 3 of 5 |
| Production: beans [2] | 363,906 bags DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 29 (printed 12) | 3 of 5 |
| Production: beans [2] | 348,283 bags DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 29 (printed 12) | 3 of 5 |
| Production: sorghum [2] | 159,533 bags DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 29 (printed 12) | 3 of 5 |
| Production: sorghum [2] | 128,726 bags DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 29 (printed 12) | 3 of 5 |

DRAFT

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Fish landed quantity: capture freshwater[3] | 28,222 tonnes DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 36 (printed 19) | 4 of 5 |
| Aquaculture quantity: aquaculture[3] | 677 tonnes | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 36 (printed 19) | 4 of 5 |
| Fish landed quantity: capture freshwater[3] | 27,141 tonnes DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 36 (printed 19) | 4 of 5 |
| Aquaculture quantity: aquaculture[3] | 689 tonnes | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 36 (printed 19) | 4 of 5 |
| Fish landed quantity: capture lake victoria and kanyaboli[4] | 24,703 tonnes DISPUTED | 2013 | KNBS-CSA-SIAYA-2015 | PDF p. 36 (printed 19) | 4 of 5 |
| Fish landed quantity: capture lake victoria and kanyaboli[4] | 28,519 tonnes DISPUTED | 2014 | KNBS-CSA-SIAYA-2015 | PDF p. 36 (printed 19) | 4 of 5 |
| Fish production: fisheries all[5] | Not published DISPUTED | 2023 | GOV-01-PDF | PDF p. 39 (printed 20) | 1 of 5 |
| Production: sorghum (target)[6] | 32,000 thousand tonnes | 2018–2022 | GOV-01-PDF | PDF p. 42 (printed 23) | 1 of 5 |
| Production: sorghum[6] | 25,087 thousand tonnes DISPUTED | 2018–2022 | GOV-01-PDF | PDF p. 42 (printed 23) | 1 of 5 |
| Production: roots and tubers (target)[6] | 158,100 thousand tonnes | 2018–2022 | GOV-01-PDF | PDF p. 42 (printed 23) | 1 of 5 |
| Production: roots and tubers[6] | 139,500 thousand tonnes | 2018–2022 | GOV-01-PDF | PDF p. 42 (printed 23) | 1 of 5 |
| Fish production: capture freshwater[6] | 30,000 thousand tonnes DISPUTED | 2018–2022 | GOV-01-PDF | PDF p. 42 (printed 23) | 1 of 5 |
| Fish production: aquaculture[6] | 147.6 thousand tonnes | 2018–2022 | GOV-01-PDF | PDF p. 42 (printed 23) | 1 of 5 |
| Production: cereals[7] | 166,329,000 kg | 2022 | GOV-01-PDF | PDF p. 196 (printed 177) | 3 of 5 |
| Production: cereals (target)[7] | 196,147,000 kg | 2023–2027 mid-term | GOV-01-PDF | PDF p. 196 (printed 177) | 3 of 5 |
| Production: cereals (target)[7] | 200,215,000 kg | 2027 | GOV-01-PDF | PDF p. 196 (printed 177) | 3 of 5 |
| Production: roots and tubers[7] | 10,166,000 kg | 2022 | GOV-01-PDF | PDF p. 196 (printed 177) | 3 of 5 |
| Production: roots and tubers (target)[7] | 12,000,000 kg | 2023–2027 mid-term | GOV-01-PDF | PDF p. 196 (printed 177) | 3 of 5 |
| Production: roots and tubers (target)[7] | 15,000,000 kg | 2027 | GOV-01-PDF | PDF p. 196 (printed 177) | 3 of 5 |
| Fish production: capture freshwater[8] | 29,625,057 kg DISPUTED | 2022 | GOV-01-PDF | PDF p. 197 (printed 178) | 3 of 5 |
| Fish production: aquaculture[8] | 183,210 kg | 2022 | GOV-01-PDF | PDF p. 197 (printed 178) | 3 of 5 |
| Fish production: aquaculture (target)[8] | 253,210 kg | 2023–2027 mid-term | GOV-01-PDF | PDF p. 197 (printed 178) | 3 of 5 |
| Fish production: aquaculture (target)[8] | 300,000 kg | 2027 | GOV-01-PDF | PDF p. 197 (printed 178) | 3 of 5 |

1. Table 4.2: Area Cropped, Production and Value for Various Crops, 2013–2014.
2. Table 4.5: Cash Crop Production by Type and Quantity, 2013 - 2014.
3. Table 6.2: Quantity and Value of Fish Produced, 2013 - 2014.
4. Table 6.3: Fish Production by Water Bodies 2013–2014.
5. Section 1.9 The Blue Economy (text).
6. Section 2.3.2 table: Agriculture, Livestock and Fisheries targets and achievements (CIDP 2018–2022 review).
7. Chapter 6 monitoring and evaluation matrix: Agriculture and Livestock outcome indicators.
8. Chapter 6 monitoring and evaluation matrix: Sustainable Utilization of Fisheries Resources.

## Agriculture: conflicting values

### Area under irrigation

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 680 ha DISPUTED | Irrigated area: all crops | GOV-01-PDF; PDF p. 39 (printed 20) | 2023 | 2 of 5 |
| 1,000.5 acres DISPUTED | Irrigated area: all crops | GOV-01-PDF; PDF p. 196 (printed 177) | 2022 | 3 of 5 |

Same plan gives 680 ha (p.20, "currently") and 1,000.5 acres (p.177, 2022 baseline). 1,000.5 acres is about 405 ha. Not reconciled; show both. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

### Capture fish landed, 2015 abstract

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 28,222 tonnes DISPUTED | Fish landed quantity: capture freshwater | KNBS-CSA-SIAYA-2015; PDF p. 36 (printed 19) | 2013 | 4 of 5 |
| 24,703 tonnes DISPUTED | Fish landed quantity: capture lake victoria and kanyaboli | KNBS-CSA-SIAYA-2015; PDF p. 36 (printed 19) | 2013 | 4 of 5 |
| 27,141 tonnes DISPUTED | Fish landed quantity: capture freshwater | KNBS-CSA-SIAYA-2015; PDF p. 36 (printed 19) | 2014 | 4 of 5 |
| 28,519 tonnes DISPUTED | Fish landed quantity: capture lake victoria and kanyaboli | KNBS-CSA-SIAYA-2015; PDF p. 36 (printed 19) | 2014 | 4 of 5 |

Table 6.2 gives 28,222 t (2013) and 27,141 t (2014); Table 6.3 gives 24,703 t and 28,519 t on the same page. Both from the county Department of Fisheries. Coverage difference not explained. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

### Maize, beans, sorghum production units, 2015 abstract

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 129,818 tonnes DISPUTED | Production: maize | KNBS-CSA-SIAYA-2015; PDF p. 28 (printed 11) | 2013 | 3 of 5 |
| 1,286,755 bags DISPUTED | Production: maize | KNBS-CSA-SIAYA-2015; PDF p. 29 (printed 12) | 2013 | 3 of 5 |
| 1,372,914 tonnes DISPUTED | Production: maize | KNBS-CSA-SIAYA-2015; PDF p. 28 (printed 11) | 2014 | 1 of 5 |
| 1,372,914 bags DISPUTED | Production: maize | KNBS-CSA-SIAYA-2015; PDF p. 29 (printed 12) | 2014 | 3 of 5 |
| 20,262 tonnes DISPUTED | Production: beans | KNBS-CSA-SIAYA-2015; PDF p. 28 (printed 11) | 2013 | 3 of 5 |
| 363,906 bags DISPUTED | Production: beans | KNBS-CSA-SIAYA-2015; PDF p. 29 (printed 12) | 2013 | 3 of 5 |
| 348,283 tonnes DISPUTED | Production: beans | KNBS-CSA-SIAYA-2015; PDF p. 28 (printed 11) | 2014 | 1 of 5 |
| 348,283 bags DISPUTED | Production: beans | KNBS-CSA-SIAYA-2015; PDF p. 29 (printed 12) | 2014 | 3 of 5 |
| 22,587 tonnes DISPUTED | Production: sorghum | KNBS-CSA-SIAYA-2015; PDF p. 28 (printed 11) | 2013 | 3 of 5 |
| 159,533 bags DISPUTED | Production: sorghum | KNBS-CSA-SIAYA-2015; PDF p. 29 (printed 12) | 2013 | 3 of 5 |
| 128,726 tonnes DISPUTED | Production: sorghum | KNBS-CSA-SIAYA-2015; PDF p. 28 (printed 11) | 2014 | 1 of 5 |
| 128,726 bags DISPUTED | Production: sorghum | KNBS-CSA-SIAYA-2015; PDF p. 29 (printed 12) | 2014 | 3 of 5 |

Table 4.2 2013 tonnes do not match Table 4.5 bags at 90 kg (maize 129,818 t vs 1,286,755 bags = 115,808 t at 90 kg; sorghum 22,587 t vs 159,533 bags; beans 20,262 t vs 363,906 bags). The Table 4.2 2014* "tonnes" equal the Table 4.5 bag counts, so that column is bags mislabelled. Bag weight not stated. All values shown are provisional (see the review notice on the cover); none has been chosen over another.

### Fish production in CIDP 2023–2027

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| Not published DISPUTED | Fish production: fisheries all | GOV-01-PDF; PDF p. 39 (printed 20) | 2023 | 1 of 5 |
| 30,000 thousand tonnes DISPUTED | Fish production: capture freshwater | GOV-01-PDF; PDF p. 42 (printed 23) | 2018–2022 | 1 of 5 |

DRAFT

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 29,625,057 kg DISPUTED | Fish production: capture freshwater | GOV-01-PDF; PDF p. 197 (printed 178) | 2022 | 3 of 5 |
| Three statements: "30,147,600 metric tonnes per annum" (p.20), capture 30,000 and culture 147.6 under "000 (MT)" (p.23), capture 29,625,057 kg in 2022 (p.178). Units are inconsistent; magnitude about 30,000 t is consistent with the 2015 abstract (27,141–28,519 t in 2014). All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

### Fish landing sites

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 88 number DISPUTED | Fish landing sites: fisheries all | GOV-01-PDF; PDF p. 39 (printed 20) | 2023 | 2 of 5 |
| p.20 says 88 fish landing sites and, in the next paragraph, "over 60 existing beaches". No frame-survey count acquired to compare. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

### Sorghum production

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 22,587 tonnes DISPUTED | Production: sorghum | KNBS-CSA-SIAYA-2015; PDF p. 28 (printed 11) | 2013 | 3 of 5 |
| 159,533 bags DISPUTED | Production: sorghum | KNBS-CSA-SIAYA-2015; PDF p. 29 (printed 12) | 2013 | 3 of 5 |
| 25,087 thousand tonnes DISPUTED | Production: sorghum | GOV-01-PDF; PDF p. 42 (printed 23) | 2018–2022 | 1 of 5 |
| Abstract: 22,587 t (2013). CIDP review: 25,087 under "000 (MT)" for 2018–2022 with no year. Not comparable until the CIDP unit and period are confirmed. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

**Interpretation (Takwimu editorial, not a finding)**

Production figures come from two sources ten years apart with different units; they are not a trend.

# 7. Climate, water and environment

Canonical topic page: Siaya climate, water and environment (takwimu.netlify.app/counties/siaya/climate/).

## Findings

### Water and sanitation coverage (each figure uses its own definition)

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Drinking water: At least basic service, county (Siaya)[1] | 48.5 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 607 (printed 565) | 4 of 5 |
| Drinking water: Limited service, county (Siaya)[1] | 7 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 607 (printed 565) | 4 of 5 |
| Drinking water: Unimproved, county (Siaya)[1] | 1.8 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 607 (printed 565) | 4 of 5 |
| Drinking water: Surface water, county (Siaya)[1] | 42.7 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 607 (printed 565) | 4 of 5 |
| Sanitation: At least basic service, county (Siaya)[2] | 35 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 615 (printed 573) | 4 of 5 |
| Sanitation: Limited service, county (Siaya)[2] | 19.7 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 615 (printed 573) | 4 of 5 |
| Sanitation: Unimproved, county (Siaya)[2] | 39 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 615 (printed 573) | 4 of 5 |
| Sanitation: Open defecation, county (Siaya)[2] | 6.2 percent of de jure population | KDHS 2022 fieldwork (Feb-Jul 2022) | KDHS-2022 | PDF p. 615 (printed 573) | 4 of 5 |

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Households with access to safe water (CIDP narrative), county (Siaya) [3] | 58 percent of households | current at plan preparation (CIDP 2023–2027; baseline year not stated in this paragraph) | GOV-01-PDF | PDF p. 109 (printed 90) | 3 of 5 |
| Population with access to quality water supply (CIDP indicator baseline), county (Siaya) [4] | 58 percent of population | 2022 (baseline year as printed) | GOV-01-PDF | PDF p. 194 (printed 175) | 3 of 5 |
| Households with access to safe drinking water (CIDP indicator baseline), county (Siaya) [5] | 144,273 households | 2022 (baseline year as printed) | GOV-01-PDF | PDF p. 194 (printed 175) | 3 of 5 |
| SIBOWASCO (Sibo) water coverage, utility service area (Sibo) [6] | 62 percent of population in the utility service area | FY 2024/25 | WASREB-IMPACT-18 | PDF p. 55 (printed 38) | 4 of 5 |
| Population in SIBOWASCO service area, utility service area (Sibo) [7] | 593,624 persons | FY 2024/25 | WASREB-IMPACT-18 | PDF p. 53 (printed 36) | 4 of 5 |
| Population served by SIBOWASCO, utility service area (Sibo) [8] | 368,306 persons | FY 2024/25 | WASREB-IMPACT-18 | PDF p. 53 (printed 36) | 4 of 5 |
| County population served by formalized WSPs, county (Siaya) [9] | 34 percent of county population | FY 2024/25 | WASREB-IMPACT-18 | PDF p. 89 (printed 72) | 2 of 5 |
| Population in low-income areas (LIA) of WSP service areas, county (Siaya) [10] | 67,722 persons | FY 2024/25 | WASREB-IMPACT-18 | PDF p. 92 (printed 75) | 4 of 5 |
| Population served in low-income areas with water services, county (Siaya) [11] | 63,443 persons | FY 2024/25 | WASREB-IMPACT-18 | PDF p. 92 (printed 75) | 4 of 5 |

1. WHO/UNICEF JMP drinking water service ladder. At least basic = improved source with water on premises or round trip of 30 minutes or less (includes safely managed); limited = improved source, round trip over 30 minutes or unknown; unimproved = unprotected dug well or spring; surface water.
2. WHO/UNICEF JMP sanitation ladder. At least basic = improved facility not shared with other households (includes safely managed); limited = improved facility shared by 2 or more households; unimproved; open defecation.
3. CIDP does not define 'safe water' or name the source of the 58%.
4. Indicator baseline; definition and source not stated. Mid-term 61% and end-term 65% are targets and are not recorded.
5. Count of households; definition and source not stated. 151,735 and 161,685 are targets and are not recorded.
6. WASREB water coverage = population served / population in the utility's service area; covers SIBOWASCO's area only, not the whole county.
7. Total population in service area as reported by the utility to WASREB.
8. Total population served as reported by the utility to WASREB.
9. Share of the whole county population served by formalized water service providers; the rest (66%) is shown as not served by a WSP, which does not mean without water.
10. Population living in utility-designated low-income areas.
11. Population served with water services within the LIA.

## Water access: figures with different definitions

### Water access in Siaya: four figures, four definitions

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 48.5 percent of de jure population | Drinking water: At least basic service, county (Siaya) | KDHS-2022; PDF p. 607 (printed 565) | KDHS 2022 fieldwork (Feb–Jul 2022) | 4 of 5 |
| 58 percent of households | Households with access to safe water (CIDP narrative), county (Siaya) | GOV-01-PDF; PDF p. 109 (printed 90) | current at plan preparation (CIDP 2023–2027; baseline year not stated in this paragraph) | 3 of 5 |
| 58 percent of population | Population with access to quality water supply (CIDP indicator baseline), county (Siaya) | GOV-01-PDF; PDF p. 194 (printed 175) | 2022 (baseline year as printed) | 3 of 5 |
| 62 percent of population in the utility service area | SIBOWASCO (Sibo) water coverage, utility service area (Sibo) | WASREB-IMPACT-18; PDF p. 55 (printed 38) | FY 2024/25 | 4 of 5 |
| 34 percent of county population | County population served by formalized WSPs, county (Siaya) | WASREB-IMPACT-18; PDF p. 89 (printed 72) | FY 2024/25 | 2 of 5 |

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 48.5% (KDHS 2022, at least basic, de jure population), 58% (CIDP, households or population, undefined), 62% (WASREB, SIBOWASCO service area only) and 34% (WASREB, county population served by formal utilities) measure different things. Shown side by side; no canonical figure. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

**FLLoCA FY 2025/26: allocation, receipt and transfer to the fund**

| VALUE AS HELD | INDICATOR | SOURCE AND PAGE | PERIOD | CONFIDENCE |
|---|---|---|---|---|
| 365,509,163 KSh | FLLoCA county fund: approved budget allocation, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 10 | FY 2025/26 | 4 of 5 |
| 217,509,163 KSh | FLLoCA-Development: annual targeted revenue, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 2 | FY 2025/26 | 4 of 5 |
| 11,000,000 KSh | FLLoCA-Recurrent: annual targeted revenue, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 2 | FY 2025/26 | 4 of 5 |
| 137,000,000 KSh | FLLoCA-Grant-2025/26: annual targeted revenue, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 3 | FY 2025/26 | 4 of 5 |
| 231,601,941 KSh | FLLoCA county fund: actual disbursements in FY, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 10 | FY 2025/26 | 4 of 5 |
| 126,449,101 KSh | FLLoCA-Development: actual receipts, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 2 | FY 2025/26 | 4 of 5 |
| 11,000,000 KSh | FLLoCA-Recurrent: actual receipts, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 2 | FY 2025/26 | 4 of 5 |
| 94,152,840 KSh | FLLoCA-Grant-2025/26: actual receipts, county (County Government of Siaya) | GOV-02-FY2025-26-Q4; PDF p. 3 | FY 2025/26 | 4 of 5 |
| Within the same report the fund allocation equals the three revenue targets and the fund disbursement equals the three receipts. No FLLoCA project expenditure or verified adaptation outcome is published in these documents. All values shown are provisional (see the review notice on the cover); none has been chosen over another. | | | | |

**Interpretation (Takwimu editorial, not a finding)**

Water access ranges widely because the documents measure different things (households, population, utility service areas).

# 8. Infrastructure and project delivery

Canonical topic page: Siaya project register (takwimu.netlify.app/counties/siaya/projects/).

## Findings

**Projects with an Auditor-General finding (contractors are not named)**

| ID | PROJECT (AS PRINTED) | SECTOR | STATUS (EVIDENCE) | LATEST BUDGET OR CONTRACT AMOUNT |
|---|---|---|---|---|
| SIA-P-001 | Construction of Siaya County Stadium | sports culture tourism | delayed DISPUTED audit-2023-24; PDF p. 55; 2024-08-30; confidence 4 of 5. | 424,872,927 KSh DISPUTED cob-report-2023-24; PDF p. 516; FY 2023/24; confidence 3 of 5. |

| ID | PROJECT (AS PRINTED) | SECTOR | STATUS (EVIDENCE) | LATEST BUDGET OR CONTRACT AMOUNT |
|---|---|---|---|---|
| SIA-P-002 | Installation of three-phase electricity power at the Siaya Stadium | energy lighting | **delayed** audit-2023-24; PDF p. 53; 2024; confidence 4 of 5. | None held |
| SIA-P-003 | Installation of stadium VIP seats | sports culture tourism | **completed-reported** DISPUTED cob-report-2024-25; PDF p. 483; 2025-06-30; confidence 4 of 5. | **25,101,114 KSh** DISPUTED cob-report-2024-25; PDF p. 483; FY 2024/25; confidence 4 of 5. |
| SIA-P-007 | Construction of Siaya Bus Park | roads transport | **cancelled** DISPUTED audit-2022-23; PDF p. 46; 2023-11; confidence 4 of 5. | **23,014,867 KSh** DISPUTED audit-2021-22; PDF p. 53; FY 2021/22; confidence 4 of 5. |
| SIA-P-008 | Construction of Haudinga Sheltered Workshop in Ukwala | social services | **delayed** DISPUTED audit-2020-21; PDF p. 38; 2021-11; confidence 4 of 5. | **6,678,405 KSh** DISPUTED audit-2020-21; PDF p. 38; FY 2020/21; confidence 4 of 5. |
| SIA-P-009 | Construction of Nyasanda Sheltered Workshop in Ugunja | social services | **delayed** DISPUTED audit-2020-21; PDF p. 38; 2021-11; confidence 4 of 5. | **6,831,702 KSh** DISPUTED audit-2020-21; PDF p. 38; FY 2020/21; confidence 4 of 5. |
| SIA-P-010 | Construction of Nyamnina Youth Polytechnic | education | **delayed** DISPUTED audit-2020-21; PDF p. 38; 2021-11; confidence 4 of 5. | **3,870,156 KSh** DISPUTED audit-2020-21; PDF p. 38; FY 2020/21; confidence 4 of 5. |
| SIA-P-011 | Renovations at Odera Akang'o Campus (works at Directors Office) | education | **delayed** DISPUTED audit-2020-21; PDF p. 39; 2021-11; confidence 4 of 5. | **36,653,220 KSh** DISPUTED audit-2020-21; PDF p. 39; FY 2020/21; confidence 4 of 5. |
| SIA-P-012 | Construction of a laboratory at Obaga West Asembo Health Centre | health | **unknown** audit-2020-21; PDF p. 39; 2021-11; confidence 4 of 5. | None held |
| SIA-P-013 | Maintenance of Maira Othatch Road and Bar Okwiri Kayouth roads | roads transport | **unknown** audit-2020-21; PDF p. 40; 2021-11; confidence 4 of 5. | None held |
| SIA-P-014 | Rehabilitation of Siaya Slaughterhouse | agriculture fisheries | **delayed** audit-2020-21; PDF p. 40; 2021-11; confidence 4 of 5. | **9,984,993 KSh** audit-2020-21; PDF p. 40; FY 2020/21; confidence 4 of 5. |
| SIA-P-015 | Construction of Migwena Sports Stadium (2017 contract) | sports culture tourism | **cancelled** audit-2020-21; PDF p. 40; 2021-11; confidence 4 of 5. | **22,433,511 KSh** audit-2020-21; PDF p. 40; FY 2020/21; confidence 4 of 5. |
| SIA-P-016 | Drainage, grading, gravelling and dozing of Kwaweya Yenga Nyalula Udura Kolum road (12 km) | roads transport | **delayed** audit-2021-22; PDF p. 53; 2022-07-27; confidence 4 of 5. | None held |
| SIA-P-017 | Repairs and maintenance of Boro-Katondi Road, Ogunga Road and Segere-Ouru Road | roads transport | **unknown** audit-2021-22; PDF p. 53; 2022-11-10; confidence 3 of 5. | **14,659,268 KSh** audit-2021-22; PDF p. 53; FY 2021/22; confidence 3 of 5. |
| SIA-P-019 | Construction of five ECD classrooms (Mahero, Kirindo, Ninga, Nyadheho and Nyabondo primary schools) | education | **delayed** audit-2021-22; PDF p. 54; 2022; confidence 4 of 5. | **19,124,181 KSh** audit-2021-22; PDF p. 54; FY 2021/22; confidence 4 of 5. |
| SIA-P-020 | Construction of Early Childhood Development (ECD) block at Kirindo primary school | education | **suspended** audit-2022-23; PDF p. 46; 2023-11; confidence 4 of 5. | **3,888,053 KSh** audit-2022-23; PDF p. 46; FY 2022/23; confidence 4 of 5. |
| SIA-P-021 | Drilling and equipping of nine boreholes in Ugunja, Alego and Rarieda sub-counties | water sanitation | **delayed** audit-2021-22; PDF p. 54; 2022; confidence 4 of 5. | **29,040,488 KSh** audit-2021-22; PDF p. 54; FY 2021/22; confidence 4 of 5. |

| ID | PROJECT (AS PRINTED) | SECTOR | STATUS (EVIDENCE) | LATEST BUDGET OR CONTRACT AMOUNT |
|---|---|---|---|---|
| SIA-P-022 | Supply and installation of machines, wiring repairs and construction of a powerhouse at Madiany Ginnery | agriculture fisheries | **unknown** audit-2021-22; PDF p. 54; 2022-11-15; confidence 4 of 5. | **10,237,191 KSh** audit-2021-22; PDF p. 54; FY 2021/22; confidence 4 of 5. |
| SIA-P-023 | Construction of Kagwa Dispensary laboratory | health | **completed-reported** audit-2021-22; PDF p. 54; 2022-07; confidence 4 of 5. | None held |
| SIA-P-024 | Construction of Modern Market in Ukwala Market | markets trade | **suspended** audit-2022-23; PDF p. 47; 2023-09; confidence 4 of 5. | **5,740,187.46 KSh** audit-2022-23; PDF p. 47; FY 2022/23; confidence 4 of 5. |
| SIA-P-025 | Construction of Nyadorera Modern Market | markets trade | **delayed** audit-2022-23; PDF p. 47; 2023-11; confidence 4 of 5. | **11,665,784 KSh** audit-2022-23; PDF p. 47; FY 2022/23; confidence 4 of 5. |
| SIA-P-026 | Fencing and gravelling works at Akala and Ramba Markets | markets trade | **delayed** audit-2022-23; PDF p. 47; 2023-10; confidence 4 of 5. | **7,715,774 KSh** audit-2022-23; PDF p. 47; FY 2022/23; confidence 4 of 5. |
| SIA-P-027 | Drilling and equipping of Aila WC Borehole | water sanitation | **unknown** DISPUTED audit-2022-23; PDF p. 48; 2023-08; confidence 4 of 5. | **4,479,975 KSh** DISPUTED audit-2022-23; PDF p. 48; FY 2022/23; confidence 4 of 5. |
| SIA-P-028 | Proposed construction of perimeter wall at Migwena Sports and Cultural Centre (Piny Luo) | sports culture tourism | **completed-reported** DISPUTED cob-report-2024-25; PDF p. 483; 2025-06-30; confidence 4 of 5. | **33,841,097.5 KSh** DISPUTED cob-report-2024-25; PDF p. 483; FY 2024/25; confidence 4 of 5. |
| SIA-P-029 | Proposed washroom, gravelling works, waterworks, powerhouse and electrification at Migwena | sports culture tourism | **delayed** audit-2023-24; PDF p. 55; 2024; confidence 4 of 5. | **18,630,456 KSh** audit-2023-24; PDF p. 55; FY 2023/24; confidence 4 of 5. |
| SIA-P-030 | Construction of County Aggregation and Industrial Park | industry | **suspended** DISPUTED audit-2024-25; PDF p. 54; 2025-10; confidence 3 of 5. | **483,688,922 KSh** DISPUTED audit-2024-25; PDF p. 54; FY 2024/25; confidence 3 of 5. |
| SIA-P-031 | Proposed Construction of Yala Cattle Ring in Yala Township Ward | agriculture fisheries | **delayed** audit-2023-24; PDF p. 56; 2024; confidence 4 of 5. | **4,500,962.55 KSh** audit-2023-24; PDF p. 56; FY 2023/24; confidence 4 of 5. |
| SIA-P-032 | Construction of four door flushable toilets and four bathrooms at Akala Health Centre | health | **suspended** audit-2023-24; PDF p. 56; 2024-09-17; confidence 4 of 5. | **3,215,578.8 KSh** audit-2023-24; PDF p. 56; FY 2023/24; confidence 4 of 5. |
| SIA-P-033 | Construction of ECD Block at Maranyona Primary School | education | **delayed** audit-2024-25; PDF p. 54; 2025-07; confidence 3 of 5. | **4,134,669 KSh** audit-2024-25; PDF p. 54; FY 2024/25; confidence 3 of 5. |
| SIA-P-034 | Proposed completion of ECD Block at Nyabera Primary School | education | **suspended** audit-2024-25; PDF p. 55; 2025-07; confidence 3 of 5. | **4,307,957 KSh** audit-2024-25; PDF p. 55; FY 2024/25; confidence 3 of 5. |
| SIA-P-035 | Construction of a modern Early Childhood Development Education (ECDE) Centre in Bondo Sub-County | education | **active** audit-2024-25; PDF p. 58; 2025-10; confidence 3 of 5. | None held |
| SIA-P-036 | Supply, delivery, installation and commissioning of mortuary cold-room plant at Bondo Sub-County Hospital | health | **delayed** DISPUTED audit-2024-25; PDF p. 59; 2025-10; confidence 3 of 5. | **54,685,880 KSh** DISPUTED cob-report-2024-25; PDF p. 483; FY 2024/25; confidence 4 of 5. |
| SIA-P-037 | Supply, delivery and installation of medical equipment at Siaya Hospital Theatre Complex | health | **delayed** DISPUTED audit-2024-25; PDF p. 56; 2025-10; confidence 3 of 5. | **22,974,650 KSh** DISPUTED audit-2024-25; PDF p. 55; FY 2024/25; confidence 3 of 5. |

DRAFT

| ID | PROJECT (AS PRINTED) | SECTOR | STATUS (EVIDENCE) | LATEST BUDGET OR CONTRACT AMOUNT |
|---|---|---|---|---|
| SIA-P-038 | Proposed construction of maternity block at Malunga Dispensary | health | **completed-independently-verified** audit-2024-25; PDF p. 56; 2025-07; confidence 3 of 5. | **4,400,000 KSh** audit-2024-25; PDF p. 56; FY 2024/25; confidence 3 of 5. |
| SIA-P-039 | Drilling and equipping of two boreholes at Ligose Primary and Ligala Dispensary | water sanitation | **unknown** audit-2024-25; PDF p. 56; 2025-07; confidence 3 of 5. | **5,819,100 KSh** audit-2024-25; PDF p. 56; FY 2024/25; confidence 3 of 5. |
| SIA-P-040 | Drilling and equipping of a borehole at Yenga | water sanitation | **unknown** audit-2024-25; PDF p. 56; 2025-10; confidence 3 of 5. | None held |
| SIA-P-041 | Supply, installation, configuration, customisation, testing, commissioning and support of an Enterprise Resource Planning (ERP) management information system | ict | **delayed** DISPUTED audit-2022-23; PDF p. 49; 2023; confidence 4 of 5. | **72,420,000 KSh** DISPUTED audit-2022-23; PDF p. 49; FY 2022/23; confidence 4 of 5. |
| SIA-P-042 | Drilling and equipping of boreholes and construction of water kiosks in the ward offices | water sanitation | **suspended** DISPUTED audit-asm-2023-24; PDF p. 56; 2024-09; confidence 4 of 5. | **117,133,552 KSh** DISPUTED audit-asm-2022-23; PDF p. 54; FY 2022/23; confidence 4 of 5. |
| SIA-P-043 | Construction of meeting halls in the ward offices | governance offices | **suspended** DISPUTED audit-asm-2023-24; PDF p. 56; 2024-09; confidence 4 of 5. | **104,900,292 KSh** DISPUTED cob-report-2022-23; PDF p. 581; FY 2022/23; confidence 4 of 5. |

**Interpretation (Takwimu editorial, not a finding)**

Status is the latest status any document records; only one project has independent verification of completion.

# 9. Governance and audit

Canonical topic pages: Siaya governance (takwimu.netlify.app/counties/siaya/governance/); Siaya audits (takwimu.netlify.app/counties/siaya/audits/).

## Findings

### County Budget Transparency Survey (IBP Kenya)

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE |
|---|---|---|---|---|
| Transparency index (CBTS 2021) | **45 points out of 100** | 2021 | IBP-02 | PDF p. 77 |
| Key budget documents publicly available (CBTS 2021) | **7 documents** | 2021 | IBP-02 | PDF p. 77 |
| Transparency index (CBTS 2022) | **48 points out of 100** | 2022 | IBP-01 | PDF p. 1 |
| National average transparency index (all counties) (CBTS 2022) | **41 points out of 100** | 2022 | IBP-01 | PDF p. 1 |
| Siaya rank among counties (CBTS 2022) | **20 rank** | 2022 | IBP-01 | PDF p. 1 |
| Key budget documents publicly available (CBTS 2022) | **8 documents** | 2022 | IBP-01 | PDF p. 1 |
| Information on public participation in its documents (CBTS 2022) | **0 points out of 100** | 2022 | IBP-01 | PDF p. 1 |

**Every row:** confidence high (scale high, medium, low).

### Auditor-General opinions

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|

| INDICATOR | VALUE | PERIOD | SOURCE | PAGE | CONFIDENCE |
|---|---|---|---|---|---|
| Audit opinion, county government[1] | Disclaimer of Opinion | FY 2013/14 | audit-2013–14 | PDF p. 6 | 4 of 5 |
| Audit opinion, county executive[2] | Not published | FY 2013/14 | audit-fo-2013–14 | PDF p. 6 | 3 of 5 |
| Audit opinion, county executive[3] | Adverse | FY 2014/15 | senate-fiduciary-annexes-2018 | PDF p. 4 | 3 of 5 |
| Audit opinion, county executive[4] | Qualified | FY 2015/16 | senate-fiduciary-annexes-2018 | PDF p. 2 | 3 of 5 |
| Audit opinion, county executive[5] | Adverse Opinion | FY 2016/17 | pbo-county-fact-sheets-2024 | PDF p. 392 | 2 of 5 |
| Audit opinion, county executive[6] | Qualified Opinion | FY 2017/18 | pbo-county-fact-sheets-2024 | PDF p. 392 | 2 of 5 |
| Audit opinion, county executive[6] | Qualified Opinion | FY 2018/19 | pbo-county-fact-sheets-2024 | PDF p. 392 | 2 of 5 |
| Audit opinion, county executive[1] | Qualified Opinion | FY 2019/20 | audit-2019–20 | PDF p. 518 | 3 of 5 |
| Audit opinion, county executive[1] | Qualified Opinion | FY 2020/21 | audit-2020–21 | PDF p. 33 | 4 of 5 |
| Audit opinion, county executive[1] | Adverse Opinion | FY 2021/22 | audit-2021–22 | PDF p. 45 | 4 of 5 |
| Audit opinion, county executive[1] | Qualified Opinion | FY 2022/23 | audit-2022–23 | PDF p. 39 | 4 of 5 |
| Audit opinion, county executive[1] | Qualified Opinion | FY 2023/24 | audit-2023–24 | PDF p. 44 | 4 of 5 |
| Audit opinion, county executive[7] | Qualified Opinion | FY 2024/25 | audit-2024–25 | PDF p. 47 | 3 of 5 |
| Audit opinion, county assembly[8] | Adverse Opinion | FY 2016/17 | pbo-county-fact-sheets-2024 | PDF p. 392 | 2 of 5 |
| Audit opinion, county assembly[9] | Qualified Opinion | FY 2017/18 | pbo-county-fact-sheets-2024 | PDF p. 392 | 2 of 5 |
| Audit opinion, county assembly[9] | Qualified Opinion | FY 2018/19 | pbo-county-fact-sheets-2024 | PDF p. 392 | 2 of 5 |
| Audit opinion, county assembly[7] | Qualified Opinion | FY 2020/21 | audit-asm-2020–21 | PDF p. 28 | 4 of 5 |
| Audit opinion, county assembly[7] | Qualified Opinion | FY 2022/23 | audit-asm-2022–23 | PDF p. 51 | 4 of 5 |
| Audit opinion, county assembly[7] | Qualified Opinion | FY 2023/24 | audit-asm-2023–24 | PDF p. 53 | 4 of 5 |
| Audit opinion, county assembly[7] | Qualified Opinion | FY 2024/25 | audit-asm-2024–25 | PDF p. 53 | 3 of 5 |

1. Matches earlier record: matches.
2. Financial operations review: no opinion printed.
3. Reused from data/history.json: Senate compilation, not the audit report; may cover executive and assembly together. No findings are recorded for this year.

DRAFT

4. Reused from data/history.json: Senate compilation, not the audit report. No findings are recorded for this year.
5. Official compilation (secondary): Parliamentary Budget Office, County Fact Sheets 2024, Table 5 "Audit Opinions for Siaya County Executive and Assembly (FY 2013/14–2022/23)", County Executive row, printed "Adverse" (PDF p. 392; source line "Controller of Budget reports"). The Auditor-General's report for the year is not held, so the opinion is not confirmed against the audit itself and no findings are recorded. An opinion is the auditor's finding about the financial statements, not a verdict on any person.
6. Official compilation (secondary): Parliamentary Budget Office, County Fact Sheets 2024, Table 5 "Audit Opinions for Siaya County Executive and Assembly (FY 2013/14–2022/23)", County Executive row, printed "Qualified" (PDF p. 392; source line "Controller of Budget reports"). The Auditor-General's report for the year is not held, so the opinion is not confirmed against the audit itself and no findings are recorded. An opinion is the auditor's finding about the financial statements, not a verdict on any person.
7. Matches earlier record: not in history.
8. Official compilation (secondary): Parliamentary Budget Office, County Fact Sheets 2024, Table 5 "Audit Opinions for Siaya County Executive and Assembly (FY 2013/14–2022/23)", County Assembly row, printed "Adverse" (PDF p. 392; source line "Controller of Budget reports"). The Auditor-General's report for the year is not held, so the opinion is not confirmed against the audit itself and no findings are recorded. An opinion is the auditor's finding about the financial statements, not a verdict on any person.
9. Official compilation (secondary): Parliamentary Budget Office, County Fact Sheets 2024, Table 5 "Audit Opinions for Siaya County Executive and Assembly (FY 2013/14–2022/23)", County Assembly row, printed "Qualified" (PDF p. 392; source line "Controller of Budget reports"). The Auditor-General's report for the year is not held, so the opinion is not confirmed against the audit itself and no findings are recorded. An opinion is the auditor's finding about the financial statements, not a verdict on any person.

**Interpretation (Takwimu editorial, not a finding)**

Transparency scores are document-availability scores, not measures of budget quality. Audit opinions describe the accounts, not individuals.

# 10. NGO, CSO and donor ecosystem

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

## Findings

### Programme records by geography and evidence type

| INDICATOR | VALUE |
|---|---|
| Records: siaya specific | 28 records |
| Records: siaya wards listed | 2 records |
| Records: multi county including siaya | 31 records |
| Records: national | 12 records |
| Records: planned | 14 records |
| Records: self reported | 47 records |
| Records: independently evaluated | 12 records |

**Every row:** period Not stated; source Takwimu programme atlas summary (data/siaya-programmes.json); page Not stated; confidence count compiled by Takwimu, not graded.

Report E lists every programme record. Multi-county and national totals are never attributed to Siaya.

**Interpretation (Takwimu editorial, not a finding)**

Most programme records are self-reported by the implementer; few have an independent evaluation.

# 11. Ward and sub-county disparities

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

## Findings

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

| INDICATOR | VALUE | PAGE |
|---|---|---|
| Population per doctor (all ages), Alego Usonga | 12,526 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |

| INDICATOR | VALUE | PAGE |
|---|---|---|
| Population per doctor (all ages), Bondo | 20,053 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per doctor (all ages), Gem | 68,126 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per doctor (all ages), Rarieda | 170,952 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per doctor (all ages), Ugenya | 138,626 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per doctor (all ages), Ugunja | 118,315 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per nurse (all ages), Alego Usonga | 1,087 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per nurse (all ages), Bondo | 1,355 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per nurse (all ages), Gem | 2,129 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per nurse (all ages), Rarieda | 2,220 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per nurse (all ages), Ugenya | 2,100 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per nurse (all ages), Ugunja | 1,793 people per health worker (printed as 1:N) | PDF p. 207 (printed 188) |
| Population per clinical officer (all ages), Alego Usonga | 3,173 people per health worker (printed as 1:N) | PDF p. 208 (printed 189) |
| Population per clinical officer (all ages), Bondo | 5,420 people per health worker (printed as 1:N) | PDF p. 208 (printed 189) |
| Population per clinical officer (all ages), Gem | 6,593 people per health worker (printed as 1:N) | PDF p. 208 (printed 189) |
| Population per clinical officer (all ages), Rarieda | 8,547 people per health worker (printed as 1:N) | PDF p. 208 (printed 189) |
| Population per clinical officer (all ages), Ugenya | 4,471 people per health worker (printed as 1:N) | PDF p. 208 (printed 189) |
| Population per clinical officer (all ages), 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.

### Wards where the 2023 climate risk assessment prints a flood or drought hotspot

| WARD | HAZARD LISTED | HOTSPOTS AS PRINTED |
|---|---|---|
| Central Alego | flood listed as a ward hazard | **Lake Kanyaboli; Ndaye; Obambo; Kandenje; Got Aduwa; Ndere dispensary**<br>CLIM-01; PDF p. 48 (printed 34); PCRA ward public participation, 2023; confidence 4 of 5. |
| North Alego | flood listed as a ward hazard | **Lowlands of North Alego**<br>CLIM-01; PDF p. 51 (printed 37); PCRA ward public participation, 2023; confidence 4 of 5. |
| South East Alego | drought listed as a ward hazard | **Bugo, Yawo Lwanda, Ongala, Ranyadha, Ongoro, Ang'ech, Mbeji, Wadh**<br>CLIM-01; PDF p. 52 (printed 38); PCRA ward public participation, 2023; confidence 3 of 5. |
| South East Alego | flood listed as a ward hazard | **Mur Malanga market; Bar Olengo market; Nyang'oma market**<br>CLIM-01; PDF p. 52 (printed 38); PCRA ward public participation, 2023; confidence 4 of 5. |
| Siaya Township | flood listed as a ward hazard | **Ufinya dam**<br>CLIM-01; PDF p. 54 (printed 40); PCRA ward public participation, 2023; confidence 4 of 5. |

DRAFT

| WARD | HAZARD LISTED | HOTSPOTS AS PRINTED |
|---|---|---|
| Siaya Township | drought listed as a ward hazard | **Entire Siaya Township Ward**<br>CLIM-01; PDF p. 54 (printed 40); PCRA ward public participation, 2023; confidence 4 of 5. |
| West Ugenya | drought listed as a ward hazard | **Entire West Ugenya**<br>CLIM-01; PDF p. 55 (printed 41); PCRA ward public participation, 2023; confidence 4 of 5. |
| West Ugenya | flood listed as a ward hazard | **Sifuyo; Mlango; Many parts of Ugenya**<br>CLIM-01; PDF p. 55 (printed 41); PCRA ward public participation, 2023; confidence 4 of 5. |
| Ugunja | flood listed as a ward hazard | **Ugunja town; Ambira area**<br>CLIM-01; PDF p. 55 (printed 41); PCRA ward public participation, 2023; confidence 4 of 5. |
| Ugunja | drought listed as a ward hazard | **Entire Ugunja ward**<br>CLIM-01; PDF p. 56 (printed 42); PCRA ward public participation, 2023; confidence 4 of 5. |
| Sigomere | flood listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 56 (printed 42); PCRA ward public participation, 2023; confidence 4 of 5. |
| Sigomere | drought listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 57 (printed 43); PCRA ward public participation, 2023; confidence 3 of 5. |
| Sidindi | drought listed as a ward hazard | **Entire ward**<br>CLIM-01; PDF p. 57 (printed 43); PCRA ward public participation, 2023; confidence 4 of 5. |
| East Yimbo | drought listed as a ward hazard | **Entire East Yimbo**<br>CLIM-01; PDF p. 58 (printed 44); PCRA ward public participation, 2023; confidence 4 of 5. |
| East Yimbo | flood listed as a ward hazard | **Nyamonye; Usigu**<br>CLIM-01; PDF p. 58 (printed 44); PCRA ward public participation, 2023; confidence 4 of 5. |
| West Yimbo | flood listed as a ward hazard | **Got Agulu sub location**<br>CLIM-01; PDF p. 58 (printed 44); PCRA ward public participation, 2023; confidence 4 of 5. |
| West Yimbo | drought listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 58 (printed 44); PCRA ward public participation, 2023; confidence 4 of 5. |
| West Sakwa | flood listed as a ward hazard | **Kapiyo; Maranda**<br>CLIM-01; PDF p. 59 (printed 45); PCRA ward public participation, 2023; confidence 4 of 5. |
| North Sakwa | drought listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 59 (printed 45); PCRA ward public participation, 2023; confidence 4 of 5. |
| North Sakwa | flood listed as a ward hazard | **Majiwa area**<br>CLIM-01; PDF p. 59 (printed 45); PCRA ward public participation, 2023; confidence 4 of 5. |
| South Sakwa | drought listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 60 (printed 46); PCRA ward public participation, 2023; confidence 4 of 5. |
| South Sakwa | flood listed as a ward hazard | **Destruction of properties; houses, roads, bridges, schools and loss of lives in Gombe and Migwena areas**<br>CLIM-01; PDF p. 60 (printed 46); PCRA ward public participation, 2023; confidence 4 of 5. |
| North Uyoma | drought listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 60 (printed 46); PCRA ward public participation, 2023; confidence 4 of 5. |
| West Uyoma | drought listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 61 (printed 47); PCRA ward public participation, 2023; confidence 4 of 5. |

DRAFT

| WARD | HAZARD LISTED | HOTSPOTS AS PRINTED |
|---|---|---|
| South Uyoma | drought listed as a ward hazard | **none printed**<br>CLIM-01; PDF p. 62 (printed 48); PCRA ward public participation, 2023; confidence 4 of 5. |
| South Uyoma | flood listed as a ward hazard | **Abururu; Ndigwa Majenga Rd; Ranyala Madundu Rd; Otieno SIbuor Nyamanga Rd; KaminOningo Beach; Koguta Juction Wikwang Rd; Lieta Mumbo Rd; Lweya Kobonde Madiany Rd; Ndigwa Buru Rd; Otumba rd; Kobel Aora Korwa Rd; Wio Mino Rd, Chamakwaro Kolilo Rd, Kawater Kadiala Beach Rd; Rahongo Kadiala Beach Rd**<br>CLIM-01; PDF p. 62 (printed 48); PCRA ward public participation, 2023; confidence 3 of 5. |
| East Asembo | drought listed as a ward hazard | **Kianja, Nyandiwa, Pap Otere, and Kakonya**<br>CLIM-01; PDF p. 63 (printed 49); PCRA ward public participation, 2023; confidence 4 of 5. |
| North Gem | drought listed as a ward hazard | **Barkotako area**<br>CLIM-01; PDF p. 64 (printed 50); PCRA ward public participation, 2023; confidence 4 of 5. |
| North Gem | flood listed as a ward hazard | **BaoMoja Kisendo Rd; BoaMoja Mundoware Rd; Barkotako**<br>CLIM-01; PDF p. 64 (printed 50); PCRA ward public participation, 2023; confidence 4 of 5. |
| West Gem | drought listed as a ward hazard | **Entire West Gem; Komuok area; Ujwang'a area; Nyapiedho; Dienya; Wangoji**<br>CLIM-01; PDF p. 64 (printed 50); PCRA ward public participation, 2023; confidence 3 of 5. |
| West Gem | flood listed as a ward hazard | **Komito and Ochuoga streams**<br>CLIM-01; PDF p. 65 (printed 51); PCRA ward public participation, 2023; confidence 4 of 5. |
| East Gem | flood listed as a ward hazard | **River Dhene; River Awach; Uranga**<br>CLIM-01; PDF p. 65 (printed 51); PCRA ward public participation, 2023; confidence 4 of 5. |
| Yala Township | flood listed as a ward hazard | **Ulumbi; Bar Sauri; Luero**<br>CLIM-01; PDF p. 66 (printed 52); PCRA ward public participation, 2023; confidence 4 of 5. |
| South Gem | flood listed as a ward hazard | **Ongoro**<br>CLIM-01; PDF p. 66 (printed 52); PCRA ward public participation, 2023; confidence 4 of 5. |
| Central Gem | flood listed as a ward hazard | **Siriwo; Luri; Nyandiwa; Farms around River Yala**<br>CLIM-01; PDF p. 66 (printed 52); PCRA ward public participation, 2023; confidence 4 of 5. |

**Interpretation (Takwimu editorial, not a finding)**

Staffing ratios differ several-fold between sub-counties. Hazard lists are ward participation outputs, not measured risk.

## 12. Investment opportunities

Canonical topic pages: Siaya economy (takwimu.netlify.app/counties/siaya/economy/); Siaya agriculture and fisheries (takwimu.netlify.app/counties/siaya/agriculture/).

## Findings

Report D sets out the evidence on sectors, service gaps and infrastructure constraints. No returns, market sizes or project financials are estimated because none is published in the documents held.

> **Interpretation (Takwimu editorial, not a finding)**
>
> Sectors with a large share of county output and visible service gaps are candidates for further study, not investment recommendations.

DRAFT

# 13. Data gaps

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

| ITEM | REASON | DATA FILE |
|---|---|---|
| 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 |
| Budget, total (recurrent + development), FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Budget, recurrent, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Budget, development, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Equitable share, budgeted or expected, FY 2013/14 | Not read: the FY 2013/14 CoB report has not been read. | data/siaya-fiscal-ledger.json |
| Equitable share, budgeted or expected, FY 2019/20 | The CoB annual report for FY 2019/20 was not found and the county BROP FY 2019/20 does not print the equitable share on the pages read. | data/siaya-fiscal-ledger.json |
| Equitable share, received, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Equitable share, received, FY 2019/20 | The Controller of Budget annual report for FY 2019/20 was not found (Parliament library and cob.go.ke, 21 Nov 2026). Only the county BROP FY 2019/20, the Senate CPAC report and comparison figures in later reports are held. | data/siaya-fiscal-ledger.json |
| Conditional grants or additional allocations, budgeted, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Conditional grants or additional allocations, budgeted, FY 2019/20 | The Controller of Budget annual report for FY 2019/20 was not found (Parliament library and cob.go.ke, 21 Nov 2026). Only the county BROP FY 2019/20, the Senate CPAC report and comparison figures in later reports are held. | data/siaya-fiscal-ledger.json |
| Conditional grants or additional allocations, received, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |

DRAFT

| ITEM | REASON | DATA FILE |
|---|---|---|
| Conditional grants or additional allocations, received, FY 2014/15 | The FY 2014/15 CoB report prints only the expected DANIDA grant, not grant receipts. | data/siaya-fiscal-ledger.json |
| Conditional grants or additional allocations, received, FY 2019/20 | The Controller of Budget annual report for FY 2019/20 was not found (Parliament library and cob.go.ke, 21 Nov 2026). Only the county BROP FY 2019/20, the Senate CPAC report and comparison figures in later reports are held. | data/siaya-fiscal-ledger.json |
| Own-source revenue target, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2014/15 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2015/16 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2016/17 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2017/18 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2018/19 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2019/20 | The Controller of Budget annual report for FY 2019/20 was not found (Parliament library and cob.go.ke, 21 Nov 2026). Only the county BROP FY 2019/20, the Senate CPAC report and comparison figures in later reports are held. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2020/21 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A), FY 2021/22 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2014/15 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2015/16 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2016/17 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2017/18 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2018/19 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2019/20 | The Controller of Budget annual report for FY 2019/20 was not found (Parliament library and cob.go.ke, 21 Nov 2026). Only the county BROP FY 2019/20, the Senate CPAC report and comparison figures in later reports are held. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2020/21 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Own-source revenue collected, FIF or A-i-A, FY 2021/22 | No source in the library prints this figure for this year. | data/siaya-fiscal-ledger.json |
| Expenditure, recurrent, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Expenditure, development, FY 2013/14 | The Controller of Budget annual report for FY 2013/14 has not been read; only comparison figures quoted in the FY 2014/15 report are held. No county budget document for the year is in the source library. | data/siaya-fiscal-ledger.json |
| Pending bills, stock at 30 June (end of the fiscal year), FY 2014/15 | Only development pending bills (KSh 800.34m) were published; the county had not worked out a recurrent figure, so no total exists (history.json). | data/siaya-fiscal-ledger.json |

DRAFT

| ITEM | REASON | DATA FILE |
|---|---|---|
| Wage bill (compensation of employees / personnel emoluments spent), FY 2013/14 | Not read. | data/siaya-fiscal-ledger.json |
| Share of national gdp (both, 2019–2024) | Not published as a county value. Both editions publish each county's share of the sum of county GVA (Table 9 in GCP 2025, Table 6 in GCP 2024); GCP excludes taxes on products, so this is not a share of GDP at market prices. KNBS's own GCP 2024 Figure 2 caption calls it "share of Gross Domestic Product". Recorded here under its table name. | data/siaya-economy.json |
| Gva by activity (GCP2025, 2020–2021) | GCP 2025 annexes give activity values for 2022, 2023 and 2024 only. | data/siaya-economy.json |
| Gva by activity (GCP2024, 2019–2020) | GCP 2024 annexes give activity values for 2021, 2022 and 2023 only. | data/siaya-economy.json |
| Gva by activity (both, 2019–2024) | No activity breakdown at constant prices is published in either edition. | data/siaya-economy.json |
| Real growth annual (both, 2019–2024) | Neither edition prints a year-by-year real growth rate for Siaya; only the period average in a chart. Annual rates are not derived here. | data/siaya-economy.json |
| 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 |
| pupil_teacher_ratio (pre-primary) after 2019 | No booklet after 2019 was found; the CIDP gives teachers but no matching enrolment. | data/siaya-education.json |
| primary/secondary GER and NER after 2019 | No later county table found in the sources read. | data/siaya-education.json |
| primary-to-secondary transition rate (Siaya) | The 2019 booklet gives only a national transition rate (Table 11); no county rate was found. | data/siaya-education.json |
| KCSE results (Siaya aggregate) | Only KCSE candidate counts (2013, 2014) are published at county level in the sources read; no county grade distribution. | data/siaya-education.json |
| county bursary actual spending by year | Budget implementation reports show no bursary line in FY 2023/24–2025/26 other than the Bursary Fund table; the BROP gives a planned KSh 120 million but no outturn. | data/siaya-education.json |
| VTC enrolment after 2022 (annual) | Only CIDP plan-period totals and a 2023 baseline of new students were found. | data/siaya-education.json |
| national TVET enrolment after 2014 (Siaya institutions) | No later county figure found. | data/siaya-education.json |

DRAFT

| ITEM | REASON | DATA FILE |
|---|---|---|
| social protection beneficiaries by programme (Inua Jamii: CT-OVC, OPCT, PWSD-CT) | No official county table was found or downloaded; media figures were not used. | data/siaya-education.json |
| youth unemployment rate (Siaya) | Only an unsourced overall rate (31.2%) appears in the CIDP; no county-disaggregated youth rate was found. | data/siaya-education.json |
| UNICEF education figures for Siaya | UN-01 has no Siaya figure; UN-02 names Siaya only in charts and a diet regression, with no readable education value; UN-03 gives a Siaya adolescent disability share (2.0%), which is not an education indicator. | data/siaya-education.json |
| KNBS Economic Survey county education tables | Not downloaded in this pass. | data/siaya-education.json |
| Siaya County Statistical Abstract after 2015 | No newer abstract located; the KNBS portal fails certificate verification. | data/siaya-education.json |
| Yield (t/ha) for any crop | Not printed in either acquired source; not derived. | data/siaya-agriculture.json |
| Cotton and sugarcane area and production | Named as value chains in CIDP 2023–2027 and the 2015 abstract (Table 4.1), but no quantities printed. | data/siaya-agriculture.json |
| Crop area and production 2015–2025 | No later county statistical abstract acquired; Ministry of Agriculture National Agriculture Production Report 2023–2024 (statistics.kilimo.go.ke) could not be downloaded (connection reset, 21 Nov 2026). | data/siaya-agriculture.json |
| Livestock numbers after 2014 | No source acquired (2019 Census livestock tables not yet checked). | data/siaya-agriculture.json |
| Fish landings by beach or BMU | No published aggregate by BMU found. | data/siaya-agriculture.json |
| Fisher and boat counts (frame surveys) | Only 2000–2004 Kenya-wide LVEMP frame survey reports found (pre-county geography); no county-level frame survey acquired. | data/siaya-agriculture.json |
| Fish landings 2015–2021 and 2023–2025 | No source acquired. | data/siaya-agriculture.json |
| Irrigated area by scheme (observed) | CIDP gives only expansion targets for Muluwa and Anyiko; no National Irrigation Board scheme statistics acquired. | data/siaya-agriculture.json |
| Climate-tagged allocation across all departments | No climate budget tagging is published in the CBROP FY 2024/25 or the FY 2025/26 quarterly reports; only FLLoCA grant lines are climate-specific. | data/siaya-climate.json |
| FLLoCA project expenditure and adaptation outcomes | Not published in GOV-02/GOV-03 documents read; FLLoCA programme reports not obtained (climatefinanceken.go.ke fails TLS verification). | data/siaya-climate.json |
| FLLoCA FY 2023/24 receipts | Not found in the documents read. | data/siaya-climate.json |
| Ward hazards other than flood and drought | The PCRA ward tables also list soil erosion, deforestation, strong winds, human-wildlife conflict, pests, mining and others; not yet transcribed row by row. | data/siaya-climate.json |
| PCRA ward tables for Usonga, West Alego, North Ugenya, East Ugenya, Ukwala, Central Sakwa and West Asembo | No ward table is printed for these seven wards in section 2.4.1; some appear only in Annex 2. | data/siaya-climate.json |
| Hazard severity ranking by ward | The PCRA prints no ranking or score by ward. | data/siaya-climate.json |
| Flood impact counts (households affected or displaced, deaths) for Siaya | No Kenya Red Cross, NDMA or NDOC situation report with a Siaya row was obtained; ReliefWeb pages returned HTTP 403. News reports (Tier D) give conflicting counts and are leads only. | data/siaya-climate.json |
| Census 2019 (KPHC Vol IV) water source and sanitation by county | Not downloaded in this pass. | data/siaya-climate.json |
| WASREB sanitation coverage for Siaya (Figure 4.3) | Chart labels for Siaya (3% and 7%) cannot be matched to the three series with confidence. | data/siaya-climate.json |
| WASREB Impact 16 (FY 2022/23) utility values | Downloaded, but its utility tables have no extractable text layer; not read. | data/siaya-climate.json |
| Water coverage before 2022 (ten-year series) | Only 2022 (KDHS, CIDP baseline) and FY 2024/25 (WASREB) values extracted so far; KDHS 2014 county tables and earlier Impact reports not yet read. | data/siaya-climate.json |
| Project register | County Annual Development Plan 2025/26 (GOV-04 ADP) not obtained: only its public participation report was found. Its Annex 4 lists several hundred ward proposals (ranked wishes, not approved projects); they are not entered as projects. | data/siaya-projects.json |

DRAFT

| ITEM | REASON | DATA FILE |
|---|---|---|
| Project register | County budget implementation reports for FY 2024/25 (GOV-02 Q1 to Q4) and Q4 FY 2023/24 have no project annexes; only FY 2025/26 reports do. | data/siaya-projects.json |
| Project register | Controller of Budget Siaya tables for FY 2014/15 to 2017/18 and FY 2019/20 were not read for this register. | data/siaya-projects.json |
| Project register | Executive audit reports for FY 2016/17 to 2018/19 were not found (see data/siaya-audits.json gaps), so early stadium years rest on CoB county data only. | data/siaya-projects.json |
| Project register | No physical verification by Takwimu. Only one project (SIA-P-038) has an independent statement of completion. | data/siaya-projects.json |
| Project register | CIDP capital projects are programme lines; countywide lines (subsidies, routine maintenance, ECD, VTC and so on) are not entered. | data/siaya-projects.json |
| Project register | BIR rows "Preparation of Valuation Roll" (a study) and CoB FY 2022/23 rows for seeds, fertiliser, tractors and land acquisition (purchases) are not entered. | data/siaya-projects.json |
| 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 |
| Audit, county executive, FY 2014/15: opinion only | Only a Senate compilation of opinions was found; no audit report, so no findings. | data/siaya-audits.json |
| Audit, county executive, FY 2015/16: opinion only | Only a Senate compilation of opinions was found; no audit report, so no findings. | data/siaya-audits.json |
| Audit, county executive, FY 2016/17: opinion only | The Auditor-General's report is still not held (no County Executive of Siaya report for FY 2016/17 in the Parliament library; oagkenya.go.ke serves a bot check, 27 Nov 2026). The opinion comes from the Parliamentary Budget Office's County Fact Sheets 2024 (official compilation, secondary), so no findings are recorded. | data/siaya-audits.json |
| Audit, county executive, FY 2017/18: opinion only | The Auditor-General's report is still not held (no County Executive of Siaya report for FY 2017/18 in the Parliament library; oagkenya.go.ke serves a bot check, 27 Nov 2026). The opinion comes from the Parliamentary Budget Office's County Fact Sheets 2024 (official compilation, secondary), so no findings are recorded. | data/siaya-audits.json |
| Audit, county executive, FY 2018/19: opinion only | The Auditor-General's report is still not held (no County Executive of Siaya report for FY 2018/19 in the Parliament library; oagkenya.go.ke serves a bot check, 27 Nov 2026). The opinion comes from the Parliamentary Budget Office's County Fact Sheets 2024 (official compilation, secondary), so no findings are recorded. | data/siaya-audits.json |
| Audit, county assembly, FY 2013/14: missing | The FY 2013/14 financial operations file is titled for the executive and assembly but holds the executive report only; the 16–month audit covers the county government as a whole. | data/siaya-audits.json |
| Audit, county assembly, FY 2014/15: missing | No County Assembly of Siaya audit report found in the Parliament library (searched 21 Nov 2026); oagkenya.go.ke returned HTTP 503. | data/siaya-audits.json |
| Audit, county assembly, FY 2015/16: missing | No County Assembly of Siaya audit report found in the Parliament library (searched 21 Nov 2026); oagkenya.go.ke returned HTTP 503. | data/siaya-audits.json |
| Audit, county assembly, FY 2016/17: opinion only | The Auditor-General's report is still not held (no County Assembly of Siaya report for FY 2016/17 in the Parliament library; oagkenya.go.ke serves a bot check, 27 Nov 2026). The opinion comes from the Parliamentary Budget Office's County Fact Sheets 2024 (official compilation, secondary), so no findings are recorded. | data/siaya-audits.json |

DRAFT

| ITEM | REASON | DATA FILE |
|---|---|---|
| **Audit, county assembly, FY 2017/18: opinion only** | The Auditor-General's report is still not held (no County Assembly of Siaya report for FY 2017/18 in the Parliament library; oagkenya.go.ke serves a bot check, 27 Nov 2026). The opinion comes from the Parliamentary Budget Office's County Fact Sheets 2024 (official compilation, secondary), so no findings are recorded. | `data/siaya-audits.json` |
| **Audit, county assembly, FY 2018/19: opinion only** | The Auditor-General's report is still not held (no County Assembly of Siaya report for FY 2018/19 in the Parliament library; oagkenya.go.ke serves a bot check, 27 Nov 2026). The opinion comes from the Parliamentary Budget Office's County Fact Sheets 2024 (official compilation, secondary), so no findings are recorded. | `data/siaya-audits.json` |
| **Audit, county assembly, FY 2019/20: missing** | No County Assembly of Siaya audit report found in the Parliament library (searched 21 Nov 2026); oagkenya.go.ke returned HTTP 503. | `data/siaya-audits.json` |
| **Audit, county assembly, FY 2021/22: missing** | No County Assembly of Siaya audit report found in the Parliament library (searched 21 Nov 2026); oagkenya.go.ke returned HTTP 503. | `data/siaya-audits.json` |

DRAFT

# 14. Indicator dictionary

| INDICATOR | UNIT | DEFINITION |
|---|---|---|
| Budget, total (recurrent + development) | KSh million | Approved county budget for the year. budget_version says which version (original, supplementary, or as reported without a stated version). |
| Budget, recurrent | KSh million | Recurrent part of the approved budget. |
| Budget, development | KSh million | Development part of the approved budget. |
| Equitable share, budgeted or expected | KSh million | Equitable share of revenue raised nationally that the budget expected. |
| Equitable share, received | KSh million | Equitable share actually received in the year. |
| Conditional grants or additional allocations, budgeted | KSh million | Conditional grants or additional allocations (national government and development partners) in the budget. |
| Conditional grants or additional allocations, received | KSh million | Conditional grants or additional allocations actually received. |
| Own-source revenue target | KSh million | Annual own-source revenue target. basis says whether health facility revenue (FIF/A-i-A) is included. |
| Own-source revenue collected, total | KSh million | Own-source revenue collected, including FIF/A-i-A where the source includes it; years before the split was printed carry one figure whose coverage is not stated. |
| Own-source revenue collected, ordinary (excluding FIF/A-i-A) | KSh million | Ordinary own-source revenue paid into the County Revenue Fund, excluding health facility revenue and other A-i-A. |
| Own-source revenue collected, FIF or A-i-A | KSh million | Facility Improvement Financing (health facility revenue) or appropriations-in-aid, as each source labels it. |
| Expenditure, total | KSh million | Actual expenditure in the year. |
| Expenditure, recurrent | KSh million | Actual recurrent expenditure. |
| Expenditure, development | KSh million | Actual development expenditure. |
| Pending bills, stock at 30 June (end of the fiscal year) | KSh million | Stock of unpaid bills at the end of the fiscal year. An opening stock printed in the next year's report is recorded here against the year it closes (stock_point "opening_of_next_year"). |
| Wage bill (compensation of employees / personnel emoluments spent) | KSh million | Actual spending on compensation of employees or personnel emoluments. Some CoB key-issue paragraphs quote a smaller "wage bill" on a basis they do not define; both are kept. |
| Gross value added: Agriculture, forestry and fishing | KSh million | KNBS Gross County Product, ISIC section A. |
| Gross value added: Mining and quarrying | KSh million | KNBS Gross County Product, ISIC section B. |
| Gross value added: Manufacturing | KSh million | KNBS Gross County Product, ISIC section C. |
| Gross value added: Electricity supply | KSh million | KNBS Gross County Product, ISIC section D. |
| Gross value added: Water supply; waste collection | KSh million | KNBS Gross County Product, ISIC section E. |
| Gross value added: Construction | KSh million | KNBS Gross County Product, ISIC section F. |
| Gross value added: Wholesale and retail trade; repair of motor vehicles | KSh million | KNBS Gross County Product, ISIC section G. |
| Gross value added: Transport and storage | KSh million | KNBS Gross County Product, ISIC section H. |
| Gross value added: Accommodation and food service activities | KSh million | KNBS Gross County Product, ISIC section I. |
| Gross value added: Information and communication | KSh million | KNBS Gross County Product, ISIC section J. |
| Gross value added: Financial and insurance activities | KSh million | KNBS Gross County Product, ISIC section K. |
| Gross value added: Real estate activities | KSh million | KNBS Gross County Product, ISIC section L. |
| Gross value added: Professional and technical services | KSh million | KNBS Gross County Product, ISIC section M. |
| Gross value added: Administrative support services | KSh million | KNBS Gross County Product, ISIC section N. |

DRAFT

| INDICATOR | UNIT | DEFINITION |
|---|---|---|
| Gross value added: Public administration and defence | KSh million | KNBS Gross County Product, ISIC section O. |
| Gross value added: Education | KSh million | KNBS Gross County Product, ISIC section P. |
| Gross value added: Human health and social work activities | KSh million | KNBS Gross County Product, ISIC section Q. |
| Gross value added: Other service activities | KSh million | KNBS Gross County Product, ISIC section S. |
| Gross value added: Financial services indirectly measured (FISIM, deducted) | KSh million | KNBS Gross County Product, ISIC section null. |
| Adult HIV prevalence | % | Modelled estimate (EPP/Spectrum), quoted |
| HIV prevalence | % | Modelled estimate, quoted |
| HIV prevalence, adults 15+ | % | Modelled estimate |
| HIV prevalence (overall) | % | Modelled estimate |
| HIV incidence, adults 15–49 | % per year | Modelled estimate, quoted |
| HIV incidence, adults 15+ | per 1,000 population per year | Modelled estimate |
| Annual new HIV infections, all ages | people | Modelled estimate, quoted |
| Estimated new HIV infections, adults 15+ | people | Modelled estimate |
| New HIV infections, overall | people | Modelled estimate |
| Adult ART coverage (of adults in need) | % | Programme count over modelled need |
| Children ART coverage (of children in need) | % | Programme count over modelled need |
| Patients on ARVs | people | Routine facility data (KHIS) |
| People living with HIV who know their status (1st 95) | % | Modelled estimate with programme data |
| Initiation on ART and retention (2nd 95) | % | Modelled estimate with programme data |
| Virally suppressed (3rd 95) | % | Modelled estimate with programme data |
| People living with HIV virally suppressed (uptake) | % | Routine facility data (KHIS) |
| Mother-to-child HIV transmission rate | % | Modelled estimate, quoted |
| TB prevalence | per 100,000 population | not stated (likely notified cases) |
| TB prevalence (CIDP baseline) | per 100,000 population | Routine TB programme data (TIBU), as quoted |
| TB incidence | per 100,000 population | not stated |
| TB cure rate | % | Routine programme data (source not named) |
| TB patients co-infected with HIV | % | Routine TB programme data (TIBU) |
| Malaria prevalence | % | not stated |
| Children under 5 who slept under an ITN last night | % | Household survey |
| Women with a recent live birth who received 3+ doses of SP (IPTp) | % | Household survey |
| Antenatal care from a skilled provider | % | Household survey |
| Births attended by a skilled provider | % | Household survey |
| Skilled deliveries | % | Routine data (source not named) |
| Deliveries conducted by skilled birth attendants (CIDP baseline) | % | Routine data (source not named) |
| Births in a health facility | % | Household survey |
| Health facility deliveries | % | Routine facility data (KHIS) |
| Children 12–23 months fully vaccinated | % | Household survey (card or mother's report) |

DRAFT

| INDICATOR | UNIT | DEFINITION |
|---|---|---|
| Children 12–23 months fully vaccinated (basic antigens) | % | Household survey (card or mother's report) |
| Children 12–23 months with all basic vaccinations | % | Household survey (card or mother's report) |
| Children 12–23 months fully vaccinated (national schedule) | % | Household survey (card or mother's report) |
| Immunisation coverage of the targeted population | % | Routine data (source not named) |
| Children under 5 who are stunted (below -2 SD) | % | Household survey, anthropometry (WHO standards) |
| Prevalence of stunting (height for age) | % | Survey (as named; not retrieved) |
| Population per doctor | people per health worker (printed as 1:N) | Staff count over population (source not named) |
| Population per nurse | people per health worker (printed as 1:N) | Staff count over population (source not named) |
| Population per clinical officer | people per health worker (printed as 1:N) | Staff count over population (source not named) |
| Community health units | units | Administrative count (as quoted) |
| Community health units assessed in the baseline | units | Assessment (as quoted) |
| Community health committees fully functional | % of committees assessed | Assessment (as quoted) |
| HIV prevalence, ages 13–34 (HDSS area) | % | Door-to-door HIV counselling and testing survey |
| Pre primary enrolment | pupils | Devolved (county) function; actual as printed. |
| Gender parity index | index (female/male) | Devolved (county) function; actual as printed. |
| Gross enrolment rate | percent | Devolved (county) function; actual as printed. |
| Pre primary teachers | teachers | Devolved (county) function; actual as printed. |
| Pupil teacher ratio | pupils per teacher | Devolved (county) function; actual as printed. |
| Pre primary centres | centres | Devolved (county) function; actual as printed. |
| Average school size | pupils per centre | Devolved (county) function; actual as printed. |
| Primary schools | schools | National function; actual as printed. |
| Primary enrolment | pupils | National function; actual as printed. |
| Primary teachers | teachers | National function; actual as printed. |
| Secondary schools | schools | National function; actual as printed. |
| Secondary enrolment | students | National function; actual as printed. |
| Secondary teachers | teachers | National function; actual as printed. |
| Net enrolment rate | percent | Devolved (county) function; actual as printed. |
| Population age 3 5 | persons | National function; projection as printed. |
| Population age 6 13 | persons | National function; projection as printed. |
| Population age 14 17 | persons | National function; projection as printed. |
| Kcpe candidates | candidates | National function; actual as printed. |
| Kcse candidates | candidates | National function; actual as printed. |
| Tvet enrolment | students | National function; actual as printed. |
| Vtc enrolment | trainees | Devolved (county) function; actual as printed. |
| Vtc centres | institutions listed | Devolved (county) function; provisional as printed. |
| Cdf bursary amount | KSh million | National function; actual as printed. |
| Cdf bursary beneficiaries | students | National function; provisional as printed. |
| Education department budget | KSh million | Devolved (county) function; approved_estimate as printed. |
| Education department expenditure | KSh million | Devolved (county) function; provisional as printed. |
| Pre primary centres equipped | centres | Devolved (county) function; actual as printed. |

DRAFT

| INDICATOR | UNIT | DEFINITION |
|---|---|---|
| Pre primary teachers required | teachers | Devolved (county) function; plan_target as printed. |
| Pre primary enrolment rate | percent | Devolved (county) function; actual as printed. |
| Pre primary new enrolment | pupils | Devolved (county) function; baseline as printed. |
| Pre primary retention rate | percent | Devolved (county) function; baseline as printed. |
| Pre primary transition rate | percent | Devolved (county) function; baseline as printed. |
| Vtc capitation beneficiaries | trainees (cumulative) | Devolved (county) function; actual as printed. |
| Vtc new enrolment | students | Devolved (county) function; baseline as printed. |
| Vtc retention rate | percent | Devolved (county) function; baseline as printed. |
| County bursary beneficiaries | students (cumulative) | Devolved (county) function; actual as printed. |
| County bursary amount | KSh million | Devolved (county) function; plan_target as printed. |
| Unemployment rate | percent | National function; actual as printed. |
| County bursary fund cumulative disbursement | KSh | Devolved (county) function; actual as printed. |
| County bursary fund allocation | KSh | Devolved (county) function; actual as printed. |
| Vtc capitation amount | KSh | Devolved (county) function; plan_target as printed. |
| Net attendance ratio | percent | National function; survey_estimate as printed. |
| Gender parity index nar | index (female/male) | National function; survey_estimate as printed. |
| Gross attendance ratio | percent | National function; survey_estimate as printed. |
| Gender parity index gar | index (female/male) | National function; survey_estimate as printed. |
| Attainment no education | percent | National function; survey_estimate as printed. |
| Attainment some primary | percent | National function; survey_estimate as printed. |
| Attainment completed primary | percent | National function; survey_estimate as printed. |
| Attainment some secondary | percent | National function; survey_estimate as printed. |
| Attainment completed secondary | percent | National function; survey_estimate as printed. |
| Attainment more than secondary | percent | National function; survey_estimate as printed. |
| Attainment median years | years | National function; survey_estimate as printed. |

DRAFT

# 15. 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) |
| CIDP-2023-2027 | County Integrated Development Plan 2023–2027 (final print file). County Government of Siaya. 2024-01. Period: 2023–2027 (review of 2018–2022). | 650a5bdf71c5d4d43247a837752e0c3f2978d4ef53853033566278e7e6be9d0d | https://siaya.go.ke/wp-content/uploads/2026/10/County-Government-of-Siaya-CIDP-2023-2027-Final-Print-File-2024.pdf | All rights reserved (county site footer): link and cite only (terms) |
| CLIM-01 | Siaya County Participatory Climate Risk Assessment (PCRA) Report, 2023. County Government of Siaya, Department of Water, Sanitation, Environment, Natural Resources and Climate Change. 2023 (cover); PDF created 2024-06-19. Period: PCRA ward public participation, 2023. | 94ac1729fa29f651b4516ffc35dc676238273f3ef66773249a285111f8898313 | https://maarifa.cog.go.ke/sites/default/files/2024-06/Siaya%20County%20PCRA%20Report%20%28revised%20nakuru%29%20FINAL.pdf | No reuse licence stated: link and cite (terms) |
| GOV-01-PDF | County Government of Siaya, County Integrated Development Plan 2023–2027 (final print file). County Government of Siaya. not stated. Period: 2023–2027. | 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, rights reserved; figures citable, not redistributed (terms) |
| GOV-02-FY2025-26-Q4 | County Government of Siaya, Budget Implementation Report for 4th Quarter Ending June 30th 2026. County Government of Siaya (County Treasury). not stated. Period: FY 2025/26, Q4 and year to date (to June 2026). | 4344ce3966b981e0196b1c81b7a209a294239ccaa473d753b7fc5c85170faec3 | https://siaya.go.ke/?cgdp_download=31593 | © County Government of Siaya, rights reserved; figures citable, not redistributed (terms) |
| IBP-01 | Kenya's County Budget Transparency Survey 2022: Siaya County Summary. International Budget Partnership Kenya. not stated. Period: Survey 2022. | bf554ddbcdc16d5ac81a1540ef301e0d1d5a21913373faebb187b9d796f8bed1 | https://internationalbudget.org/wp-content/uploads/Siaya-County.pdf | No licence stated; figures citable with the IBP citation (terms) |
| IBP-02 | County Budget Transparency Survey 2021: County Summaries. International Budget Partnership Kenya. not stated. Period: Survey 2021. | 78c791c3959279633e8158d37b1ccc2ff9376485c88e17bbf8d65eeba2a1498a | https://internationalbudget.org/wp-content/uploads/CBTS-2021-County-Summaries-FINAL.pdf | No licence stated; figures citable with the IBP citation (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 | Kenya Demographic and Health Survey 2022, Volume 1 [FR380]. Kenya National Bureau of Statistics, Ministry of Health and partners; published by The DHS Program. 2023. Period: Fieldwork February-July 2022. | 202dd70451a0bd1d782ddcd104201770e7b17cd25de2719b2191035d2e770111 | https://dhsprogram.com/pubs/pdf/FR380/FR380.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) |
| KNBS-01-PDF | Kenya National Bureau of Statistics, Gross County Product 2025. Kenya National Bureau of Statistics. 2025. Period: 2020–2024 estimates. | 412af7c153b065b0e94cd74124274b12fade03554ccccad6ee50789b23661c2c | https://repository.knbs.or.ke/server/api/core/bitstreams/72010f40-cf27-43cc-a5bd-318a9665a62f/content | CC BY-NC 4.0 (stated in the report and the repository record) (terms) |

| KEY | TITLE, PUBLISHER, DATE | SHA-256 | URL | LICENCE |
|---|---|---|---|---|
| KNBS-02-PDF | Kenya National Bureau of Statistics, Gross County Product 2024. Kenya National Bureau of Statistics. 2024. Period: 2019–2023 estimates. | fe2dff51a6976cbc60d9aeb35b03c8d3fdc4b927de967bb9ba554c5efe4f8ad8 | https://repository.knbs.or.ke/server/api/core/bitstreams/a7057585-8e4b-4d07-8c64-418f701710fa/content | CC BY-NC 4.0 (stated in the report and the repository record) (terms) |
| 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) |
| KNBS-CSA-SIAYA-2015 | Siaya County Statistical Abstract 2015. Kenya National Bureau of Statistics (data from County Government of Siaya departments of Agriculture, Livestock and Fisheries). 2015. Period: 2013–2014. | 3e7cfa7105a03dc01ef346ad2ea2aea65cd9b9f7c17614cd15fa9f5b56fddb13 | https://www.maarifa.cog.go.ke/sites/default/files/2026-02/2015-County-Statistical-Abstracts-Siaya.pdf | Copyright KNBS, all rights reserved; "Extracts may be used or published if the source is duly acknowledged" (p.ii) (terms) |
| MOE-BESB-2014 | 2014 Basic Education Statistical Booklet. Ministry of Education, Science and Technology. 2015. Period: 2014. | 3ebf97e5064f8f0110f4859f4422083e6868ef083c421f1deaaae19751112f7b | https://kicd.ac.ke/wp-content/uploads/2017/10/2014-Basic-Education-Statistical-Booklet.pdf | No licence stated; figures citable, not redistributed (terms) |
| MOE-BESB-2019 | Basic Education Statistical Booklet 2019. Ministry of Education (State Department for Early Learning and Basic Education). 2020. Period: 2019. | a716c61e7f91aff42205cf861e3a5aee81605b3e7e890b9bcb140360a7724a9e | https://s3-eu-west-1.amazonaws.com/s3.sourceafrica.net/documents/120844/Kenya-Basic-Education-Statistical-Booklet-2019.pdf | No licence stated; figures citable, not redistributed (terms) |
| WASREB-IMPACT-18 | Impact: A Performance Report of Kenya's Water Services Sector 2024/2025 (Impact 18). Water Services Regulatory Board (WASREB). 2026-06. Period: FY 2024/25. | 93c826ddcf57075968f72814dc9e68cf1f141eec080bccfb7090c928d8d09720 | https://wasreb.go.ke/wp-content/uploads/2026/06/Impact-18-Report.pdf | No licence stated; figures citable, not redistributed (terms) |
| audit-2013-14 | Report of the Auditor General on the Financial Statements of County Government of Siaya for the sixteen (16) months Period Ended 30 June 2014. Office of the Auditor-General. 2015. Period: FY 2013/14. | 8e1191c33527c39d7080b97a6661857a002bd6c76e8d04bcc19a22aca7bfa7ed | https://libraryir.parliament.go.ke/server/api/core/bitstreams/5dca509f-6924-4b8f-b763-dd46c4dd4172/content | No licence stated; figures citable, not redistributed (terms) |
| audit-2019-20 | Reports of the Auditor General on the Financial Statements of Tharaka Nithi, Homa Bay, Kakamega, Kirinyaga, Makueni,Meru, Bomet, Murang'a, Nandi, Nyamira, Nyeri, Siaya, Vihiga, Wajir and Samburu 2019–2020. Office of the Auditor-General. 2024-02-05. Period: FY 2019/20. | 487daede734a71897a15185dc90ff179e69196bbd5d249b16ee0057c17e472e4 | https://libraryir.parliament.go.ke/server/api/core/bitstreams/8f8d6181-5ee1-4b45-8288-703cdd26d4bd/content | No licence stated; figures citable, not redistributed (terms) |
| audit-2020-21 | Report of the Auditor-General on County Executive of Siaya for the Year Ended 30 June 2021. Office of the Auditor-General. 2022-10-25. Period: FY 2020/21. | 45a4bd1d40704369a109a82a02bac38304de0bf2e0b05dfd0632e2391b5e0a6b | https://libraryir.parliament.go.ke/server/api/core/bitstreams/34a55862-85c6-4c3c-9df2-7f0fd6a08c7b/content | No licence stated; figures citable, not redistributed (terms) |
| audit-2021-22 | Report of the Auditor-General on County Executive of Siaya for the Year Ended 30 June 2022. Office of the Auditor-General. 2023. Period: FY 2021/22. | 5066633d5c1201362b6a8520460b8d64918ea901294066ffb28a4b26142d2be7 | https://libraryir.parliament.go.ke/server/api/core/bitstreams/65a37c0b-e189-4aa0-bfde-f2777b171e69/content | No licence stated; figures citable, not redistributed (terms) |
| audit-2022-23 | Report of the Auditor-General on County Executive of Siaya for the Year Ended 30 June 2023.. Office of the Auditor-General. 2024. Period: FY 2022/23. | 9eb4ed9e61ac1d512142b0a0d6c0df3f6e10535da9f0f0995f4b58bb4b0101e3 | https://libraryir.parliament.go.ke/server/api/core/bitstreams/bbe0a36b-bb54-443b-9d72-91446d0527f3/content | No licence stated; figures citable, not redistributed (terms) |
| audit-2023-24 | Report of the Auditor-General on County Executive of Siaya for the Year Ended 30 June, 2024. Office of the Auditor-General. 2025-03-05. Period: FY 2023/24. | d467556765db30e52a70ea38d1cb5ffe0dd56022100ec72d240409571fdfbc48 | https://libraryir.parliament.go.ke/server/api/core/bitstreams/ff966c32-8411-45f1-b2fb-0ecea70de789/content | No licence stated; figures citable, not redistributed (terms) |

| KEY | TITLE, PUBLISHER, DATE | SHA-256 | URL | LICENCE |
|---|---|---|---|---|
| **audit-2024-25** | Report of the Auditor-General on County Executive of Siaya for the Year Ended 30 June 2025. Office of the Auditor-General. 2025-12-09. Period: year to 30 June 2025. | `ac77d76f5df088d5ab1f07d4e0b045abeaa752bf60cc8be693bf20d18bfecabe` | https://libraryir.parliament.go.ke/items/a8d4bb86-fc16-43f1-b109-97514df5e868 | Not stated: link and cite only (terms) |
| **audit-asm-2020-21** | Report of the Auditor-General on County Assembly Of Siaya for the Year Ended 30 June 2021. Office of the Auditor-General. 2022-06-30. Period: year to 30 June 2021. | `429cf207e32f9fd9ecad1237b144978a15d7e05cf42bcf9ca77c7824459572f9` | https://libraryir.parliament.go.ke/items/1e24d0bc-cbea-4778-8bb4-204f018830b6 | Not stated: link and cite only (terms) |
| **audit-asm-2022-23** | Report of the Auditor-General on County Assembly of Siaya for the Year Ended 30 June 2023. Office of the Auditor-General. 2024-02-14. Period: year to 30 June 2023. | `f29e0ab2e2893169a6c79fbeb9511bd5d089a568936b75dd8a13920c89dfd6ca` | https://libraryir.parliament.go.ke/items/2ffcd198-5520-4407-abcf-a3bba6ebc66e | Not stated: link and cite only (terms) |
| **audit-asm-2023-24** | Report of the Auditor-General on County Assembly of Siaya for the Year Ended 30 June, 2024. Office of the Auditor-General. 2024-12-27. Period: year to 30 June 2024. | `4854ae471a643b06f170b333f383a312e0eb7f77d454b0a03246d32466dac3b5` | https://libraryir.parliament.go.ke/items/d97ee62e-564b-4a6b-a84a-b66cba4b9883 | Not stated: link and cite only (terms) |
| **audit-asm-2024-25** | Report of the Auditor-General on County Assembly of Siaya for the Year Ended 30 June 2025. Office of the Auditor-General. 2025-12-19. Period: year to 30 June 2025. | `625a8d0dff5cb142020c8c500161611d25a1b8bab5098fb9b2b121ceb458056c` | https://libraryir.parliament.go.ke/items/25843839-3e3e-45b6-a5cd-af79d6f80a36 | Not stated: link and cite only (terms) |
| **audit-fo-2013-14** | Report of the Auditor-General on the Financial Operations of Siaya County Executive and Assembly for the Period 1st July 2013 to 30 June 2014. Office of the Auditor-General. 2015-05-25. Period: 1 July 2013 to 30 June 2014. | `8777dd0be31ece70da63464f04f03d1f0e8a370e6e1e8ee0014c4f3df9d82800` | https://libraryir.parliament.go.ke/items/a9ed06a1-4d51-423e-8a08-2ffaee6171b4 | Not stated: link and cite only (terms) |
| **cob-q1-2025-26** | County Governments Budget Implementation Review Report for the First Quarter of FY 2025/26 (November 2025). Office of the Controller of Budget. 2026-02-19. Period: FY 2025/26. | `1030c623c39a23e49a2272ff39d7b13c7aafe32f28915984eddca35c27cfc37e` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/0db2380e-ac93-4eca-8ba1-97f28c1192fc/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2014-15** | Annual County Governments Budget Implementation Review Report FY 2014/15. Office of the Controller of Budget. 2015-08. Period: FY 2014/15. | `7e215374994c673bf6c4784b664ea7b27cef609197634ece154993a5ab8e37c1` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/ca94b6e1-c487-4d71-86c3-e1c1790f7dfe/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2015-16** | Annual County Governments Budget Implementation Review Report FY 2015/16. Office of the Controller of Budget. 2016-11-16. Period: FY 2015/16. | `24cdd9e55166dc4354ebe868e42e1f0c2b0625cbc9d24d6b78b121f0222ce605` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/700e1fa6-e7e2-4890-a4bc-73d9eaa005d2/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2016-17** | Annual County Governments Budget Implementation Review Report FY 2016/17. Office of the Controller of Budget. 2017. Period: FY 2016/17. | `a206f4fe5ea76543d06327e4dc3af6d13a0300abd05a9e637e94798dca6a2b09` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/4bd0e780-fab8-4c17-b02a-52f17f372c7e/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2017-18** | Annual County Governments Budget Implementation Review Report FY 2017/18. Office of the Controller of Budget. 2018. Period: FY 2017/18. | `78589c5708b28d04a3ae90b152dfaecf35001da11ee7457503f113f3f09832f1` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/3ec6f381-f2b8-4881-bf1a-a15d099dcd66/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2018-19** | Annual County Governments Budget Implementation Review Report FY 2018/19. Office of the Controller of Budget. 2019. Period: FY 2018/19. | `7d8c1a0b35e2ca42b53dfa0b6979b4f37c57db61c60e142e727e7b3f29c19798` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/ac5966ef-fbc8-4b35-9712-c4b8bd838ebd/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2020-21** | County Governments Budget Implementation Review Report FY 2020/21. Office of the Controller of Budget. 2022-01-25. Period: FY 2020/21. | `498e5e003147fbdb7da09c8a9079a1f940a09aa87076673255da3a2c54937868` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/fa13464d-84c7-492c-a336-b65c902ddfbe/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2021-22** | County Governments Budget Implementation Review Report FY 2021/22. Office of the Controller of Budget. 2022-09. Period: FY 2021/22. | `e62e1a599503907bea4d7e144d96b3ffcbe810557d542bcf0fd4c224b109feb0` | https://libraryir.parliament.go.ke/server/api/core/bitstreams/159324ac-5f7d-4020-9ab5-30deeca6f80e/content | No licence stated; figures citable, not re-distributed (terms) |

| KEY | TITLE, PUBLISHER, DATE | SHA-256 | URL | LICENCE |
|---|---|---|---|---|
| **cob-report-2022-23** | Annual County Governments Budget Implementation Review Report FY 2022/23. Office of the Controller of Budget. 2024-04-23. Period: FY 2022/23. | 385285d52418d94b8f72379a51dfacbbd4d11f8926840049269fa388dd47d9da | https://libraryir.parliament.go.ke/server/api/core/bitstreams/ea1fa5f7-1c31-4851-aaa3-ad14a40b0fe7/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2023-24** | County Governments Budget Implementation Review Report FY 2023/24. Office of the Controller of Budget. 2024-09-18. Period: FY 2023/24. | 7a9690d049576fa1346a54da71f52c1742cdb01e154b99139cd1d445cbd6102f | https://libraryir.parliament.go.ke/server/api/core/bitstreams/8dff45e0-0da9-4344-a141-4bc9c0e411e7/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2024-25** | County Governments Budget Implementation Review Report FY 2024/25. Office of the Controller of Budget. 2025-09-23. Period: FY 2024/25. | b69858e28e2c59de961f39e749e9885462e5608e9db2291b807040cc59a35f5c | https://libraryir.parliament.go.ke/server/api/core/bitstreams/3458a286-34f3-45fd-9d9d-d8215c6f8d11/content | No licence stated; figures citable, not re-distributed (terms) |
| **cob-report-2025-26** | County Governments Budget Implementation Review Report for the Financial Year 2025/26 (August 2026), Part 1. Office of the Controller of Budget. 2026-08. Period: FY 2025/26. | 8939f37ba1255ff3b0062a5db01f870c3462a26b9d3addf6e9fa5a027574e4dd | https://libraryir.parliament.go.ke/server/api/core/bitstreams/18137d92-306c-4c84-9a99-9cc665b9834f/content | No licence stated; figures citable, not re-distributed (terms) |
| **pbo-county-fact-sheets-2024** | Parliamentary Budget Office, County Fact Sheets 2024 (April 2025). Parliamentary Budget Office, National Assembly. 2025-04. Period: Audit opinions FY 2013/14 to FY 2022/23 (Siaya Table 5, PDF p. 392). | 8649349c9cd15757abef0a720f2e0aa18dbdf04b57cd2b22f692180edc9b547e | https://www.parliament.go.ke/sites/default/files/2025-06/COUNTY%20FACT%20SHEETS%20-2024%20-APRIL-2025%20%20Website_1.pdf | No licence stated; figures citable, not re-distributed (terms) |
| **senate-fiduciary-annexes-2018** | Senate County Public Accounts and Investments Committee, Annexes to Fiduciary Report (November 2018). Senate of Kenya. not stated. Period: FY 2014/15 and 2015/16. | 6a9b4bc3bbfab8d6eb2bd8d155ff001bdcd34833ecfbb6d486e360267fdf2837 | https://www.parliament.go.ke/sites/default/files/2018-11/Annexes%20to%20Fiduciary%20Report.pdf | No licence stated; figures citable, not re-distributed (terms) |

## Sources cited by description

- KNBS 2009 census, as reproduced in Siaya ADP 2015/16 and 2018/19
- KNBS 2019 census, as reproduced in the Siaya CIDP 2023–2027 (data/county.json)
- KNBS census and county plans (as reproduced in the county plans)
- Siaya CIDP 2023–2027 (data/county.json)
- Takwimu programme atlas summary (data/siaya-programmes.json)

DRAFT

# 16. Snapshot, method and licence

Snapshot ID 9e4f828ecba7 identifies the input files below and the review state of every value at the time of printing (review state: 317 provisional, 0 approved, 142 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 |
|---|---|
| data/history.json | 914425b67fbc6652974f1ed395ce221e0f80c00fc51cd3b6dbee9ee9431e341f |
| data/reviews.json | c9d511495ad60dfa3ea068a7c29087763cfd4b661f9b099d7fd323d3b672e72d |
| data/siaya-agriculture.json | 107bcb546b0ee746230832cf58872cfa053db7543e7b012f5e55a7ef7f708082 |
| data/siaya-analysis.json | c73bad4b054873c66d3c567e1a0f89f735edf908c985958b03352113b8ffd014 |
| data/siaya-audits.json | 62803241adca3d705fed1b14df36d37b7bb2cdc7367c2beac495dd2025c2715e |
| data/siaya-climate.json | 241d781daa2579da92ec5c92494d46f56a94f8797f8df980305f5fc0c8ff6e6a |
| data/siaya-economy.json | 650193fab4a5855218eeb9e41481ef8a26eb7f46289fd895e351d5c8230e7780 |
| data/siaya-education.json | 39bb1f52fd957ceee08b70a47342a8228af275d97473d4721d3ec627972cbdab |
| data/siaya-fiscal-ledger.json | 5b8e1b4b9256c70fc0a92fc8668b9257ecf2f167a0696763f076e67e1d5433b3 |
| data/siaya-geography.json | 858f92c63dd06dfbd2ae2cf5208401eb1684d4c611cc3d8dbd8e891182d69ded |
| data/siaya-governance.json | e854200d17dc5663d96d161fbc89032fd27a12ed20620a3b26b01af3711cea30 |
| data/siaya-health.json | e946ebaa40d3ba3ed86eea356d8a6be22f2514dcb878d44666ab21a20409fafd |
| data/siaya-programmes.json | 228a58e5f0aedd7312af4910b3e942192f77442f7b270fce028b1e702eb0757d |
| data/siaya-projects.json | 5e9124b9507bcc1279d671881177911fafbf8134ef520ae677f5f19d2ef85023 |
| data/source-library.json | 3504c8e0b46ea08561b9eaf3e4de380fb86b8f3cc8dfb52de64f197cd15f4061 |
| data/source-manifest.json | 297f4e588ef28ba71ce68960b2c4f476bb143f678c85e8edf12c50efa4bbe8cd |
| review state (lib/review-status.js) | c4c5999885c9455aa47d12ef0c98a257d2b6260d2fa60949ac40d55ea54d5c54 |

DRAFT