NAIROBI / AUDIT & EVIDENCE REFERENCE

Assumptions register

Ten published assumptions, their sources and their limits.

Source and scope
This document reformats the complete published source. Historical results and current-tense wording belong to that source context. It is not a new rerun or independent certification. People, histories and model counts are synthetic.

Recorded value	Meaning
10	Assumptions
7	External references
2	Internal model statements
1	Unverified band

Read before use

Read the evidence basis

Seven entries cite external references. The historical anchor and record-provenance entries are internal model statements.

Keep the limitation visible

The electrification comparison band has not been independently re-verified. Calibration weights, generation formulas and internal thresholds remain controlled.

Request the full supporting notes from Fidelra

Full published source

Nairobi · Assumptions register

FCTE · Nairobi City Twin

Published audit report · Read the scope with the result

Conceptual illustration

Source & scope

Public comparison bands.

City evidence library

Domain check outcomes

Use & governance

01

Ten assumptions. Explicit sources.

Recorded source values
10 assumptions on the register
7 named external references
2 internal model statements
1 not independently re-verified

Public assumptions view.

Assumption values, ranges and their sources are shown here. Internal calibration parameters, generation logic, physical field mappings and repair mechanics remain controlled.

02

Inspect the bands and sources.

Country-specific bands are shown separately. Shared bands cover both cities.

Assumption	Band / value	Source	Domain
Average household size	1.5 - 7.0 people	KNBS 2019 (Kenya ~2.9) · Nigeria NDHS (~4.8-5.0)	Demographics / Household
Birth rate	20 - 40 per 1,000	UN World Population Prospects 2022 (Kenya ~28.3, Nigeria ~34.2)	Demographics
Death rate	3 - 15 per 1,000	UN World Population Prospects 2022 (Kenya ~5.4, Nigeria ~11.4)	Demographics
Formal health-insurance coverage	5% - 60% of residents	Kenya NHIF/SHIF and Nigeria NHIS public coverage estimates	Insurance
Health-insurance employee contribution	0.5% - 5% of income	Nigeria NHIS (~5% employee share)	HR / Employment
Pension contribution rate	1% - 10% of income	Nigeria Contributory Pension Scheme (8% employee share)	HR
Income tax (PAYE) rate	5% - 30% of income	Nigeria's progressive PAYE bands (to 24% at the top)	HR / Employment
Household electrification rate	10% - 95% of households	Disclosed limitation - this band has not yet been independently re-verified against an external target; see the Power domain's own change history	Power / Energy
Historical coverage window	1940 - present (86 years)	Platform-wide repeatable starting point; every domain's generated history begins from the same anchor date	All domains
Record provenance	100% generated, 0% sampled	Every record is synthesized forward from population and event models, never copied or re-identified from a real individual's data	All domains

A comparison range. A disclosed boundary.

How to read a comparison band Conceptual guide · No measured values

- Source Read the cited country-specific reference.
- Comparison band Use the full published range.
- Generated result Check the actual outcome in domain certification.

Published

- Values & comparison bands
- Named references
- Disclosed source gaps

Controlled

- Calibration weights
- Generation formulas
- Internal thresholds

Source: values and ranges already cited inside each domain's own live certification detail text (see Certification). Exact calibration weights, generation formulas and internal thresholds are intentionally withheld.

Every band below is already cited inside the platform's own certification detail text - this page collects them in one place rather than leaving them scattered across individual check results.

Where an assumption differs by country, both bands are shown; where it's platform-wide, one row covers both cities.

Bands describe the plausible range a generated value is checked against, not a single fixed number - see the domain's own certification page for how close the actual generated distribution sits within its band.

Where FCTE cites a real external source (a national statistics office, a UN dataset, a published contribution-rate schedule), the generated data is checked against that source's own reported range for the relevant country - not against an internally invented target. Where no such source exists yet for a specific figure, that gap is listed here rather than backfilled with an unsourced number.

Keep the supporting record

Ask Fidelra for the report context, applicable release, source references and full supporting notes. Availability and rights for a paid data package are confirmed in the written quote.

Request full notes and supporting artifacts

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stripeddonkey.com

Original HTML source is attached for reference. Public data-quality datasets are also attached where applicable.

Source page: https://stripeddonkey.com/cities/nairobi/audits/assumptions-register

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