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NAIROBI CITY TWIN / SOCIAL PROTECTION

Social Protection

Domain Guide

Review programme, enrollment and support-delivery scope, with explicit boundaries around eligibility and outcomes.

City	Nairobi
Coverage	Published documentation
List price	Access and scope to be agreed
Guide edition	Striped Donkey V5.89 - 7 September 2026

Use this guide

Read the documented coverage and limitations alongside the published sample and release evidence. Model counts and sample distributions describe their stated source and period. The final accepted order specifies licensed scope, usage rights, duration and delivery.

Useful questions

- Review programmes and beneficiary context
- Inspect enrollment and delivery definitions
- Check eligibility and outcome limitations

Scope and limitations

The release contains analytical eligibility context, while synthetic beneficiary assignment follows a separate city-calibrated process. The public site does not publish the exact scoring or assignment method.

Nairobi Social Protection uses locally relevant programme context, while public-facing records may use generalized programme categories. Exact internal naming, mapping and assignment logic are intentionally not published.

Outcome labels in the social-protection layer are not presented as direct causal reflections of every household lifecycle event. Cross-domain causal linkage is only asserted where explicitly documented.

Vulnerability context is calibrated independently by city and should not be interpreted as a shared administrative score. Exact formulas, thresholds and distributions are controlled.

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01 How Social Protection fits the City Twin.

FCTE represents the social-protection lifecycle from programme context and beneficiary participation through enrolment, support delivery, vulnerability context, case activity and grievances. In Nairobi, beneficiary histories can be analysed alongside household context without exposing the physical identity model or assignment logic.

Eligibility and vulnerability signals can be inspected alongside household, employment, health and insurance context. The current release keeps eligibility analytics and synthetic beneficiary assignment as separate layers; exact scoring, weighting and assignment mechanics are controlled.

Nairobi City Twin™ · 1940-2026

02 Known and possible relationships.

Connections follow the published domain scope. Optional, contextual and planned relationships retain their stated limits below.

Domain or context	Relationship and published scope
Beneficiary context	household / citizen identity spine - Nairobi
Enrolment	beneficiary / programme context
Support delivery	enrolment context
Published scope	An analytical eligibility signal exists, but the public release does not claim it is the causal driver of beneficiary assignment. Employment context is analytically adjacent, but no public causal eligibility link is asserted. Household lifecycle events are analytically adjacent, but no public causal eligibility trigger is asserted. Programme funding context is descriptive; government budget execution is modeled separately.

Supporting links

Households

Demographics

Public Finance

03 The real cross-domain links are shared identity spines - not causal chains, yet.

Hover a connected domain to trace the public semantic path back to the root domain. Dashed relationships are contextual or explicitly disclosed boundaries rather than asserted internal dependencies.

□□ Public semantic relationship · □□ Contextual or disclosed boundary.

Cross-domain context can be inspected through shared synthetic identity and time. The public release distinguishes observable co-occurrence from causal mechanisms that are not currently asserted.

Household roles are updated consistently after a spouse's death so widowhood becomes a dated lifecycle state on the same synthetic citizen and household identity spine. Exact reassignment logic remains controlled.

The Social Protection release can represent widowhood-related beneficiary context for analysis. Exact categorical assignment rules and demographic weighting are controlled.

Household widowhood context and widowhood-related beneficiary context can coexist in the City Twin™, but the public release does not assert an automatic widowhood-to-benefit assignment mechanism.

The City Twin™ can show household lifecycle context beside social-protection participation without implying an unsupported causal arrow between them.

Employment context can be studied alongside Social Protection, but the public release does not assert a direct employment-loss → benefit-assignment mechanism. Employment →

Health context can be studied alongside Social Protection through the wider City Twin™ identity layer. The public release does not assert that a health event automatically changes beneficiary status. Health →

Insurance → and Social Protection do not currently share a queryable relationship.

Supporting links

Households

Demographics

Employment

Health

Education

Insurance

Employment →

Health →

04 Programme → beneficiary context → enrolment → support delivery - the public data model.

FCTE represents Nairobi social protection through programme categories, beneficiary context, enrolment, disbursement, vulnerability assessment, case-work activity and grievances. This public page shows semantic coverage and evidence boundaries; physical tables, dependency order, constraints and internal wiring are controlled.

Programme categories, funding context and benefit characteristics represented at analytical level.

Synthetic beneficiary context connected to the city identity spine. Physical identity keys and assignment rules are not published.

Longitudinal participation in one or more support programmes, with chronology and uniqueness governed by release integrity checks.

Longitudinal support-delivery records with city-appropriate payment-channel context. Exact cadence and generation logic are controlled.

Synthetic vulnerability context used for analysis. Exact scoring fields, coefficients, thresholds and probability rules are controlled.

Case-management and grievance activity represented longitudinally and geographically.

Synthetic by design: programme, beneficiary, enrolment, vulnerability and support-delivery records represent plausible analytical social-protection context. They are not live government case files, benefit decisions or records of identifiable people; exact eligibility scoring and assignment logic remain controlled.

Programme vocabulary is release-specific. Public examples use documented programme categories and local terminology; exact naming, assignment and funding-selection logic are intentionally generalized.

□□ Direct semantic relationship · □□ Contextual or disclosed boundary.

• Programme, beneficiary, enrolment and support-delivery context

• Vulnerability, case-work and grievance context

- Connected to the city identity spine at semantic level
- Live government policy administration is outside the synthetic release
- Government budget execution is modeled separately
- Formal insurance and claims administration remain separate concerns
- Eligibility and vulnerability signals are available for analytical comparison
- The public release does not claim those signals mechanically drive every beneficiary assignment
- Exact scoring, weighting and assignment rules are available only through controlled technical review

05 Vulnerability context → eligibility context → support → outcome - shown semantically, not as an engine recipe.

This public view shows the Nairobi support lifecycle at semantic level. Exact scoring, assignment, sequencing, target volumes and randomization are intentionally not published.

The Nairobi release implements social-protection participation through controlled synthetic generation. Exact dependency metadata, phase ordering, row targets, starting configurations and assignment logic are available only through controlled technical review.

06 Eligibility is represented as a calibrated analytical signal-not published as an engine recipe.

FCTE separates three concepts that are easy to conflate: household vulnerability context, programme-participation assignment, and analytical eligibility views. They can be studied together, but this public release does not claim that one published score mechanically drives every beneficiary record.

Household economic and vulnerability context can be evaluated alongside social-protection participation. Exact coefficients, probability bands, thresholds and scoring functions are controlled.

The synthetic release assigns participation using city-calibrated rules. Exact randomization, rule weights, tier thresholds and assignment logic are intentionally withheld.

Eligibility context and observed synthetic participation can be compared in the analytical layer without implying an unpublished causal mechanism.

Public assurance focuses on the resulting distribution, chronology, relationship integrity and disclosed model boundaries. deeper design detail is available through controlled technical review.

07 Programme context is city-specific; certification reports outcomes rather than the generation recipe.

The Nairobi release represents locally relevant programme categories and support pathways. Public certification reports release-level checks and outcomes; target row volumes, beneficiary weighting, demographic gating and assignment thresholds are controlled.

Calibration and certification confirm plausible beneficiary mix, chronology and support-delivery integrity for Nairobi. Exact weighting, thresholds, row targets and design history are intentionally generalized on the public site.

Calibration and certification confirm plausible beneficiary mix, chronology and support-delivery integrity for Nairobi. Exact weighting, thresholds, row targets and design history are intentionally generalized on the public site.

Nairobi certification outcomes are published at check level; internal population targets and run-level internal methods are available through controlled technical review.

08 Representative entities and evidence-not generation internals.

The public Social Protection model exposes a queryable semantic surface while keeping internal data structures details, target volumes, rule weights, starting configurations, bug-fix recipes and orchestration private.

Public entity family	Represents	Disclosure boundary
Programme context	Synthetic social-protection programme and policy context	Physical programme fields are controlled
Beneficiary & enrolment	Resident/household eligibility and enrolment context	Exact thresholds, weights and assignment logic are controlled
Support delivery	Disbursement and assistance context through time	Exact amounts, cadence and generation mechanics are controlled
Vulnerability & case context	Need, vulnerability and case-management context	Exact scoring formula and feature weights are controlled

09 Nairobi: a stub, honestly labelled as one.

The public site reports this boundary at capability level rather than publishing internal deferred-rule design notes.

internal methods, scoring bands and downstream wiring are intentionally controlled.

10 Social Protection model boundaries are disclosed.

The release contains analytical eligibility context, while synthetic beneficiary assignment follows a separate city-calibrated process. The public site does not publish the exact scoring or assignment method.

Nairobi Social Protection uses locally relevant programme context, while public-facing records may use generalized programme categories. Exact internal naming, mapping and assignment logic are intentionally not published.

Outcome labels in the social-protection layer are not presented as direct causal reflections of every household lifecycle event. Cross-domain causal linkage is only asserted where explicitly documented.

Vulnerability context is calibrated independently by city and should not be interpreted as a shared administrative score. Exact formulas, thresholds and distributions are controlled.

Certification outcomes and model boundaries are public. Internal generation mechanisms, orchestration, starting configurations, thresholds and run-level population targets are intentionally not published.

11 From a household's vulnerability score to a real benefit - and where the wider city stops joining in.

A real Beneficiary row, enrolled in FOOD-ASSISTANCE Programme 0007.

KES 2,100.07 (2022-08-25, Paid), KES 1,949.07 (2024-09-25, Pending), KES 2,217.40 (2025-05-25, Paid) - real Disbursement rows on this beneficiary.

Household lifecycle and social-protection context can be analysed together, but the public release does not claim an automatic causal assignment between them.

FCTE keeps social-protection participation connected to the wider synthetic city context while distinguishing correlation from causation. Employment, Health and Insurance can provide adjacent analytical context where supported, but the public release does not claim unsupported automatic benefit triggers between domains.

Available as Standalone Domain · Multi-Domain Bundle · Full City Twin™

Compare with Water → and Energy → - two other domains where the public site distinguishes certified capability from deeper cross-domain design.

Supporting links

See Household →

See Employment →

Review licensing & delivery details →

Get This Domain →

Browse Social Protection Data →

Water →

Energy →