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NAIROBI CITY TWIN / CIVIL REGISTRATION

Civil Registration

Domain Guide

Review how births, deaths and other civic events become administrative records, and where event and registration dates differ.

City	Nairobi
Coverage	Published documentation
List price	Access and scope to be agreed
Guide edition	Publication revision 10 September 2026; evidence dates retained

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 the types of civic events represented
- Check identity and registration timing
- Understand administrative coverage limits

Scope and limitations

Marriage, Divorce, Widowhood and Remarriage change a citizen's household role with a real date, but no independent MarriageRegistration/DivorceRegistration table, certificate number, or completeness/lag model exists. This page will not claim one exists until it does.

NationalId is intentionally age-gated, so citizens without an ID are concentrated among younger ages. A NULL NationalId should therefore be read as an expected lifecycle state for many children, not as a registration failure.

Completeness is scaled by each ward's current informal-sector rate, not independently re-derived for each historical era on top of the citizen-generation history's own timeline. A citizen born in 1950 and one born in 2020 in the same ward share the same completeness formula today.

Synthetic registration records are data fields - a flag, a number, a date - not simulated birth certificates, death certificates, ID cards or any other legal document or credential.

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01 How Civil Registration fits the City Twin.

FCTE ties the registration of vital and civil-status events - births, deaths and national identity - to the same synthetic citizen used across the City Twin™. This isn't a separate registry of imaginary documents. It's the administrative trail that already lives inside Demographics and Households: who was registered, when, and how completely.

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
Citizen	the persistent synthetic identity every registration field attaches to
Birth	BirthDate, IsRegistered, RegistrationNumber, and a registration timestamp with its own progressive lag
Death	the same registration shape as Birth, bounded by the citizen's own lifespan
HouseholdMember	Marriage/Divorce/Widowhood/Remarriage change a citizen's household role and are dated, real lifecycle transitions
No separate marriage- or divorce-registration record family is published	a marriage or divorce changes household role, not an independent civil-registration record

Supporting links

Demographics

Households

Social Protection

03 What Civil Registration actually models - and where it stops.

Civil Registration is presented as an administrative lifecycle layer connected to Demographics birth and death context and inside the Citizen identity record - surfaced here as its own domain because it answers a different question than either of those tables was built to answer on its own.

Every birth carries an IsRegistered flag and, when registered, a certificate-style number in the shape BR/000012345/NAI - generated alongside the birth, not bolted on afterward.

The same pattern applies to deaths - an IsRegistered flag and a DR/000012345/NAI-style number, so a death can be a real demographic event without necessarily being a registered civic one.

A NationalId and RegistrationDate represent when an eligible synthetic citizen enters the civic-identity record. Issuance is age-gated, and uniqueness is checked at release level.

Registration is not all-or-nothing. Coverage is ward-scaled, inversely tied to how informal a ward's economy is - matching the real pattern that informal, high-density areas register vital events less completely, not more.

The gap between an event happening and it being registered shrinks across seven historical eras - from a decade-scale lag before 1940 to a 60-day lag from 2010 onward, tracking the real shift from paper-based to digital administration.

Marriage and divorce change a citizen's household role and are dated events, but they carry no dedicated registration flag, certificate number, or completeness/lag model. This page does not claim otherwise.

Synthetic by design: FCTE civil-registration fields are analytically representative administrative data. They are not real birth certificates, death certificates, national ID numbers or marriage/divorce records, and no generated record should be read as evidence that a corresponding real event occurred.

Demographics models the underlying population event. Civil Registration models its administrative representation - whether that event left a formal civic record, and how long that took.

Domain	Core Question	Key Objects
Demographics	Who exists, and how does the population change?	Citizen, Birth, Death, Migration, PopulationSnapshot
Households	How do citizens form and change family/household relationships?	Household, HouseholdMember (Marriage, Divorce, Widowhood, Remarriage)
Civil Registration	Was this event formally recorded, and how completely, and how late?	Birth/RegistrationNumber, Death/RegistrationNumber, Citizen/RegistrationDate

Supporting links

Demographics

Households

04 A life event becomes a civic record.

One synthetic citizen, one identity, several life events - each one leaving its own administrative trace.

The registration timestamp itself carries a real, progressive lag from BirthDate - long for citizens born before 1940, short for those born after 2010 - rather than always landing on the same day.

Certification requires DeathDate to fall strictly after the citizen's own date of birth and never in the future - a real, checked invariant, not an assumption.

05 Not every event is recorded the same way, or the same day.

Two distinct behaviors are genuinely modeled here - completeness (was it ever registered?) and timing (how long after the event?). Both vary; neither is a flat assumption.

The same seven-era lag ceiling applies to both Birth and Death registration timing - a real, symmetric design choice, not two independently tuned numbers.

Registration completeness: a 70% base rate, scaled by each ward's informal-sector share and clamped between 40% and 95% - so a ward with a larger informal economy shows measurably lower registration completeness, not higher. A 2026-07-15 fix corrected an inverted version of this formula that had briefly shown the opposite (informal wards appearing better-registered than formal ones).

Registration completeness for Marriage/Divorce: PLANNED, not implemented. No completeness or lag model exists for these events today - this page will not show one until it's real.

Kenya's citizen-generation history weights the 1963-1970 window as a registration-volume surge, explicitly citing independence and the real Kenya ID Act of 1967 as the modeled driver - not an unlabeled bump in the data.

Nairobi's registration history is modeled from its own historical event sequence rather than a generic shared timeline.

Registration completeness is ward-scaled today, not yet re-derived by decade on top of the historical citizen-generation eras above - a real distinction this page keeps separate rather than blurring together.

Open Civil Registration Evidence Catalogue →

Era (by event year)	Registration Lag Ceiling	Administrative Character
Before 1940	Up to 10 years	Earliest, least formalized period modeled
1940 - 1963	Up to 7 years	Late colonial administration
1963 - 1970	Up to 6 years	Independence-era transition
1970 - 1985	Up to 3 years	Post-independence institution-building
1985 - 2000	Up to 1 year	Paper-based, still slow
2000 - 2010	Up to 6 months	Transitional, pre-digital-rollout
2010 onward	Up to 60 days	Digital-era registration

Supporting links

Open Civil Registration Evidence Catalogue →

06 From a life event to a civic record.

Representative synthetic Nairobi release rows shown at the public semantic level. Physical source identifiers and extraction paths are controlled.

Explore Civil Registration Data →

Public entity family	Represents	Disclosure boundary
Resident identity	Canonical synthetic resident and jurisdiction context	Physical identity keys are controlled
Birth events	Synthetic birth and parent/household context	Field-level lineage and generation mechanics are controlled
Death events	Synthetic mortality and lifecycle timing context	Exact rate parameters and physical fields are controlled
Lifecycle links	Household and demographic continuity through time	Complete relationship graph is controlled

Resident ID	Identity Registered	Birth Registered	Birth Cert. No.	Death Registered
1 (NRB)	Yes - 2008-09-24	Yes	BR/000000001/NAI	No (living)
2 (NRB)	Yes - 2008-09-24	No	-	No (living)

Resident ID	Identity Registered	Birth Registered	Birth Cert. No.	Death Registered
4999230 (NRB)	Yes - 2026-07-02	Yes	BR/004999230/NAI	Yes (DR/004999230/NAI)

Supporting links

Explore Civil Registration Data →

07 Does the synthetic registry resemble a real administrative system?

Civil Registration has no dedicated certification battery of its own - its claims are certified by the same demographics checks that already validate Citizen, Birth, Death and household-lifecycle chronology, because those are the tables every registration field actually lives on.

Open Civil Registration Realism Report →

Civil Registration shares the Demographics review: 21 structural checks and 8 realism checks. Published Nairobi results from 2026-08-06 report all 21 structural checks as PASS or N/A (0 FAIL), and 8/8 realism checks passed (0 WARN).

Explore Every Demographics Check →

• certification check resident date of birth not in the future

• certification check civil-registration date not before DOB

• certification check No duplicate NationalId values - 0 duplicates Nairobi, re-verified 2026-08-06

• certification check birth date matches the citizen's own DOB

• certification check death date falls after the citizen's own DOB

• certification check death date not in the future

• certification check Every living citizen has exactly one current household role

• certification check At most one current Spouse per household; role dates are internally consistent

• certification check A dissolved household has no current members, and vice versa

• certification check A citizen's household transitions never overlap - a real live-caught defect (Remarriage computed before its own Divorce) that this check now guards against

• certification check A household join date never precedes the member's own birth

Supporting links

Open Civil Registration Realism Report →

Explore Every Demographics Check →

08 Administrative records are not perfect mirrors of population events.

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Completeness is scaled by each ward's current informal-sector rate, not independently re-derived for each historical era on top of the citizen-generation history's own timeline. A citizen born in 1950 and one born in 2020 in the same ward share the same completeness formula today.

Synthetic registration records are data fields - a flag, a number, a date - not simulated birth certificates, death certificates, ID cards or any other legal document or credential.

No generated registration record should be interpreted as evidence that a corresponding real birth, death, marriage or divorce occurred to any real person.

Birth and death registration are represented at event level, but the model does not retain a persistent field identifying the exact registration office or channel that handled each event. Office-level administrative routing is therefore outside the current release boundary.

View All Civil Registration Limitations →

Supporting links

View All Civil Registration Limitations →

09 One life. One identity. Many civic events.

A real, registered Birth row - registration number BR/000000005/NAI.

A real NationalId on the same citizen, issued after their registered birth.

A real, registered Death row - registration number DR/000000005/NAI, closing this citizen's civic history at age 28.

Both registration numbers are real and currently live - the full civic-identity lifecycle this domain exists to track.

A life event becomes a civic record. One Resident ID. Multiple life events. Multiple civic records - where the model actually supports them.

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

Supporting links

Explore This Record →

View the analysis example →

See the Evidence →

Review licensing & delivery details →

Get This Domain →

Browse Civil Registration Data →

Explore Multi-Domain Access →