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# Cognitive Change cohort insights

SYNTHETIC TEST | Invented records and simulated scores

Historical reference date: 2024-03-01

Retrospective persistent cognitive-assessment transition analytics

## Your cohort at a glance

**Mean model estimate**

**0.27%**

Among 50 scored residents

**Residents scored**

**50 / 50**

100.0% of submitted residents

### What this number means

The average model-estimated probability of the recorded persistent cognitive-assessment transition among scored residents. The recorded transition is a completed pre-reference assessment, then an assessment within 90 days that was clinically not attempted, confirmed at the next applicable assessment. It describes the scored cohort. It is not an observed rate, an individual care recommendation, or every form of cognitive change.

### Who is represented

| Cohort flow | Residents |
|---|---|
| Submitted | 50 |
| Excluded by overlap safeguard | 0 |
| Retained for eligibility assessment | 50 |
| Ineligible retained residents | 0 |
| Scored and included in the mean | 50 |

Scored/submitted share describes cohort inclusion, not source completeness. The saved report does not include a score distribution or domain-level input coverage. No values have been reconstructed.

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# Methods and traceability

| Report identity | Value |
|---|---|
| Product | Gia Cognitive Change Analytics |
| Model | run2ft7cw-cog-transition-persistent-cohort-v1 |
| Endpoint | Recorded persistent cognitive-assessment transition. The event window is 90 days. Confirmation is the next applicable assessment. |
| Report contract | cog-transition-aggregate-v1 |
| Product version | 0.1.0 |
| Historical reference | 2024-03-01 |
| Source coverage | unverified |
| Development overlap | overlap_unknown |

## Reading the results

Retrospective analysis for organizational and payer users. No individual care recommendation is made.

The recorded outcome is a persistent cognitive-assessment transition: the last pre-anchor Section C assessment was completed, an assessment within 90 days was clinically not attempted, and the next applicable assessment remained in that state.

That recorded transition is not every form of cognitive change, and it is not a Cognitive Function Scale decline or a dementia endpoint.

The confirming assessment is the next applicable one. It is not bounded by the 90-day event window.

A resident whose last pre-anchor assessment was not a completed interview is not given this estimate.

In development, a transition without a confirming assessment was not counted as an event. This report does not assess that follow-up on the submitted cohort.

Interview routing at a facility can change this recorded transition. It is not an instrument-independent measure of cognitive change.

The cohort mean is a model output, not an observed rate, a customer calibration, or a prevention benefit.

Development evidence for this head is not restated as this cohort's result. Customer-population validity and source coverage are unverified.

Uncertainty intervals are not computed.

Reports remain controlled data. Aggregation and small-cohort suppression do not prove de-identification.

# Report provenance

These identifiers come from the validated saved aggregate. Report display does not rerun the model or consume another analysis.

| Saved field | Value |
|---|---|
| Original report SHA-256 | 9660946dcfe391db1804bb9de76bd5c8648f540500850015835a6bd0755d59f3 |
| Catalog version | 3 |
| Catalog SHA-256 | 6b0ca51cc402dd0f66916adee205164328bed71e30e633b538a413a80bd56e55 |
| model | run2ft7cw |
| inference path | torch2.14_cuda_bf16_backbone_fp32_head_canonical1 |
| engine source sha256 | 5288d9db23804e7ac56a28f4d750096755b1f9f1c37131af8439b15e8a2dcd25 |
| tokeniser source sha256 | fe98883873284c10ea357a2aef4fc8a407856f97ffc01eaa593035f6e8bb60e6 |
| product source sha256 | 306551ddf1c89d42588887d0a4c15228b2552d759fe4417b3066d4925702a8f3 |
| vocab SHA-256 | e002a70e9f1380464d0f57a06e91710e2ee08c53b873a03ab31737678e9a0ee2 |
| maps SHA-256 | 430a5849c63fd145b50a9483710cff8e037f8da2fbfd40ca1d25cef6c5076ba1 |
| head SHA-256 | e4d8c4973adde81fa5a04b61f460ddef845436d7cab0653375bf87573e4b0caf |
| backbone SHA-256 | 114cb71171540ed6a271d1c758690573acd7727b4bf32aafc9ecb4c8cd6bbc5b |

Runtime and full canonical result remain available through the original JSON report. This presentation adds no customer-population performance estimate, score distribution or uncertainty interval.