



Clinician reviewing patient data



SAMPLE

DATA READINESS ASSESSMENT

Data readiness assessment: sample report

An extract from a Data Readiness Assessment report for a US regional health system. Assessments in other industries follow the same format.

14	6	3.1 / 5	12 wk
Systems scanned	Data areas scored	Overall readiness ¹	To close priority gaps

Prepared for	CIO, chief data officer and revenue cycle leadership, US regional health system
Prepared by	Parkar healthcare practice
Assessment	Three weeks, September 2026
Version	1.0, sample extract (8 of 28 pages)
Classification	Confidential

¹ Average of six data areas, each scored 1 to 5 on completeness, accuracy, consistency, timeliness and ownership. Profiling ran inside the health system's own cloud environment. No patient data left it. See page 5.

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The full report runs to 28 pages

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ABOUT THIS DOCUMENT

Who it is for

The CIO, the chief data officer, and the owners of patient, provider, clinical and revenue cycle data.

How it was produced

Automated Data Discovery scanned 14 systems and profiled 2,340 tables inside the health system's own cloud, under a business associate agreement. Parkar data engineers reviewed the results in eight working sessions with clinical, revenue cycle and IT teams.

How to read this sample

This sample uses a health system. Assessments in other industries have the same sections: systems scanned, readiness by data area, quality findings, target platform and plan. Only the systems and data areas differ.

01 EXECUTIVE SUMMARY

Claim denial prevention can start now

Encounter and claims data are ready for AI use. Patient, provider and workforce data need cleaning before referral intake and Patient 360 can go live.

- 1 Start claim denial prevention on today's data.** Encounter and claims data score 3.8 and are ready for the revenue cycle use case.
- 2 Match patient records across the two EHRs and home health.** 4.8% of patient records are duplicates. Patient and Provider Matching resolves them in about six weeks.
- 3 Create one provider directory.** Provider details differ between the EHR, credentialing and payer directories for 22% of providers.
- 4 Name an owner for each data area.** Patient identity and provider data have no named owner today, so past fixes have not lasted.
- 5 Build data products on the existing lakehouse pilot, with PHI controls.** Patients, encounters, providers, claims and referrals, each with access controls, quality checks and an owner.

OVERALL READINESS

3.1 out of 5

Average across six data areas¹

Encounter		3.8
Claims		3.8
Clinical		3.2
Patient		3.0
Workforce		2.6
Provider		2.4

1 of 3

First AI use cases ready now, two more by week 7

12 weeks

To close the priority gaps

¹ Each area scored 1 to 5 on five criteria in working sessions with the client's data owners, using profiling results from Automated Data Discovery.

03 SYSTEMS SCANNED

The 14 systems we scanned

Automated Data Discovery scanned each system, profiled 2,340 tables and mapped how data moves between them. Four source systems already feed the central platforms, five feed them in part or by hand, and three are not connected.

SOURCE SYSTEMS (12)

EHR, main instance Patients, encounters, orders, notes	EHR, acquired hospitals Patients, encounters
Home health system Visits, care plans	Revenue cycle and billing Charges, claims, payments
Claims clearinghouse Claim status, denials	Scheduling and patient access Appointments, waitlists
Lab system Results, specimens	Credentialing Provider licences, privileges
Referral fax and e-fax Incoming referrals	Payer contracts Rates, rules
Workforce and timekeeping Staffing, hours	Call center Patient calls, outcomes

● Connected to a central platform
 ● Partly connected or loaded by hand
 ● Not connected

CENTRAL PLATFORMS (2)

Enterprise data warehouse Quality, finance and operational reporting. 11 years of history.
Cloud lakehouse, pilot Encounters and claims loaded. Started in 2026.

Both run in the health system's own cloud. The target design on page 7 builds on the lakehouse pilot.

USED TODAY BY

Quality and regulatory reporting
 Revenue cycle dashboards
 Capacity and bed management
 Population health reviews

04 READINESS SCORE BY AREA

Readiness by data area

Data area	Completeness	Accuracy	Consistency	Timeliness	Ownership	Score
Encounter	4	4	4	4	3	3.8
Claims	4	4	3	4	4	3.8
Clinical	4	3	3	3	3	3.2
Patient	3	3	2	4	3	3.0
Workforce	3	3	2	3	2	2.6
Provider	3	2	2	3	2	2.4

Score 1      5

Scores from 1 (not usable) to 5 (ready for AI with no further work). Ownership scores reflect whether a named business owner, quality rules and PHI access rules exist.

Effect on the planned AI use cases

A use case can start when every data area it needs is ready.

Use case	Depends on	Status
Claim denial prevention	Claims, Encounter, Patient	● Ready. Patient matching improves results during the build.
Referral intake	Patient, Provider, Clinical	● Start after provider directory clean-up, about week 7.
Patient 360 for care teams	Patient, Encounter, Clinical	● Start after patient matching, about week 7.
Workforce and labor analytics	Workforce	● Not ready. Department codes need standardizing first.

05 DATA QUALITY FINDINGS

Top six data quality findings

Ranked by effect on the planned AI use cases. The full report lists 41 findings with the quality rule behind each.

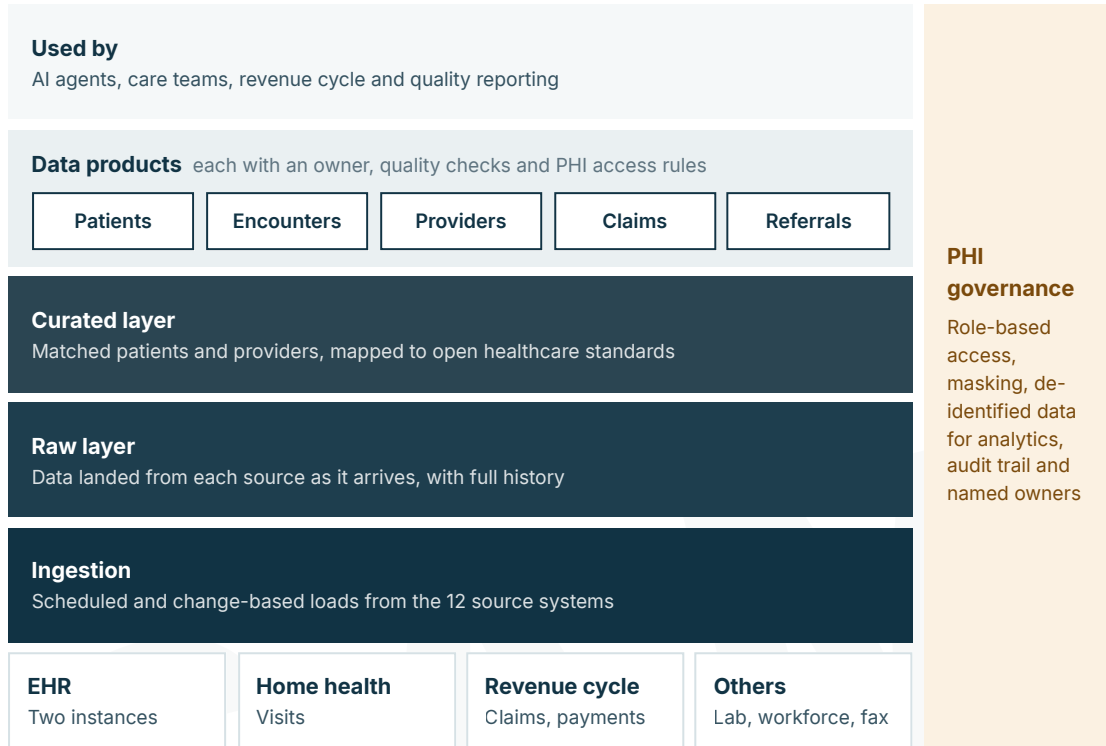
Finding	Area	Records affected ²	Effect	Fix effort
● Duplicate patient records across the two EHRs and home health	Patient	91,000 of 1.9M (4.8%)	Blocks Patient 360, slows patient access	6 weeks
● Provider details differ between EHR, credentialing and payer directories	Provider	750 of 3,400 providers (22%)	Referrals routed wrongly, avoidable denials	4 weeks
● Department codes differ across hospitals in timekeeping	Workforce	5 code sets, 380 departments	Prevents workforce and labor analytics	8 weeks
● Payer and plan codes mapped differently in billing and the clearinghouse	Claims	140 payer codes, 3 schemes	Denial trends hard to compare	3 weeks
● Referrals arrive as faxed or scanned documents	Clinical	About 60% of 5,200 a month	Slows referral intake today	Handled by the agent
● No named owner for patient identity and provider data	Patient, Provider	Two data areas	Issues recur after each clean-up	2 weeks

● Blocks a planned use case ● Reduces accuracy or adds manual work ● Handled within a planned use case

² From profiling run on 9 September 2026 inside the health system's cloud. Patient duplicates matched on name, date of birth, address and identifiers, with results reviewed by health information management.

09 TARGET PLATFORM DESIGN

Target platform: a governed data foundation in the health system's cloud



Design choices

Use the existing lakehouse

Extend the lakehouse pilot in the health system's own cloud. The data warehouse keeps running for quality reporting until its reports move across.

Match patient and provider records

Patient and Provider Matching links records across both EHRs and home health, with uncertain matches reviewed by health information management.

Map to open healthcare standards

Data Mapping Automation maps each source to open healthcare standards, so new systems can be added with less mapping work.

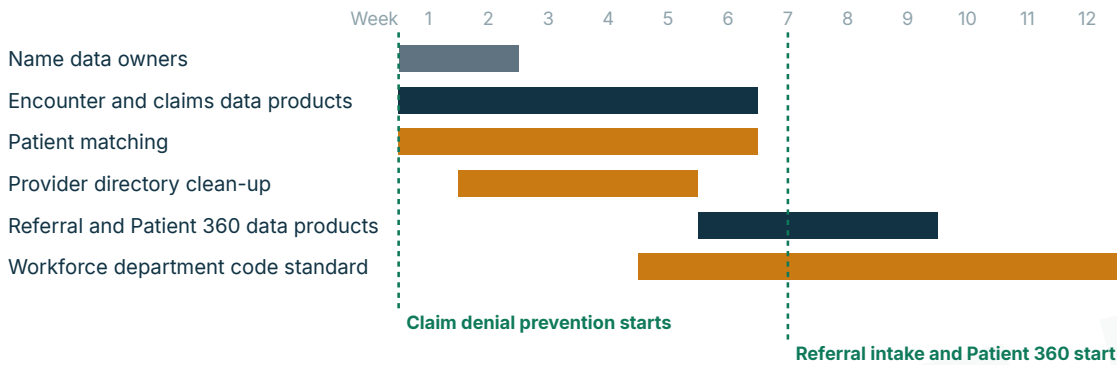
Apply PHI controls before use

PHI Governance applies access rules, masking and audit trails before any agent or analyst uses the data.

11 PLAN TO CLOSE THE GAPS

A 12-week plan to close the gaps

The data work and the first agents run in parallel. Green lines mark when each first-wave use case can start.



13 NEXT STEPS

Week 1	Confirm data owners. One business owner each for patient identity, provider, clinical and revenue cycle data.
Weeks 1 to 2	Agree the plan. Confirm the clean-up scope and the order of the data products.
From week 1	Start the work. Parkar data engineers start the data products alongside the first AI build, under the existing business associate agreement.
Prepared by	Parkar healthcare practice
Reviewed by	Engagement lead and client chief data officer

ABOUT PARKAR

Parkar is a data and AI transformation company. Since 2015, we have helped healthcare, manufacturing and financial services companies build their data foundation and use AI in their operations. Our practice leaders bring 25 to 30 years of industry experience.

2015

Founded

400

Engineers

4

Offices

SOC 2, ISO 27001

Certified

Book a Data Readiness Assessment

Want to discuss your use cases? [Book a meeting](#)

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