

Session Number 7

Using Data Analytics to increase your audit coverage

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Agenda

- **Where to start with Data Analytics**
- **Embedding Data Analytics into your audit program to drive an efficient audit methodology**
- **Mapping your internal audit process to integrate with organisational technology enablers and systems**
- **Critical elements in getting Data Analytics right – Outcomes, design and configuration**
- **Realising the practical benefits of Data Analytics in your planning, engagement and fieldwork**

Key Success Factors



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- Access to the Data
- Quality of Data
- Start planning for Analytics early
- Tools and knowledge how to use them
- Have support when you need it

Key Success Factors



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Preplanning

Planning

Fieldwork

Reporting

“It’s too early to start
little about the scope
audited but not
let alone the
Analytics”

“Still too early to
need to start with
key stakeholders
first”

“Planning is not
engagement
Analytics”

“We have data
Data Analytics
makes sense”

“Final data
data makes sense”

“Analytics – so
it overruns
sample”

“Our Analytics
indicated issues –
are they real ones or
false-positives? Who
will check it?”

Inefficient
Causing
overruns
Limited value

Key Success Factors



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Preplanning

Planning

Fieldwork

Reporting

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“Our Analytics
indicated issues –
are they real ones or
false positives?
Let’s check it!”

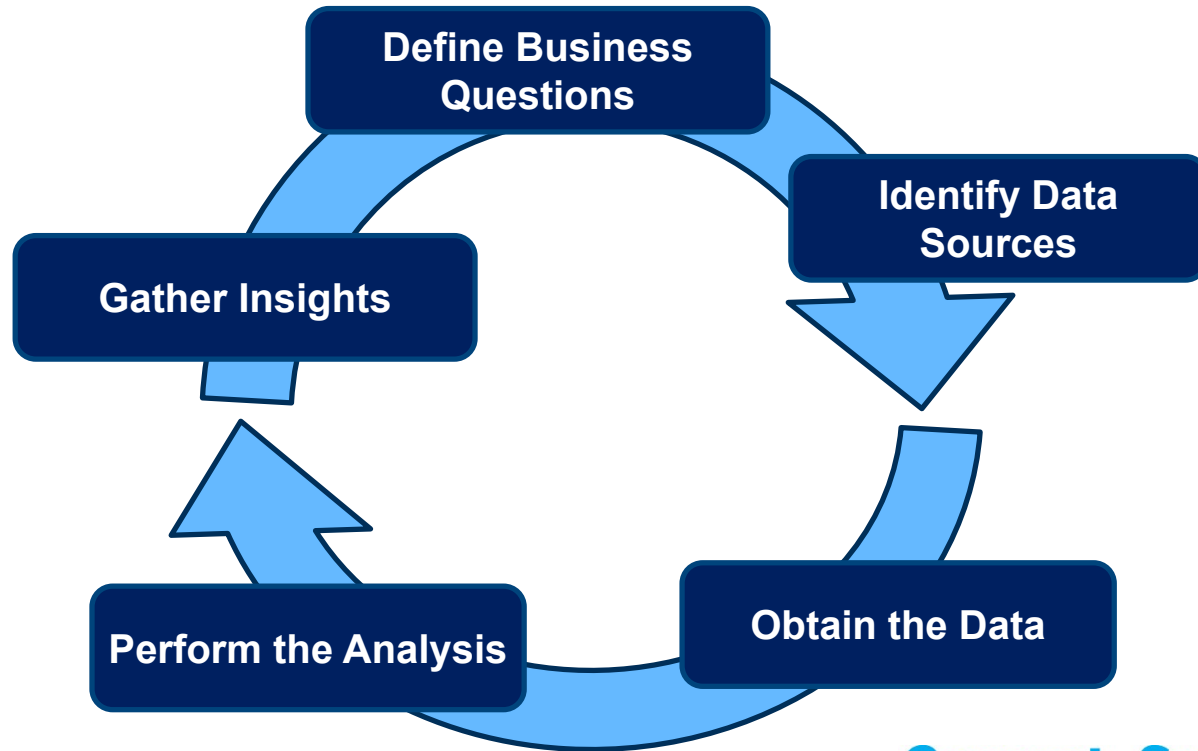
“Analytics were
insightful – let’s
embed them into our
report.”

Efficient
Time-saving
Insightful

Analytics Life Cycle



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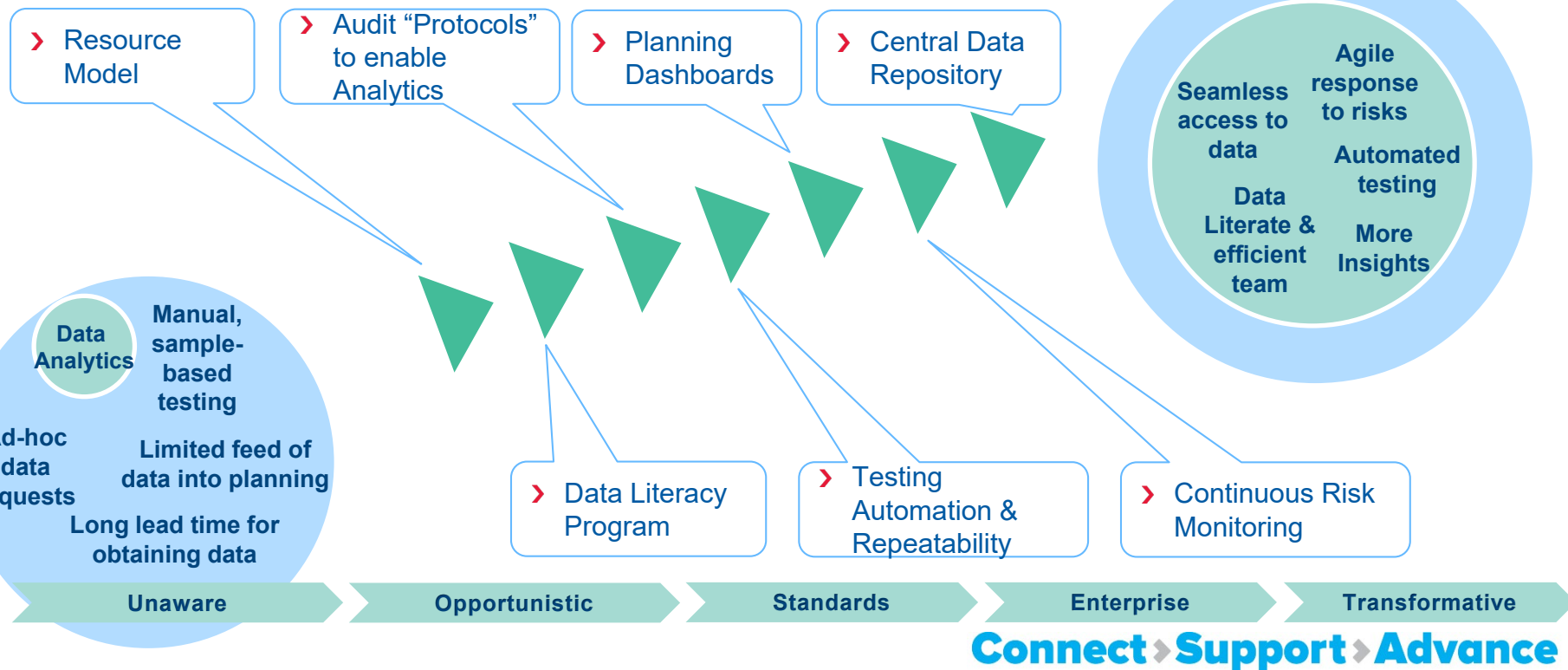


Connect › Support › Advance

The Big Picture



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The Framework



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People & Culture

Resourcing

Resource model (in house champions, external experts)

Training

Data Literacy Program for all staff and education for dedicated staff

Culture

Change the mindsets for data-driven, share success stories, measure success

Technology & Tools

Infrastructure

Connect to data sources, facilitate fast access to business data

Tools

Tools and Technology for the Auditors to enable effective Analytics

Repeatability

Reduce the manual burden in gathering data, analyzing data and audit testing

Execution

Audits

Facilitate planning, execution and reporting of audits in the annual plan

Initiatives

Plan, launch and constantly manage the initiatives designed in the Strategy

Pilots / POC's

Pilot new technologies (data prep, visualizations in reporting, process mining)

Analytic Scenarios



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Physicians

- + Determine physician contract compliance.
- + Evaluate physician practice history by patient type, payer, etc.
- + Report on incomplete physician profiling information.
- + Test physicians for current accreditation.
- + Selectively audit new physicians for reporting compliance.

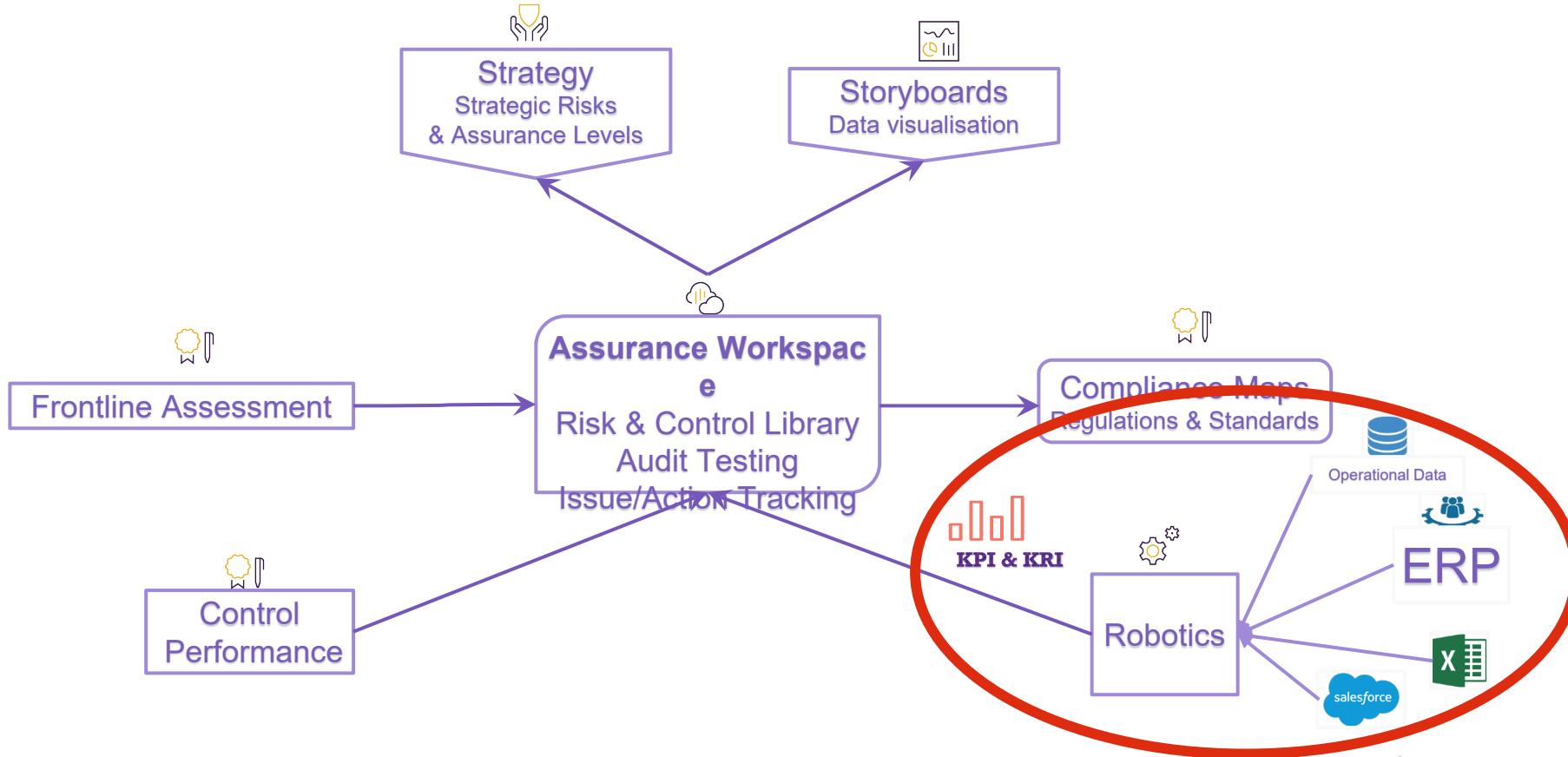
Medical claims

- + Analyze timeliness of claims payments by comparing claim date, date claim received, and date claim paid.
- + Highlight indicators of fraudulent claims practices.

Compliance

- + Identify single-day stays and subsequent re-admissions.
- + Identify inappropriate unbundling of lab tests.
- + Identify frequent use of high-risk organizations.
- + Identify upcoding.
- + Match OIG-excluded providers list with vendor or employee master files.
- + Analyze patient data access logs to identify possible HIPAA risks/violations.

HighBond





UnitingCare



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One of Australia's largest non-profit health, aged care, disability, and community service providers with over 460 locations

Assurance Team Implemented an enterprise-grade software system to:

- Consolidate risk and assurance related data together so they could increase efficiency and leverage insights from Internal Audit
- Support Management to deliver targeted risk and assurance assessments in real-time
- Identify \$1.1 million in duplicate payments to date
- Instant FTE saving, and reduce the audit cycle down from quarterly to monthly—or daily if needed.
- Increase the self sufficient continuous controlled monitoring program annually and the normal traditional audit program is decreasing

“We don’t hold anyone up, we provide the insights that they need to see, and we can do that in a quick and easy way”