

Introduction to Power Query

Big Conversation
Wednesday 5th March 2025

Welcome and introductions

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Agenda

- What Power Query is and how it can help
- Where it can be found in Microsoft's applications
- Power Query's key features
- Some key principles of using Power Query
- Demonstration of Power Query in action with examples that should be relevant to hospice data teams
- Some areas and ideas colleagues may want to investigate further

What is Power Query?

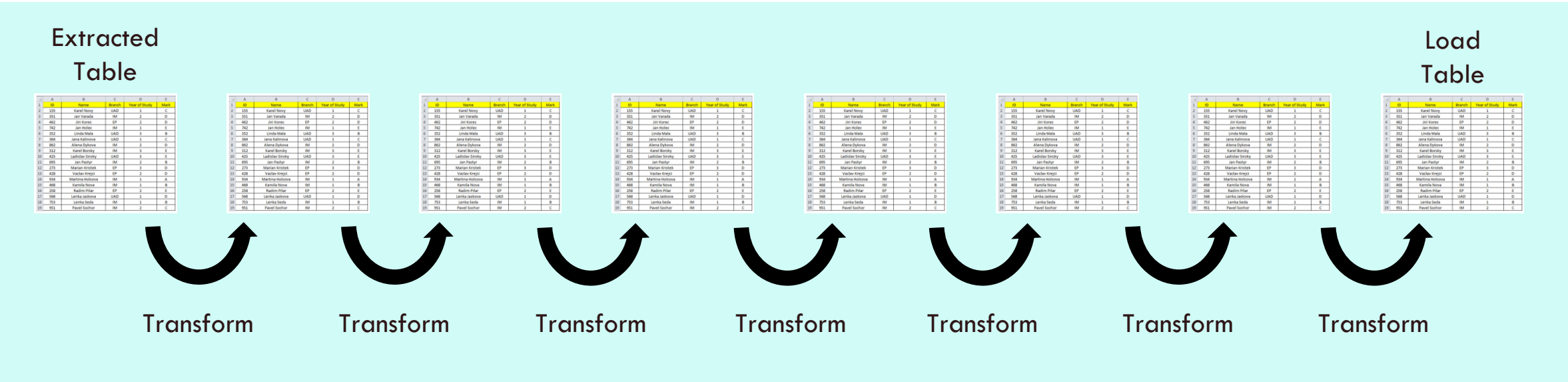


**Engineer
out human
intervention**

**Remove sensitive
data**

What does Power Query do?

Power Query transforms an initial data table (or set of tables) into a final table by stepping through a line of intermediate tables applying *functions* to the columns in the current table



Where can we find Power Query?



Excel



Power BI
Desktop



Dataflows
Power BI
Service

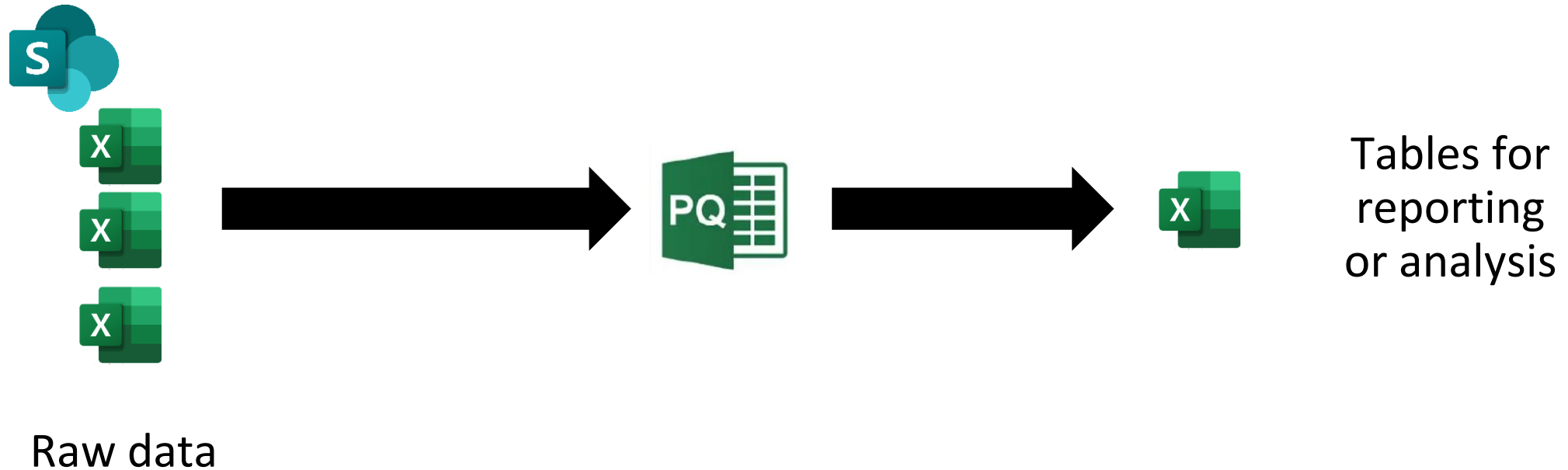


Dataflows
Power Apps

Resources

- Excel Guru: <https://excelguru.ca/>
- CrossJoin: <https://blog.crossjoin.co.uk/>
- Microsoft Learning: <https://learn.microsoft.com/en-us/power-query/>
- Hospice Data Analysts
- Hospice Technology Network

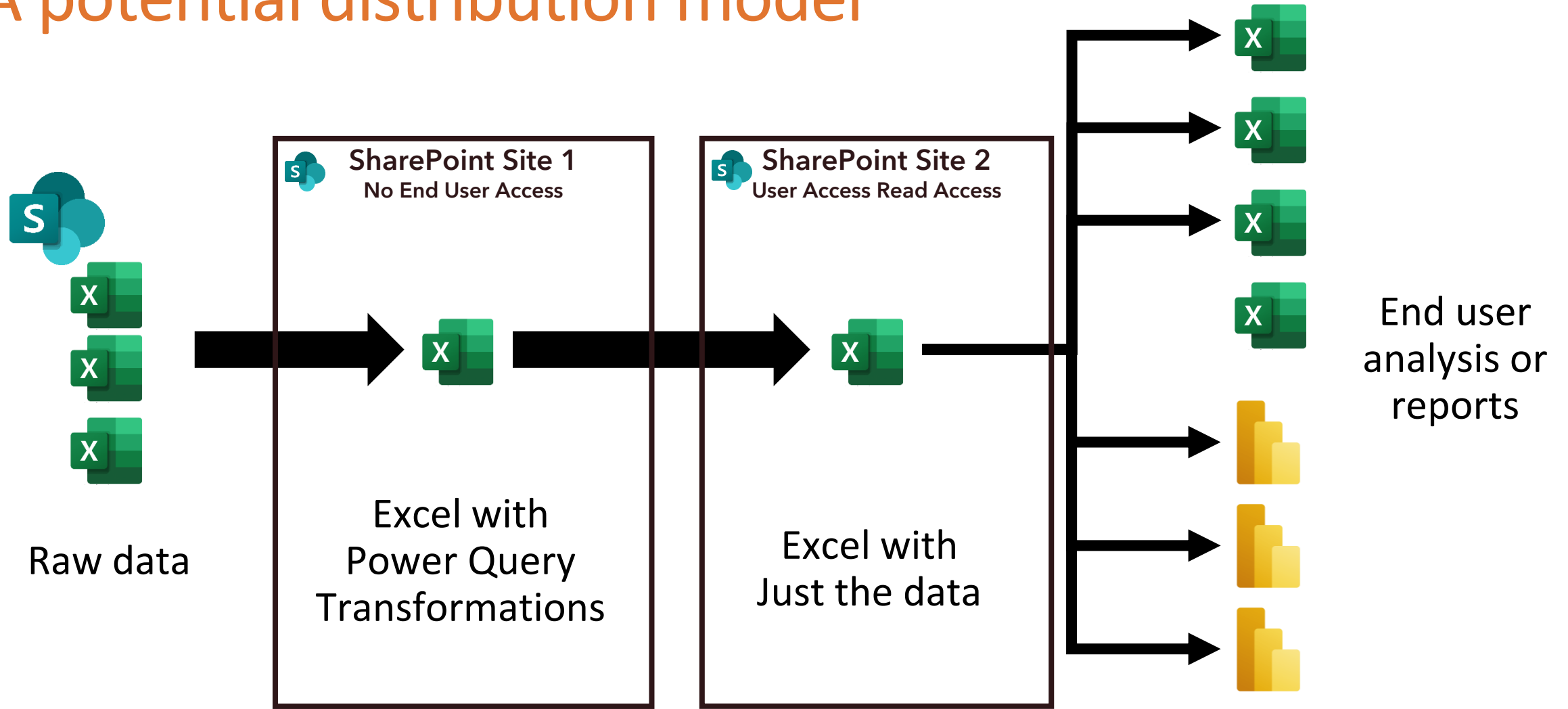
What we're going to do



Some of the things we'll look at

- Calculate report date
- Patient numbers
- Length of stay
- Age profile (on admission)
- Phase of illness
- Demographic profile
- Location
- Add column
- Date calculation
- Conditional formulas
- Merge/Group
- Duplicate/Reference
- Removing data we don't want (or don't want users to see)

A potential distribution model



When should I use PQ rather than DAX or SQL?

- It depends.
- Most problems can be solved by SQL or PQ or DAX or multiple other ETL tools
- But they have different strengths (and weaknesses)

Keeping things **simple** and **consistent** helps you
(and anyone who has to pick up your work)
understand how the ETL process works for any given model

Questions?

Q&A

Feedback Survey

Power Query - Big Conversation
Workshop 5th March



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<https://forms.office.com/e/3fkkSCF3je>

Big Conversation

The Big Conversation series comprises webinars, workshops, and roundtables that enable our members to:

- learn more about key issues
- share knowledge and experience to inform our work
- discuss problems and solutions with peers
- get practical guidance to move work forward

We invite you to continue engaging with us in the months ahead, as we explore a range of important topics.

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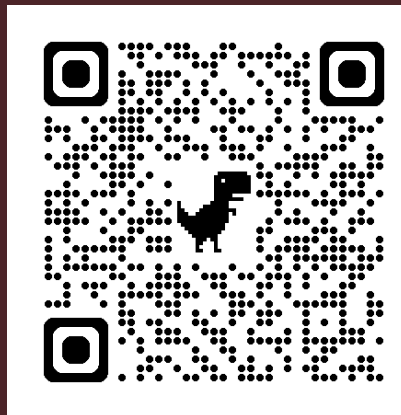
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Scan Me



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