

## CHeReL Update

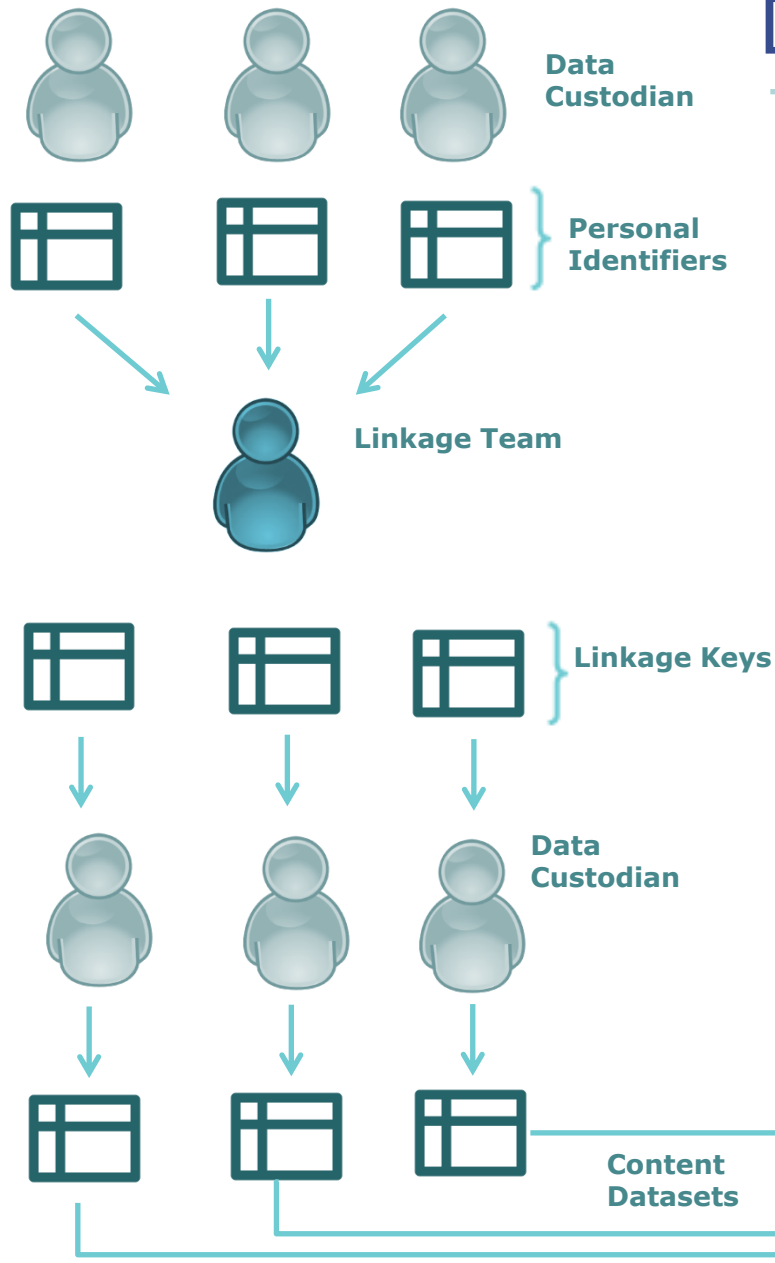
Katie Irvine

November 2017

# DATA INTEGRATION UNIT



# Distributed Data model

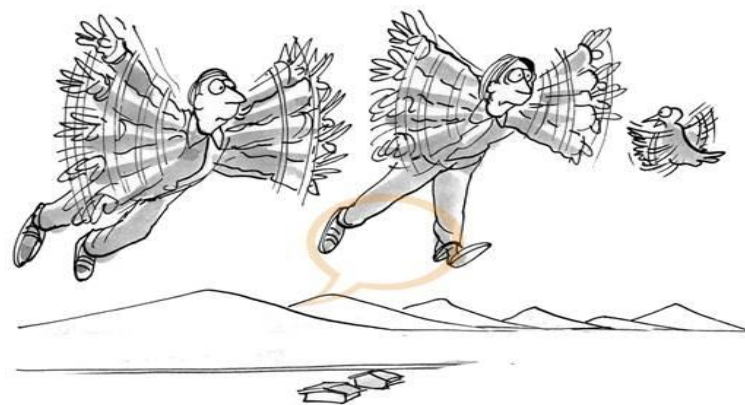


- Handling of personal identifiers within the data linkage unit
- Handling of content data by data custodians
- Data integration by researchers

# Rationale for Change

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- The distributed data linkage model does not meet the Australian government principles for safe and effective data integration
- Western Australian Data Linkage Branch Reforms
- Comparison of Delivery times for the Distributed model against the WA – Custodian Administered Research Extract Server (CARES) system
- Dedicated and centralised delivery capacity
- Minimise delivery times; Demands for delivery dates to be less variable and more predictable.



“Welcome to Change Management 101.  
Let’s start with a few free falls.”

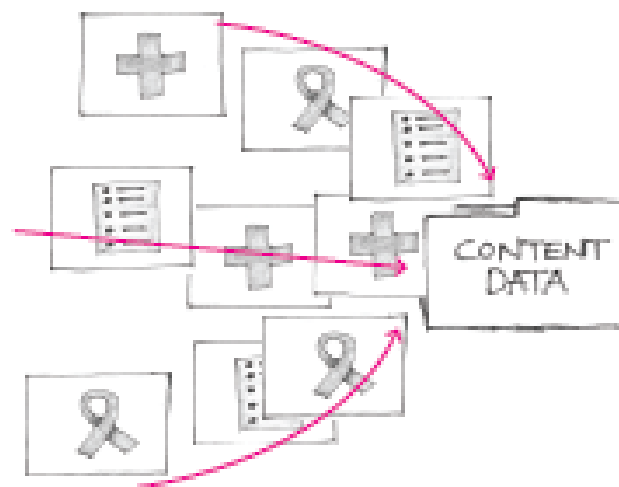
## Principles of a New Model for NSW/ACT

- Data Custodians retain their fundamental data governance role in approving projects through their independent management structures.
- Adoption of a new model by Data Custodian is voluntary.



# Data Integration Unit + New Operating Models

- Hold or access content data on behalf of data custodians
- Dedicated resources to deliver content data on behalf of data custodians
- “Safer” integration practice
  - single point of accountability
  - integration before disclosure
- Better outcomes for researchers
  - timeframes less variable and more predictable
  - a single point of contact or leverage
- Efficiency & quality
  - less custodian workload, single stage provision
  - greater productive capacity in CHeReL
  - better management of linkage quality



# Outcomes to date..

## July – Sept 2017

Datasets Delivered = 34

Number of Services =13

Median for Data Delivery = 2 days

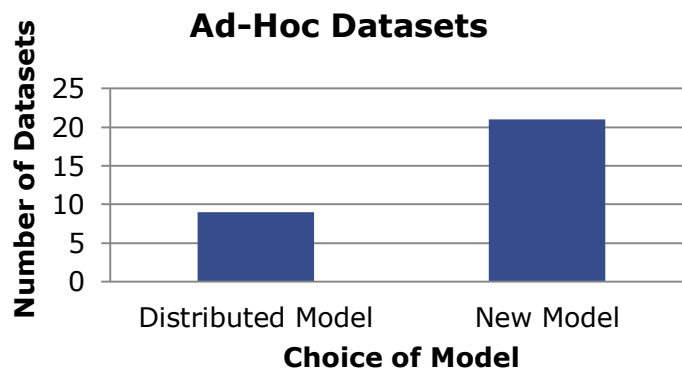
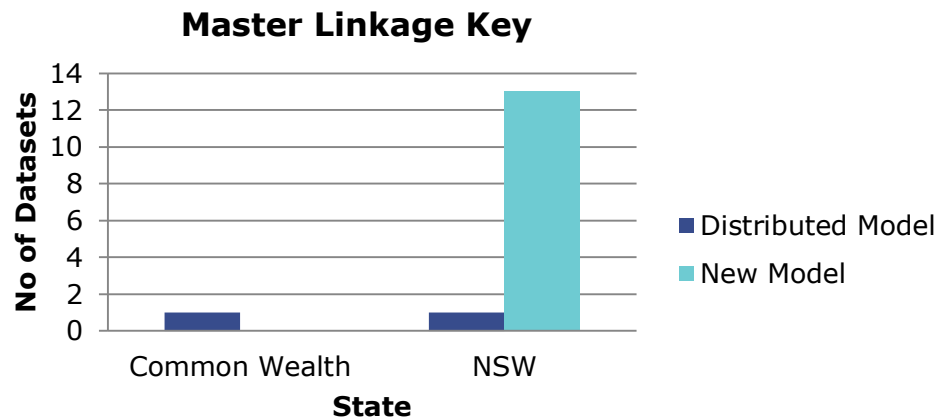
## On the Horizon

Ongoing training with data custodians

Increase the number of datasets delivered using New Model

Statistical Risk assessment

## Datasets approved to use DIU



# Application Process

1) Apply for linked data as usual within NSW and ACT:

*" data will be linked by the CHeReL Data Linkage Unit in accordance with standard models. Content variables and the PPN will be securely transferred to investigators by the data custodian or the CHeReL Data Integration Unit on the custodian's behalf"*

2) After data custodians have approved your project, CHeReL staff will negotiate with them about linkage models and the DIU

3) After linkage, some datasets may come from the Data Integration Unit and some from individual data custodians



# Online tracking

Dashboard > Services > Phase

Project Title: Service#

Last Updated 10 July 2017



External Datasets  
Sourced



of Linkage Complete



Data Sets Delivered

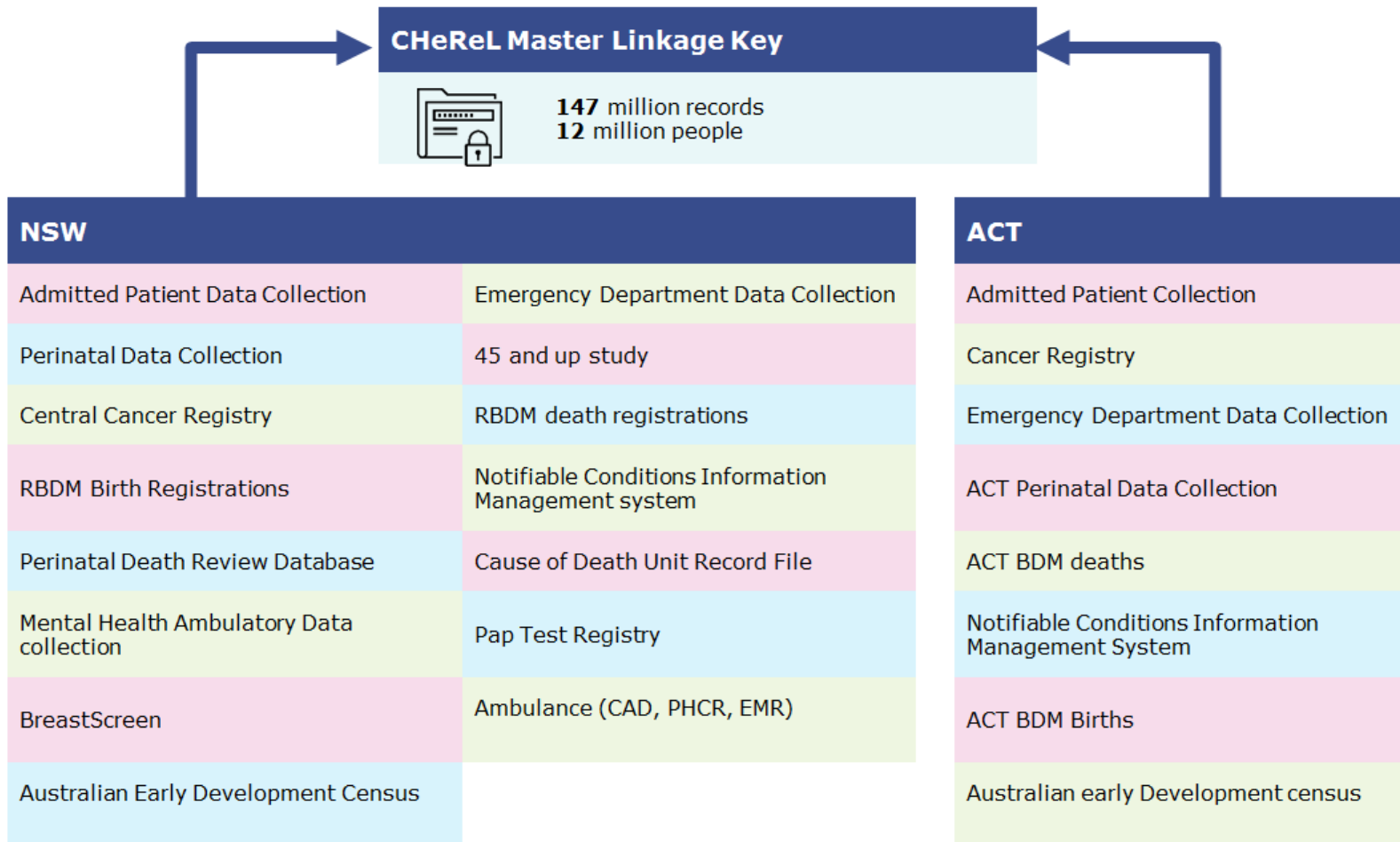
Add a comment

Submit Comment

Linkages	% Completed
5	80%
3	30%
12	95%

Data Set	Delivery By	est Delivery Date
APDc	DIU	18 June 2018
EDDC	DIU	18 June 2018
PHDAS	Custodians	we recommend allowing 4-6 week from linkage completion

# MASTER LINKAGE KEY



# Further Information and Resources

[www.cherel.org.au](http://www.cherel.org.au)

The CHeReL is part of the Population Health Research Network (PHRN), an initiative of the Australian Government being conducted as part of the National Collaborative Research Infrastructure Strategy