

AIFS's purpose



We create and communicate knowledge to accelerate positive outcomes for families and communities.



Data Linkage



Data linkage can build resources to support the wellbeing of children, adults and families through

- enhance research
- produce valuable data assets and
- support policy evaluation and development



Answering research and policy questions











How can we assess educational factors over lifetimes? What pathways, policies, and programs lead to the best outcomes?

How can we observe transitions through the education system?



- provide more accurate and objective data
- increase the richness and depth of the dataset
- addressing attrition bias
- creating room in the survey to ask other questions

AIFS Data Linkage Capabilities



Data scoping





Integrating data

Analysis and research using linked data





Longitudinal Study of Australian Children Linkages





- Medical services (MBS)
- Pharmaceutical Services (PBS)
- Immunisations (ACIR)



School performance and profile





indicators



Literacy and Numeracy

School literacy and numeracy results



Discovering what works for families

centrelink

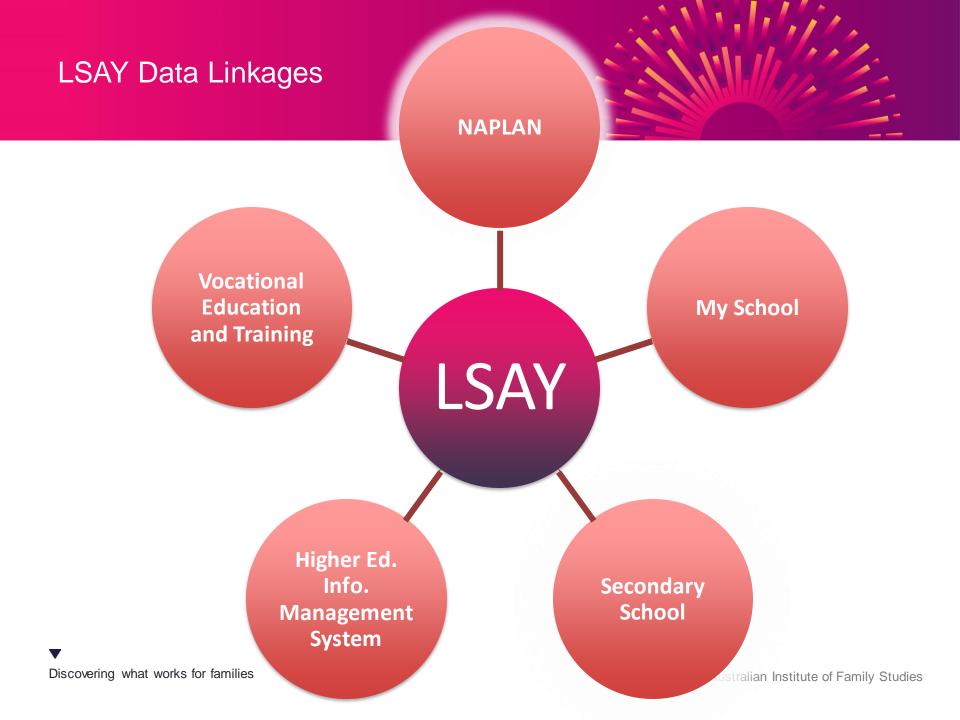
- Income support payments
- Family tax benefits payments

 Australian Institute of Family Studies

Linkage Methodologies



- Probabilistic
 - Full name, date of birth and sex
 - Address/postcode
 - Date of last contact
- Deterministic e.g. Medicare Person ID Number, Tax File Number
- 'Key-based linkage'
 - Community services statistical linkage key (SLK851)
 - Additional information, e.g. Postcode
- Event-based
 - Dates of service provision
 - Date of birth and sex
- Hash keys
- Machine learning



Consent

- Designed
- Approved
- Sought
- Collected





Linkage Process Using Separation (e.g. NAPLAN)



- 1. Link ID attached to identifier data
- Create concordance file to link LSAY content to NAPLAN content
- 3. The jurisdictions perform the match and extract the NAPLAN data.
- 4. The jurisdictions remove the identifiable information from the file
- 5. The jurisdictions send the file to AIFS
- 6. The AIFS integrates data LSAY and NAPLAN data

