

Mental Health Information System

*Using mental health data
collected in PSOLIS for research*

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Department of Health
Information Collection and
Management (ICAM)

The wonderful world of mental health data

Mental Health Information System (MHIS)

CRN Unit

Psolis Id UMRNy

UMRN Surnames

Surname SRN

FirsI Names Unit Search Cast

Sex Date of Birth Year of Birth

Form: Reception, Admissions, Patient Data Log, Out/Daypatient Mv, Inpatient Mvt, Residential Mv, Contacts, Episodes, Patient Profile, **Patient Dump**, Contact Activity

The wonderful world of mental health data in WA

MENTAL HEALTH INFORMATION SYSTEM

- What is the MHIS
- Using Your Data for research
- Data Linkage Unit in WA
- A mental health researcher perspective



What's is the MHIS

- The MHIS is a patient based information system with each patient allocated a unique number
- 1966 recording begins 1st July
- Psychiatric episodes can be either
 - Inpatient (public and private)
 - Outpatient/Clinics (public only)



Why is the data collected

- **Supports the research, planning, funding and improvement of MH services in WA**
- **State reporting requirements eg KPI's**
- **Australian Health Care Agreement (MH-NMDS)**
- **NOCC reporting**

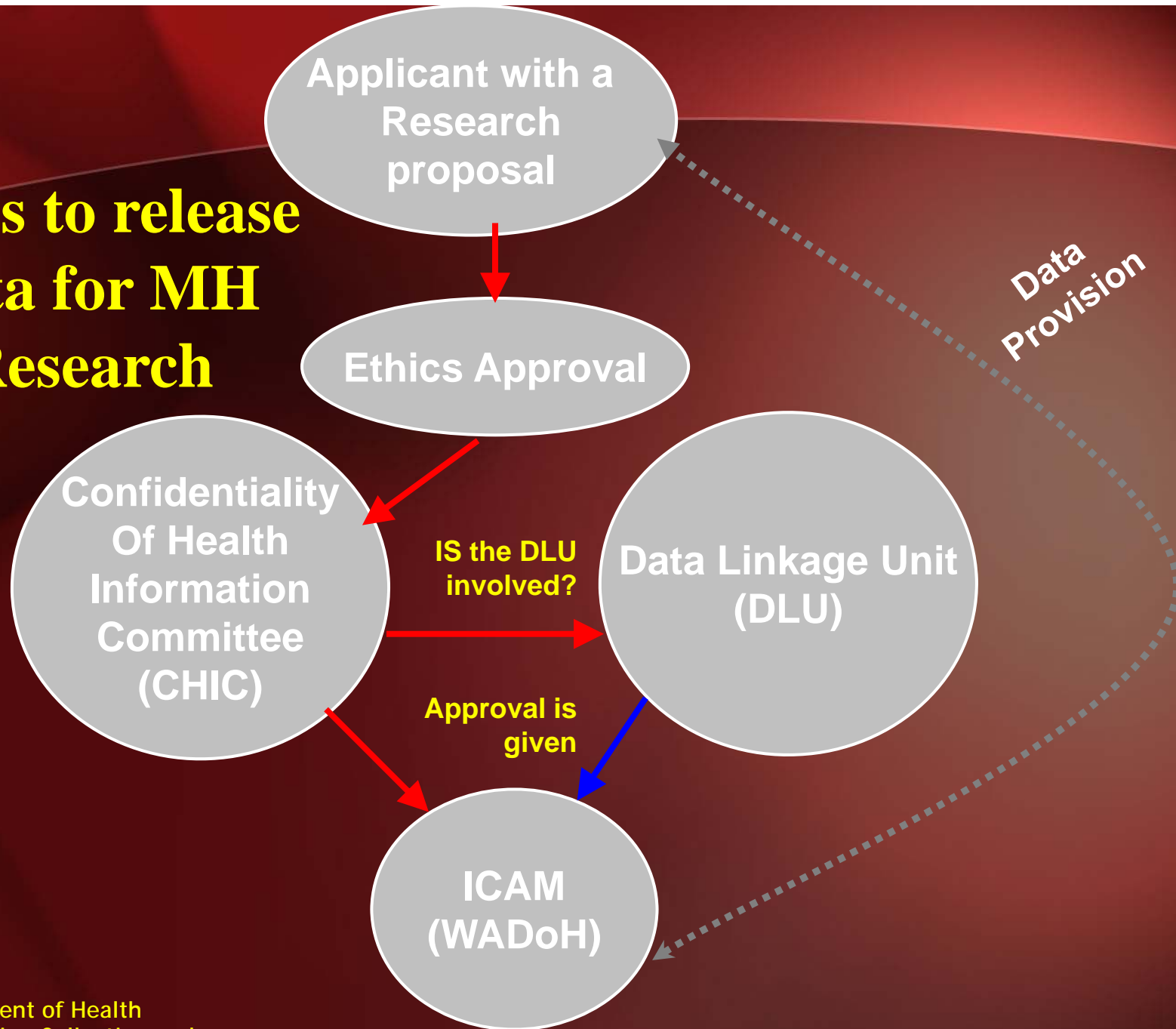


The research

- **Must have a valid research proposal**
- **Must be support by appropriate institution (eg Uni, Hospital etc)**
- **Strict security rules for the different stages of the research project**
- **Contracts are signed for the release of data**



Process to release data for MH Research



Data Linkage Unit

“A WA-Based Centre of Excellence in Science and Innovation”

- Est 1995 - 1st C Block, Royal Street
- Collaborative with
 - *DoH-WA*
 - *UWA School of Population Health*
 - *Telethon Institute for Child Health Research*
 - *Curtin University*



Data Linkage Unit

- Linkage within/between DoH data (& other data collections)
- Strict privacy & security protocols use & access
- **Only links are stored not clinical information**
- Health consumers are involved in the management structure



Core Data Sets

Birth Registrations

1974-June2005
777,100 records

Death Registrations

1969-June2005
338,754 records

Hospital Separations

1970-June2005
14,195,987 records

Mental Health Clients

1966-June2005
319,563 clients

Cancer Notifications

1981-June2005
187,800 patients

Midwives' Notifications

1980-June2005
621,598 records

Electoral Roll

1988-June2005
1,723,418 records

WA DATA LINKAGE SYSTEM
July 2005

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Commonwealth Data Systems

Aged Care 1993-2003
MBS/PBS 1990-2004



Other State Data Systems

Road Injury 1987-2000
Silver Chain 1993-2001
Emergency Dept 1993-98,2000-03
Ambulance 1990-2003
Next Step 1974-2000

Research Databases

Busselton Surveys 1966-87
MONICA IHD 1984-93
NHF Surveys 1978-94
Crime Research 1984-95
Fremantle Diabetes 1993-99
Kimberley Survey 1987
Maternal and Child Health

Research Projects

Geocoding

6 million electoral,
midwives, hospital
and death records
~ 1 million individuals

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Research Projects

Master Links File

3.63 million chains
1-2,837 (av. 4.79)
records per chain

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WA DATA LINKAGE SYSTEM

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Proportions of identified and linked data extracts for research in WA



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Time for Vera

