

Data Linkage Unit
Volume 2: Mortality Data System

Data Linkage Unit

A Collaborative Project Between

School of Population Health
University of Western Australia

&

Department of Health of Western Australia

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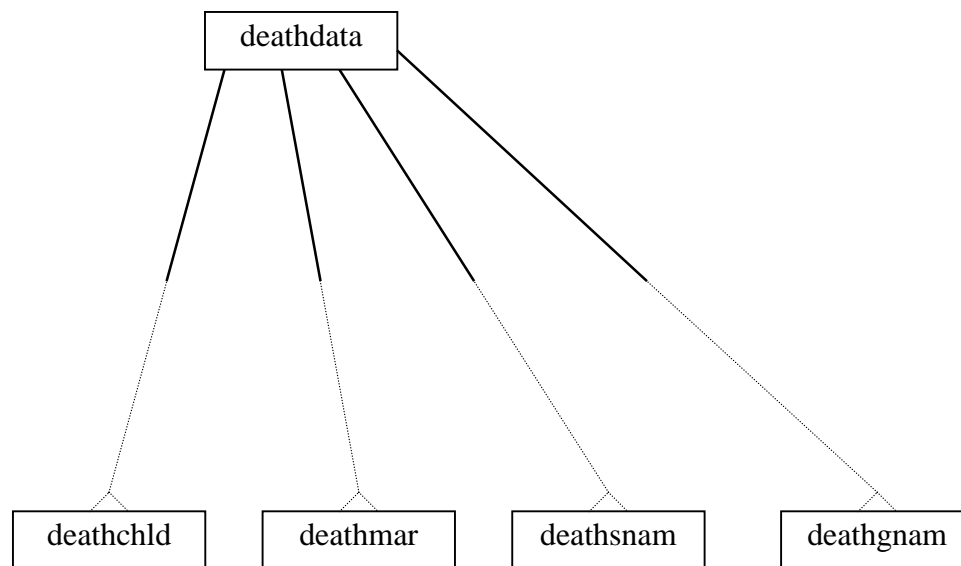
1. DATABASE INFORMATION

1.1 The logical Structure

The database contains the tables:

- deathdata (see 4 for field definitions)
- deathsnam (see 7 for field definitions)
- deathgnam (see 5 for field definitions)
- deathmar (see 6 for field definitions)
- deathchld (see 3 for field definitions)

The below diagram presents the associations between each of the tables.



This representation is not defined within the database itself

1.2 Concerning Tables

Each table is indexed by the lpno. This increases the speed of access to records in the table whenever a reference is given to the lpno.

Data had been received from two different sources. All data from 1969 to 1983 has been collected from the ABS. Post 1983 data has been collected from the RG and the ABS.

1.3 Concerning Fields

1.3.1 Default Characteristics

All fields throughout the morbidity data system have two (2) characteristics in common. These are:

- Most are of type character.
- there are no predefined defaults

1.3.2 *lpno*

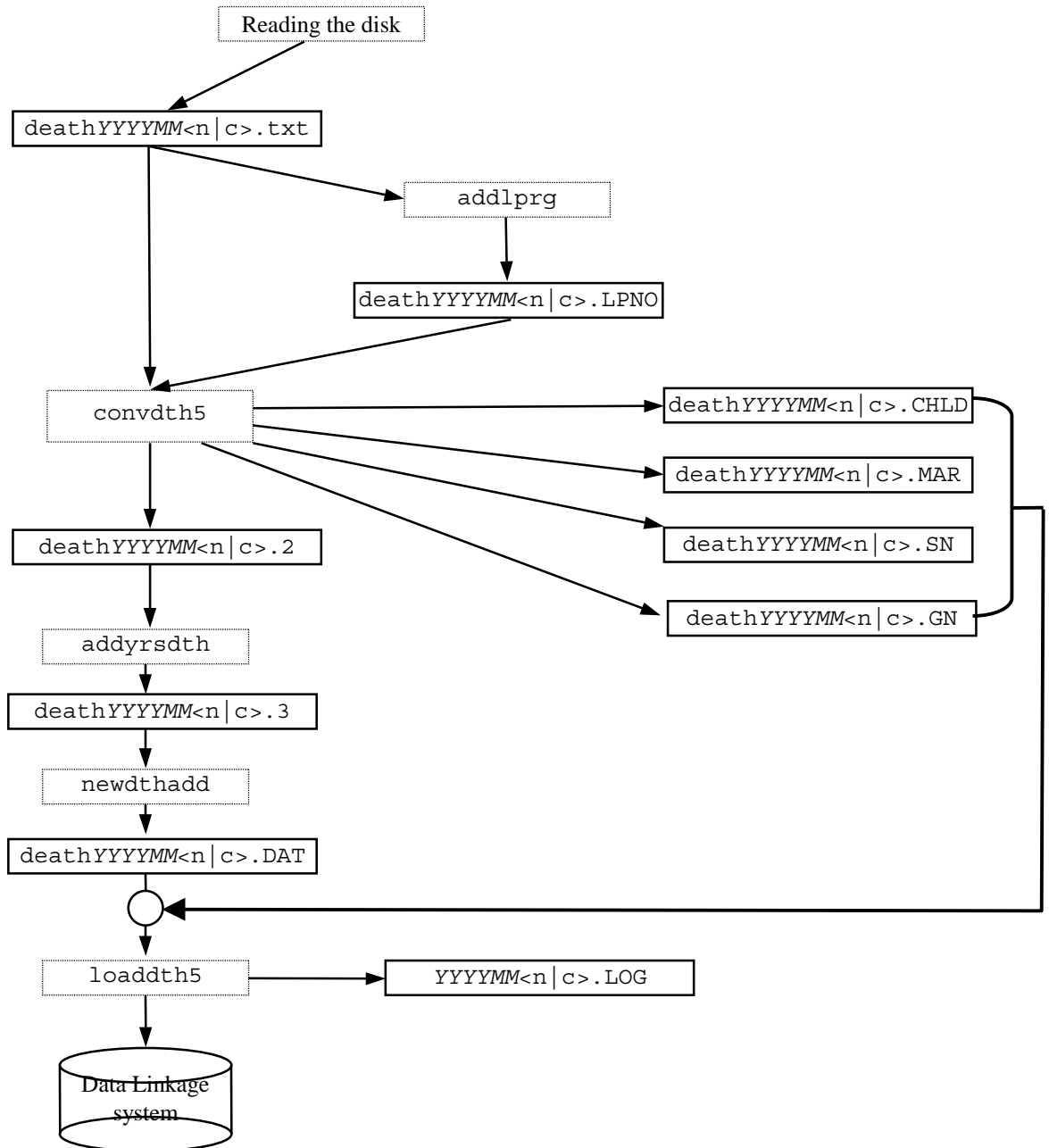
The *lpno* in all cases have a default structure. Each *lpno* is an 12 character identifier. The values for each character falls in the range of 0-9. The following is a description of the positional meaning within the *lpno*.

- 1-2 Type of record. e.g. "04" = mortality, "03" = morbidity.
In the case of this system the number will be "04".
- 3-5 Year of record.
Position 3 is the century, 1 = 19, 2= 20
Position 4-5 is the year.
e.g. 196 would mean 1996.
- 6-11 This signifies the number of the record for the particular year and type of record.
- 12 This signifies the nature of the record e.g "E" event based, "P" project, "B" baby, "M" mother, "F" father.

2. DATABASE IMPLEMENTATION

2.1 Preparing Data

This involves the reading of the data from the tape and processing each record to the point which it is ready to place into the database. The following diagram briefly describes the steps involved.



2.2 Reading and Processing Death Data

Inclusion of data to the Mortality Data System involves the following steps to read and process the raw data.

Reading

Map a drive on the pc to */raw_data/* (eg: L:). Copy the files from the disks into the folder *L:/RG_data* and rename appropriately e.g. *deathYYYYMM[nc].xls*

Use an "n" or a "c" after the YYYYMM to indicate if the file is new records or corrections to old records.

Processing

Ensure the month directory exists on */raw_data/death/YYYY*. If not, create the directory.

In Excel open the *deathYYYYMM[nc].xls* in the *RG_data* folder.

Copy all cells to a new workbook by highlighting from the top left data cell (excluding headers and blank lines) down to the bottom right (ensure you have encompassed full width and length of data).

In the new workbook select all cells, perform *Format, Column, Autofit Selection* and ensure that the *"EVENT_DATETIME"* column is formatted to *dd/mm/yyyy h:mm:ss AM/PM* format.

Then select *SAVE AS* and save the workbook as a *TAB Delimited* file called *deathYYYYMM[nc].txt* in the *death/YYYY/MM* folder.

For further information refer to document **Loading the Monthly Death, Birth & Marriage Tapes from the Registrar Generals Office - Hobbs Database links System** -WA Data Linkage Project.
E:\documentation\Reading_Birth_Death_Marriage_Tapes.doc

2.2.1 Applying New Fields

2.2.1.1 Adding LPNO

This involves running `addlpprg`, for a new record file (*see 9.1*). This applies each registration number with an associated lpno.

2.2.1.2 Separating Name Aliases, Children and Marriages

This involves the correction of names to satisfy the rules defined by the Linked Database Project, the aliasing of names, the separation of children and multiple marriages. This is performed using the program, `convdth5` (*see 9.2*). This process is interactive with the user.

2.2.1.3 Calculating Years of Residence

This is a simple process of calculating the number of years each of the deceased resided in both Australia and Western Australia. The program `addyrsdth` (*see 9.3*) is used.

2.2.1.4 Recreation of Addresses

This is another interactive program with the user. It recreates the address field into two fields, address and suburb. In addition an appropriate postcode is applied to each address. This is performed throughout the use of the program `newdthadd` (*see 9.4*).

2.2.1.5 Loading the Data onto the Database

To load the data onto the database, one must have Database Administrator (DBA) privileges and knowledge of the current password. This involves using the program `loaddth5` (*see 9.6*). This program will load both new and update data. If update data is to be loaded then the program will remove all reference of a specific lpno that is to be updated then loads the new set of records.

3. TABLE (DEATHCHLD)

3.1 Comments

3.2 Field (lpno)

Description

see 1.3.2

Size - 12

Character - various characters (varchar)

Coding

spaces - not recorded

History

3.3 Field (child)

Description

Child name.

Size - 52

Character - varchar

Notes - Name of a child of the person with the same lpno. A person may have more than one associated deathchld record.

Coding

spaces - not recorded

History

4. TABLE (DEATHDATA)

4.1 Comments

4.2 Field (lpno)

Description

see 1.3.2

Size - 12

Character - Varchar

Coding

spaces - not recorded

History

4.3 Field (r_year)

Description

Year of the record. Based on registration year.

Size - 4

Character - Integer

Coding

spaces - not recorded

History

4.4 Field (regnum)

Description

Registration number

Size - 9

Character - Varchar

Notes - This is determined by the RG.

Coding

Character Positions

1-2 Year of registration.

3-4 District

5-9 Number

spaces - not recorded

History

As of Jan 2000 all WA deaths are coded to be in District 01.

Reference

District coding

4.5 Field (up_date)

Description

Date when record update occurred at the DLU.

Size - 8

Character - Integer

Coding

Follows the date format YYYYMMDD

spaces - not recorded

History

Added 12 December, 1996. All dates defaulted to 30 November, 1996 (19961130)

4.6 Field (sex)

Description

Sex of the person defined within the record.

Size - 1

Character - Varchar

Coding

M - Male

F - Female

U - Unknown

N - Not Registered

spaces - not recorded

History

4.7 Field (res_add)

Description

Residential address.

Size - 56

Character - Varchar

Coding

spaces - not recorded

History

June 1996

This data is only available after 1982. Preceding this no data has been supplied.

4.8 Field (res_sub)

Description

Residential suburb.

Size - 20

Character - Varchar

Notes - The contents of the suburb field is dependent upon the state/or country of the address. If the state is Western Australia then the field contains the suburb, town, city etc. of the address. If the address is out of the state but within Australia then the state is noted in the field. If the place of residence is out of Australia then the Country is defined.

Coding

spaces - not recorded

History

June 1996

This data is only available after 1982. Preceding this no data has been supplied.

4.9 Field (res_pc)

Description

Residential postcode.

Size - 4

Character - Integer

Coding

0000 - postcode unknown

6??? - defines a Western Australian postcode where ? is in the range of 0-9.

spaces - not recorded

Notes - 2999,6999,8888,9999 etc should be regarded as unknown postcodes.

History

June 1996

This data is only available after 1982. Preceding this no data has been supplied.

Reference

Australia Post Postcode Datafile

Pc-book_20030122.csv

4.10 Field (pod_code)

Description

Place of death code. Is an ABS hospital code.

Size - 4

Character - Varchar

Coding

spaces - not recorded

History

1983 onwards.

1983-1986

Length of field is 3.

1987- present

Majority of records have a field length of 4

No longer coded from 1999 registrations.

Reference

ABS Hospital Codes

4.11 Field (pod_hosp)

Description

Place of death hospital.

Size - 40

Character - Varchar

Notes - States the name of the hospital where the death occurred.

Coding

spaces - not recorded

History

pre-1987

No data has been collected

1987 - 1989

Length of field was 3 and contained an abbreviation of the hospital name.

1989 - 1994

Field length changed to 40, to contain the full hospital name.

1995- present

Blank. This field is the same as pod_add + pod_sub. It was part of the ABS data originally obtained through Richard Hockey. As data since 1995 has RG data plus some ABS data and has pod_add, pod_sub pod_hosp is left blank

4.12 Field (dob)

Description

Date of birth.

Size - 8

Character - Integer

Coding

Follows the date format of YYYYMMDD.

spaces - not recorded

History

4.13 Field (age)

Description

Age of the person.

Size - 3

Character - Integer

Notes - Reference to age_text needs to be given to find the context of the field value.

- Previous to 1984 age was supplied by ABS this age was prefixed by Y, M, D.

This was converted to follow the RG format in the field age_text (*see 4.14*)

Coding

spaces - not recorded

History

4.14 Field (age_text)

Description

Age text.

Size - 3

Character - Varchar

Notes - This gives the context in which the age can be quantified.

Coding

A - Approximate age in years.

D - Days

H - Hours

M - Months

MI - Minutes

NBA - Not born alive
S - Seconds
U - Unknown
W - Weeks
Y - Years
spaces - not recorded.

History

4.15 Field (aborigin)

Description

Aboriginality.

Size - 2

Character - Varchar

Notes - States if the person is of any aboriginal descent.

Coding

A - Aboriginal
AT - Aboriginal & Torres Strait Islander
U - Unknown
UN - Unknown
N - No
NS - Not stated
Y - Yes

spaces - Not recorded

History

1970 - 1982

No recording

1983 - 1984

Coding, Y, N & NS only used.

1985

U coding introduced

1997

UN coding introduced

2000

A coding introduced

2002

AT coding introduced

4.16 Field (postmort)

Description

Post mortem

Size - 2

Character - Varchar

Notes - Determines whether a post mortem was, was not or is to be carried out.

Coding

C - Carried out
T - To be carried out
N - Not carried out
NS - Not stated
W - Will be Carried out
spaces - not recorded

History

1990

W (Will be carried out) is no longer used.

4.17 Field (marital)

Description

Marital status.

Size - 1

Character - Varchar

Coding

D - Divorced
M - Married
N - Never married
P - Presumed widowed.
S - Single
T - Tribally married
U - Unknown
W - Widowed
spaces - not recorded

History

1986

N coding introduced.

2001

T coding introduced. T is presumed to code Tribally married.

4.18 Field (dod1)

Description

Date of death 1.

Size - 8

Character - Integer

Coding

Follows the date format of YYYYMMDD.

spaces - not recorded

History

4.19 Field (dod2)

Description

Date of death 2.

Size - 8

Character - Integer

Coding

Follows the date format of YYYYMMDD.
spaces - not recorded

History

1983 onwards.

4.20 Field (dodcode)

Description

Date of death code.

Size - 1

Character - Varchar

Notes - If the dodcode is equal to a 'd' then dod2 will be blank.

- In all cases except where dodcode is equal to 'B' dod2 will be empty.

Coding

A - The actual date of death is on or about the date in dod1.

B - The actual date of death is between the date in dod1 and the date in dod2.

D - Year, month and day are known, and are entered in dod1.

F - The actual date of death is unknown, the date in dod1 is the date the body was found.

R - Date is unknown, the date of registration is entered in dod1.

d - Record taken from ABS.

spaces - not recorded.

History

4.21 Field (codcode)

Description

Cause of death code.

Size - 4

Character - Varchar

Notes - The ABS does not use the code 800-9999.9 ICD-9. Codes E800-E999 are used instead, but without the E, e.g. E910.4 appears as 9104.

- All ICD-9 code (ABS data) without a fourth digit have a 9 appended to them, e.g. 410 will become 4109.

Coding

Coding follows the ICD-9-CM coding system.

spaces - not recorded

History

1970 (Jan) - 1978 (Dec)

ICD-8 is used.

1979 (Jan) - 1987 (Dec)

ICD-9 is used.

1988 (Jan) - 1995 (Jun)

ICD-9-CM is used.

1995 (July) - 1996 (Jun)

ICD-9-CM (Aust v1) is used.

1996 (July) - 1999 (Jun)

ICD-9-CM (Aust v2) is used.

1999 (July) - 2000 (Jun)

ICD-10-AM 1st Ed is used.

2000 (Jul) - 2002 (Jun)

ICD-10-AM 2nd Ed is used.

2002 (Jul) - present

ICD-10-AM 3rd Ed is used.

Reference

ICD manuals

4.22 Field (lga)

Description

Local government area.

Size - 5

Character - Varchar

Notes - The lga is dependent upon the last recorded census.

Coding

spaces - not recorded

History

There is some confusion about this field. It appears that it should be 4 digits and is now the SLA rather than the LGA (though the same often). For 1999 data only 4 digits loaded. Prior to that I think 5 digits have been loaded. For 1997,1998,1999 ABS supplied the URES_9 field which is made up of

State (1), SD (2), SSD (2), SLA (4)

For 1997,1998 the last 5 digits were loaded, 1999 only last 4.

As lga dependent on last recorded census, there are no recordings 2002 onwards.

4.23 Field (occup)

Description

Occupation.

Size - 4

Character - Varchar

Coding

Before 1990 ABS Demography Occupation Codes are used (field length of 2).

1990 to the present the Australian Standard Classification of Occupations (ASCO) is used (field length of 4).

spaces - not recorded

History

2002 -present

No recordings listed.

Reference

Code list for Occupation

4.24 Field (pob)

Description

Place of birth.

Size - 4

Character - Varchar

Notes - This is the country of birth.

Coding

See the Australian Standard Classification of Country Birth.

spaces - not recorded

History

Character length varies 2-4. This may be reflective of alterations in the ASCCB code

2002-present

No recordings listed

4.25 Field (absyear)

Description

ABS year

Size - 1

Character - Varchar

Notes - The ABS gives the registration year number the year which the record was processed. absyear determines whether the record (by the RG) is from the previous year or not.

Coding

0 - ABS registration number year is the year of registration by RG.

9 - ABS registration number year is for a record from the previous year by RG.

spaces - not recorded

History

1970-1994

Records listed in this field.

1995-present

No records listed.

4.26 Field (regprev)

Description

Previous registration number.

Size - 10

Character - Varchar

Notes - Field is predominantly empty

Coding

spaces - not recorded

History

1970 - 1990

No records listed

1991-present

Records listed in this field

4.27 Field (regnext)

Description

Next registration number.

Size - 10

Character - Varchar

Notes - Field is predominantly empty.

Coding

spaces - not recorded

History

4.28 Field (regnbir)

Description

Birth registration number.

Size - 10

Character - Varchar

Coding

spaces - not recorded

History

1970 - 1983

No records listed

1984 - present

Records listed

4.29 Field (regdate)

Description

Registration date.

Size - 8

Character - Integer

Coding

Follows the date format of YYYYMMDD.

spaces - not recorded

History

4.30 Field (pod_add)

Description

Place of death address.

Size - 250

Character - Varchar

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.31 Field (pod_sub)

Description

Place of death suburb.

Size - 32

Character - Varchar

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.32 Field (pob_text)

Description

Place of birth text.

Size - 76

Character - Varchar

Notes - Follows format of town name, country.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.33 Field (fathsnam)

Description

Father's surname name.

Size - 40

Character - Varchar

Coding

spaces - not recorded

History

4.34 Field (fathgnam)

Description

Father's given names.

Size - 50

Character - Varchar

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.35 Field (mothmnam)

Description

Mother's maiden name.

Size - 40

Character - Varchar

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.36 Field (mothgnam)

Description

Mother's given names.

Size - 50

Character - Varchar

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.37 Field (occuptxt)

Description

Occupation text.

Size - 100

Character - Varchar

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.38 Field (inf_desc)

Description

Informant's description.

Size - 1

Character - Varchar

Coding

A 'Assistant Director of Nursing'

C 'Coroner'

D 'Director of Nursing'

F 'Funeral Director'

O 'Occupier of Place of Death'

P 'Person Disposing of Body'

S 'Principal of School of Anatomy'

U 'Person Authorised by Coroner'

R 'Registrar General'

- ''

spaces - not recorded

History

1983-present

Records listed

4.39 Field (inf_nam)

Description

Informant's given names.

Size - 50

Character - Varchar

Notes - Name of the person who registered the death.

Coding

spaces - not recorded

History

1970-1983

No records listed

1984 - present

Records listed

4.40 Field (inf_add)

Description

Informant's address.

Size - 100

Character - Varchar

Notes - Address of the person who registered the death.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.41 Field (inf_pc)

Description

Informant's postcode.

Size - 4

Character - Integer

Notes - Postcode of the person who registered the death.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.42 Field (doctname)

Description

Doctor's name.

Size - 60

Character - Varchar

Notes -

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.43 Field (alivedat)

Description

Date last seen alive.

Size - 8

Character - Integer

Coding

Follows date format YYYYMMDD

spaces - not recorded

History

1970 -1983

No records listed
1984 - present
Records listed

4.44 Field (time_tot)

Description

Total time of occupancy in Australia

Size - 3

Notes - Unit of measurement is in years

Coding

spaces - . not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.45 Field (time_wa)

Description

Time of occupancy in Western Australia

Size - 3

Character - Varchar

Notes - Unit of measurement is in years

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.46 Field (st_unkn)

Description

State unknown.

Size - 1

Character - Varchar

Notes - State of residence is unknown.

Coding

Y - Yes

N - No

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.47 Field (st_1)

Description

State of residence 1.

Size - 3

Character - Varchar

Coding

ACT - Australian Capital Territory

CHI - Christmas Islands

CHR - Christmas Islands

CI - Christmas Islands

CKI - Cocos (Keeling) Islands

COC - Cocos (Keeling) Islands

COK - Cocos (Keeling) Islands

NSW - New South Wales

NT - Northern Territory

QLD - Queensland

SA - South Australia

TAS - Tasmania

VIC - Victoria

WA - Western Australia

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.48 Field (st_yrs_1)

Description

Period of occupancy in state 1.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.49 Field (st_2)

Description

State of residence 2.

Size - 3

Character - Varchar

Coding

see 4.47

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.50 Field (st_yrs_2)

Description

Period of occupancy in state 2.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.51 Field (st_3)

Description

State of residence 3.

Size - 3

Character - Varchar

Coding

see 4.47

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.52 Field (st_yrs_3)

Description

Period of occupancy in state 3.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed
1984 - present
Records listed

4.53 Field (st_4)

Description

State of residence 4.

Size - 3

Character - Varchar

Coding

see 4.47

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.54 Field (st_yrs_4)

Description

Period of occupancy in state 4.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.55 Field (st_5)

Description

State of residence 5.

Size - 3

Character - Varchar

Coding

see 4.47

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.56 Field (st_yrs_5)

Description

Period of occupancy in state 5.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.57 Field (st_6)

Description

State of residence 6.

Size - 3

Character - Varchar

Coding

see 4.47

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.58 Field (st_yrs_6)

Description

Period of occupancy in state 6.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.59 Field (st_7)

Description

State of residence 7.

Size - 3

Character - Varchar

Coding

see 4.47

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.60 Field (st_yrs_7)

Description

Period of occupancy in state 7.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.61 Field (st_8)

Description

State of residence 8.

Size - 3

Character - Varchar

Coding

see 4.47

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.62 Field (st_yrs_8)

Description

Period of occupancy in state 8.

Size - 3

Character - Varchar

Notes - Unit of measurement is in years.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.63 Field (oth_unkn)

Description

Other unknown.

Size - 1

Character - Varchar

Coding

Y - Yes

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.64 Field (codtext)

Description

Cause of death text.

Size - 1000

Character - Varchar

Notes - Provides a description of the cause of death. Descriptions separated by | .

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

March, 2003 this field was broken into a number of new fields

4.65 Field (opertext)

Description

Operation text.

Size - 221

Character - Varchar

Notes - Text describing an operation, if performed.

Coding

spaces - not recorded

History

1970 -1983

No records listed

1984 - present

Records listed

4.66 Field (abs_aborig)

Description

Aboriginal flag from ABS data.

Size - 1

Character - Integer

Coding

0 – Not indigenous or Unknown

1 – Indigenous

4 – Aboriginal

5 – Torres Strait Islander (TSI)

6 – both Aboriginal and TSI origin

7 – Not Stated

History

This data has only been available on the ABS death file since 1997 when we received the whole record. As of Jan 2001 only loaded for 1999 deaths. Will go back and load 1997 and 1998 data in near future.

1970 - 1998

No records listed

1999 - present

Records listed

4.67 Field (abs_pm)

Description

ABS postmortem code

Size - 1

Character - Integer

Coding

0 - Not collected

1 - Carried out

2 - To be carried out

3 - No post mortem

9 - Not stated

spaces - not recorded

History

This data has only been available on the ABS death file since 1997 when we received the whole record. As of Jan 2001 only loaded for 1999 deaths. Will go back and load 1997 and 1998 data in near future.

1970 - 1998

No records listed

1999 - present

Records listed

4.68 Field (plc_occ)

Description

Place of occurrence code.

Size - 1

Character - Varchar

Notes - Only set for deaths due to or involving selected external causes. (W00 – Y34)

Coding

0 – Home

1 – Residential institution

2 – School, other institution and public administrative area

3 – Sports and athletic area

4 – Street and highway

5 – Trade and service area

6 – Industrial and construction area

7 – Farm

8 – Other specified place (including beach, forest etc)

9 – Unspecified place

History

First available on 1999 ABS data.

1970 - 1998

No records listed

1999 - present

Records listed

4.69 Field (act_code)

Description

Activity code

Size - 1

Character - Integer

Notes - Only set for deaths due to or involving external causes. (V01 – Y34)

Coding

0 – While engaged in sports activity

1 – While engaged in leisure activity

2 – While working for income (including transportation to and from work)

3 – While engaged in other type of work

4 – While resting, sleeping, eating or engaging in other vital activities

8 – While engaged in other specified activities

9 – During unspecified activity

History

First available on 1999 ABS data.

1970 - 1998

No records listed

1999 - present

Records listed

4.70 Field (firearm)

Description

Type of firearm used.

Size - 1

Character - Varchar

Notes - Only for firearm related deaths. (W32-34,X72-74,X93-95,Y22-24,Y350)

Coding

spaces - not recorded

History

First available on 1999 ABS data.

1970 - 1998

No records listed

1999 - present

Records listed

4.71 Field (antecedent)

Description

Antecedent causes relating to death.

Size - 500

Character - Varchar

Notes -

Coding

History

March, 2003 commenced

4.72 Field (contrib_factors)

Description

Contributing factors to cause of death.

Size - 300

Character - Varchar

Notes -

Coding

History

March, 2003 commenced

4.73 Field (op_performed)

Description

Operation performed within 4 weeks of death.

Size - 2

Character - Varchar

Notes -

Coding

Y - Yes

N - No

NS - Not Stated
U - Unknown
spaces - not recorded

History

March, 2003 commenced

4.74 Field (op_disease)

Description

Description of disease/condition resulting in operation.

Size - 100

Character - Varchar

Notes -

Coding

spaces not recorded

History

March, 2003 commenced

4.75 Field (preg_6_weeks)

Description

Deceased pregnant within 6 weeks of death.

Size - 2

Character - Varchar

Notes -

Coding

Y - Yes

N - No

NS - Not Stated

U - Unknown

spaces - not recorded

History

March, 2003 commenced

4.76 Field (preg_12_months)

Description

Deceased pregnant between 6 weeks and 12 months of death.

Size - 2

Character - Varchar

Notes -

Coding

Y - Yes

N - No

NS - Not Stated

U - Unknown

spaces - not recorded

History

March, 2003 commenced

4.77 Field (injury_involved)

Description

Injury/external cause involved in death

Size - 2

Character - Varchar

Notes -

Coding

Y - Yes

N - No

NS - Not Stated

U - Unknown

spaces - not recorded

History

March, 2003 commenced

4.78 Field (injury_desc)

Description

Description of injury/external cause involved in death.

Size - 100

Character - Varchar

Notes -

Coding

spaces - not recorded

History

March, 2003 commenced

5. TABLE (DEATHGNAM)

5.1 Comments

5.2 Field (lpno)

Description

see 1.3.2

Size - 12

Coding

spaces - not recorded

History

5.3 Field (gn_alias)

Description

Given name alias.

Size - 1

Character - Varchar

Notes - This matches to the field sn_alias (*see 7.3*).

Coding

spaces - not recorded

History

5.4 Field (gn_no)

Description

Given name number.

Size - 1

Character - Varchar

Notes - For any one gn_alias there may be one or more gn_no.

- gn_no starts at one (1) and is incremented by 1 for each additional name.

Coding

spaces - not recorded

History

5.5 Field (gname)

Description

Given name.

Size - 25

Character - Varchar

Coding

spaces - not recorded

History

6. TABLE (DEATHMAR)

6.1 Comments

6.2 Field (lpno)

Description

see 1.3.2

Size - 12

Character - Varchar

Coding

spaces - not recorded

History

6.3 Field (mar_pos)

Description

Marriage position.

Size - 1

Character - Varchar

Notes - This gives the position of this marriage record in the original RG record. Each RG record can have up to 5 marriage records, hence the range is from 1 to 5

Coding

1-5 (*see above*).

spaces - not recorded

History

6.4 Field (marregno)

Description

Marriage registration number.

Size - 10

Character - Varchar

Coding

spaces - not recorded

History

Field appears to be empty

6.5 Field (pom)

Description

Place of marriage.

Size - 60

Character - Varchar

Notes - Format of town name, country.

Coding

spaces - not recorded

History

6.6 Field (dom)

Description

Date of marriage.

Size - 8

Character - Integer

Coding

Follows the date format YYYYMMDD

spaces - not recorded

History

6.7 Field (towhom)

Description

Marriage to whom.

Size - 60

Character - Varchar

Coding

spaces - not recorded

History

7. TABLE (DEATHSNAM)

7.1 Comments

7.2 Field (lpno)

Description

see 1.3.2

Size - 12

Character - Varchar

Coding

spaces - not recorded

History

7.3 Field (sn_alias)

Description

Surname alias.

Size - 1

Character - Varchar

Notes - Aliases start form zero (0) and increment by 1 for each additional alias.

Coding

spaces - not recorded

History

7.4 Field (surname)

Description

Surname.

Size - 25

Character - Varchar

Coding

spaces - not recorded

History

8. DATABASE LAYOUT

The following is a list of tables and their fields in a shortened form. A bold faced field has an associated index.

8.1 deathchld

Column Name	Type	Length
lpno	char	12
child	char	52

8.2 deathdata

Column Name	Type	Length
lpno	char	12
r_year	intg	4
regnum	char	9
up_date	intg	8
sex	char	1
res_add	char	56
res_sub	char	20
res_pc	char	4
pod_code	char	4
pod_hosp	char	40
dob	intg	8
age	intg	3
age_text	char	3
aborigin	char	2
postmort	char	2
marital	char	1
dod1	intg	8
dod2	intg	8
dodcode	char	1
codcode	char	4
lga	char	5
occup	char	4
pob	char	4
absyear	char	1
regnprev	char	10
regnext	char	10
regnbir	char	10
regdate	intg	8
pod_add	char	250
pod_sub	char	32
pob_text	char	76
fathsnam	char	40
fathgnam	char	50
mothnam	char	40
mothgnam	char	50
occuptxt	char	100
inf_desc	char	1
inf_nam	char	50

inf_add	char	100
inf_pc	char	4
doctname	char	60
alivedat	intg	8
time_tot	char	3
time_wa	char	3
st_unkn	char	1
st_1	char	3
st_yrs_1	char	3
st_2	char	3
st_yrs_2	char	3
st_3	char	3
st_yrs_3	char	3
st_4	char	3
st_yrs_4	char	3
st_5	char	3
st_yrs_5	char	3
st_6	char	3
st_yrs_6	char	3
st_7	char	3
st_yrs_7	char	3
st_8	char	3
st_yrs_8	char	3
oth_unkn	char	1
codtext	char	1000
opertext	char	221
abs_aborig	char	1
abs_pm	char	1
plc_occ	char	1
act_code	char	1
firearm	char	1
antecedent	char	500
contrib_factors	char	300
op_performed	char	2
op_disease	char	100
preg_6_weeks	char	2
preg_12_months	char	2
injury_involved	char	2
injury_desc	char	100

8.3 deathgnam

Column Name	Type	Length
lpno	char	12
gn_alias	char	1
gn_no	char	1
gname	char	25

8.4 deathmar

Column Name	Type	Length
lpno	char	12
mar_pos	char	1
marregno	char	10

pom	char	60
dom	char	8
towhom	char	60

8.5 deathsnam

Column Name	Type	Length
lpno	char	12
sn_alias	char	1
surname	char	25

9. PROGRAM USAGE

9.1 Addlprg

addlprg adds lpno's to the end of the specified new record file file.

USAGE: addlprg -i deathraw death YYYYMMn

#Note: deathraw may change if format of raw file changes eg: deathraw_plus8

YYYYMM represents the year and month segment of the file that is to be read in by addlprg. File \$PROGDATA/death/max_lpno5.dat stores the starting point for the lpno to be assigned to the records.

INPUT: deathYYYYMMn.txt
OUTPUT: deathYYYYMMn.LPNO

9.2 Convdth5

convdth5

#Note: See note above

USAGE: convdth5 -i deathraw YYYYMMn

YYYYMM represents the year and month segment of the file.

INPUT: deathYYYYMM<n | c>.LPNO
OUTPUT: deathYYYYMM<n | c>.2
 deathYYYYMM<n | c>.CHLD
 deathYYYYMM<n | c>.GN
 deathYYYYMM<n | c>.MAR
 deathYYYYMM<n | c>.SN

User interaction: If the program finds an anomaly in the name of the record it is currently processing then the user will be prompted for the correction.

Pressing enter will accept the name as it is. Entering a “b” or “B” will blank the name. When entering a name the “|” symbol means an alias e.g. if “JAMES CHRISTIAN|JIM CHRISTIAN” is entered at the prompt then two names would be given for that person.

```
JAMES CHRISTIAN
JIM CHRISTIAN
```

When using typing a surname a “ ” means a literal space. When typing given names a “ ” represents a separator between given names a “.” represents a literal space.

9.3 Addyrsdth

addyrsdth calculates the number of years lived in Australia and the number of years lived in Western Australia.

USAGE: addyrsdth YYYYMM<n|c>

YYYYMM represents the year and month segment of the file that is to be read in by addyrsdth.

INPUT: deathYYYYMM<n|c>.2

OUTPUT: deathYYYYMM<n|c>.3

9.4 Newdthadd

newdthadd reads the original address field and creates two additional fields, address and suburb. It also applies a postcode where it can.

USAGE: newdthadd YYYYMM<n|c>

YYYYMM represents the year and month segment of the file that is to be read in by newdthadd.

UNPUT: deathYYYYMM<n|c>.3

OUTPUT: deathYYYYMM<n|c>.DAT

User interaction: At any stage the user may be requested to modify an address to make it fit the desired size, also they may be requested to provide a postcode if there is no reference of the place in question. In some instances it is possible to change the original address not just the suburb or address (this is done with the ‘#’ symbol). If an address is given but no suburb, use the ‘#’ symbol to change the original address and place a ‘,’ at the end. This will force the address to be placed in the address field. This is most useful when aboriginal communities are referenced, as they are generally too large to fit in the suburb field.

9.5 Loadth5

loadth enables a person, with the assigned privileges, to load death data into the database.

For further information refer to document **Loading the Monthly Death, Birth & Marriage Tapes from the Registrar Generals Office - Hobbs Database links System** -WA Data Linkage Project.

E:\documentation\Reading_Birth_Death_Marriage_Tapes.doc

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