



Civil Registration and Vital Statistics In Sultanate of Oman

Dr. Medhat K. ElSayed



Introduction

- A modern state started with the Omani Renaissance in 1970
- Interests to document births and deaths started gradually after 1970
- During early 80's age estimation for public employees
- Age may not be accurate for a considerable proportion of people above the age of 25 years
- Vital Registration was implemented in may 2004



Birth & Death Certificates

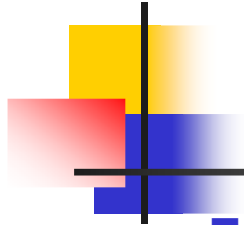
- Before May 2004
 - Ministry of Health (MOH) and other public hospitals issues certificates
 - Private Health Institutions: Notification of event to MOH
 - Home events: Notification of event by community leader (Sheikh – Wali) to MOH
 - Age estimation by MOH

- Royal Decree (66/99): Civil Status Law
 - October 1999
 - Implementation in May 2004

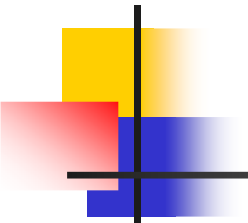


Civil Status Law

- October 1999
- Establishment of Directorate General of Civil Status (DGCS) at Royal Oman Police (ROP)
 - Develop the implementing regulations of the Law
 - Register civil status events
 - Events: birth, death, marriage, divorce, citizenship, residence
 - Issue certificates
 - Issue ID Cards



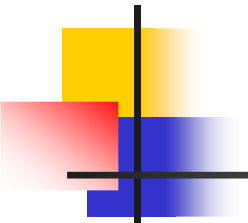
- Committee to instituted by “The Inspector General of Police and Customs”
 - Chaired by Director General of Civil status
 - Members represent the following ministries:
 - Ministry of National economy
 - Ministry of Interior
 - Ministry of Foreign Affairs
 - Ministry of Health
 - Ministry of Social Affairs, Labour & Vocational Training
 - Ministry of Justice
 - Ministry of education
 - Streamline the course of work in the Civil Register and contribute to its development

- 
-
- Birth and Death Notification forms to be developed by a body established by Minister of Health



Chapter 3: Births

- Notification of all births
- Notification should be made to registrar in the Sultanate (or the Omani Mission in the country if outside the Sultanate)
- Notification within 2 weeks (if inside the Sultanate or after arrival) or 3 months if births takes place outside the Sultanate
- Informants with legal responsibility to notify birth (in order)
 - Father if he was present
 - Any adult (relative - closest) present at delivery
 - Any adult occupant of the same house as the mother of the newborn
 - The doctor or authorized person who delivered the baby
 - Directors of institutions (e.g. hospitals, maternity centers, prisons, quarantines, others) where birth takes place
 - Community leader (headman or chief of district – Sheikh – wali)
 - Mother

- 
-
- Notification of birth should include the following:
 - Day, date both Georgian and Hijri (in numbers and alphabetical), time and place
 - Sex of newborn (male – female) and name
 - Both parents: name, civil number, tribe, nationality, religion, address, occupation
 - In case of twins each should have an individual notification



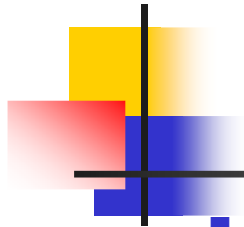
Health related data

- Minimal set of health related data for births (not required by law)
 - Live birth or Still birth
 - Age of mother and father
 - Cause of death for stillbirth; in fetus and in mother
 - Mode of Delivery
 - Birth weight
 - Consanguinity
 - Gestational period
 - Number of twins, order among twins
 - Educational level of mother
 - Delivery (birth) attendant
 - Birth interval
 - Gravidity, previous stillbirths, previous live births, still living



Chapter 5: Deaths

- Notification of all deaths
- Notification should be made to registrar in the Sultanate (or the Omani Mission in the country if outside the Sultanate)
- Notification within 7 days (if inside the Sultanate or after arrival) or one month if death takes place outside the Sultanate
- Informants with legal responsibility to notify death (in order)
 - Ascendants, Descendants or spouse of deceased
 - Any adult (relative - closest) present at death
 - Any adult occupant of the same house as the deceased
 - Community leader (headman or chief of district – Sheikh – wali)
 - The doctor who checked the deceased
 - Directors of institutions (e.g. hospitals, maternity centers, prisons, quarantines, others) where death takes place



- Notification of birth should include the following:
 - Place, time, day, date both Georgian and Hijri (in number and alphabetical)
 - Deceased: name, tribe, sex (male – female), nationality, religion, address & occupation
 - Deceased: age, place & date of birth, civil number, place of registration if known
 - Name and tribe of father and mother, if known
 - Informant: name, address and relation to deceased
- Unidentified dead bodies are to be notified by ROP describing age, sex, description of deceased and cause of death
- General Prosecution should notify death of persons executed within 24 hours of the execution
- Permission of burial only if criminal or suspected death



Health related data

- Minimal set of health related data (not required by law)
 - Cause of death (underlying, direct, other diseases)
 - Maternal death



Notification of Births and Deaths

- Establishment of a System of notification of vital events
 - Identification of all possible sources of notifications
 - One notification system
 - Birth & Death Notification Forms :Consider requirements of CS Law and health sector
 - Notification path

Possible sources of Notifications

Place of birth or death	Source of notifications
MOH Hospitals & HC	MOH health institutions
AFMS Hospitals and dispensaries	AFMS health institutions
ROP Hospitals and dispensaries	ROP health institutions
SQU hospital & HC	SQU hospital
Private hospitals & clinics	Private health institution
Home	Community leader (Sheikh – Wali)
Factories, companies, roads, transportation	Nearest health institution –with ROP
Outside Oman	Omani mission in country where event

Notification of Birth

- A Notification of birth form was developed
 - Satisfying law requirements
 - Adding health related data

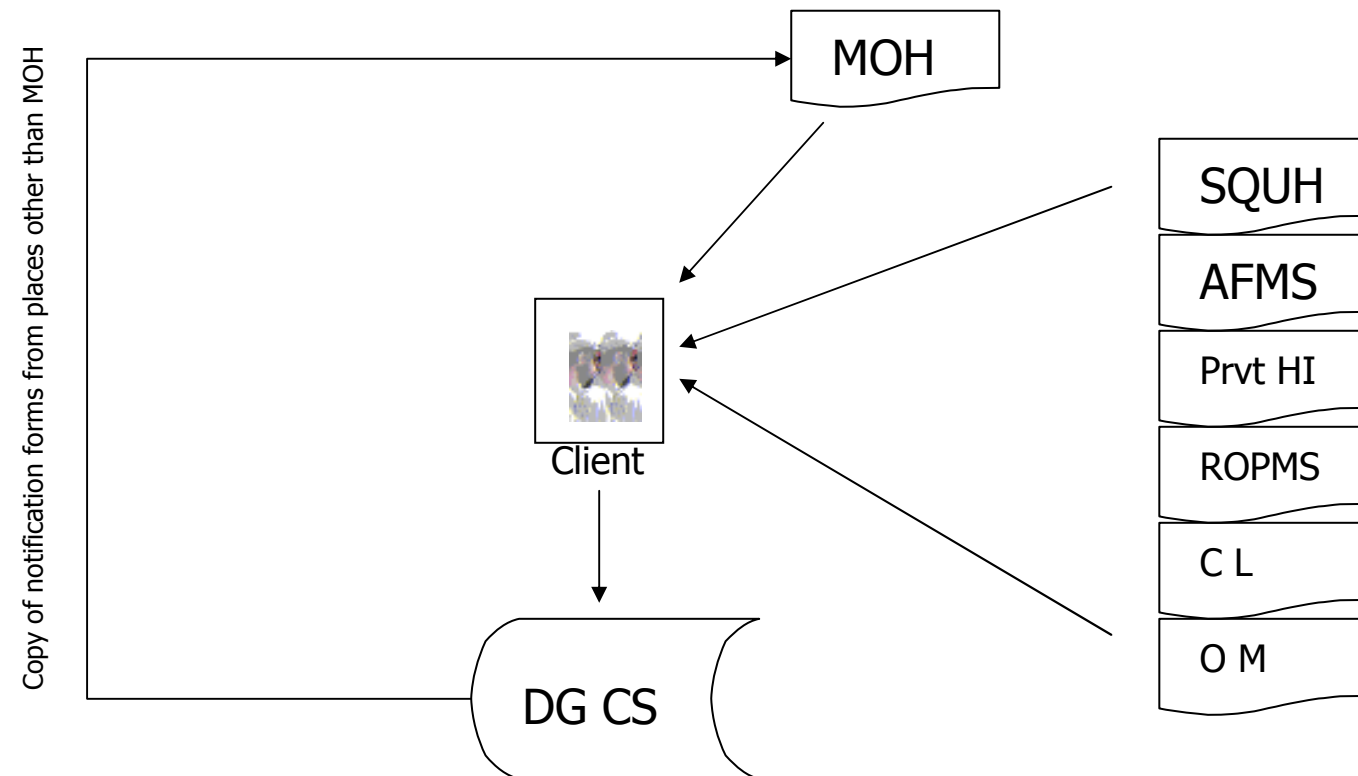
Notification of Death

- A Notification of death form was developed
 - Satisfying law requirements
 - Adding health related data

The form is titled "Sultanate of Oman Ministry of Health" and "استمارة تليغ عن وفاة Notification of Death Form". It includes fields for:

- Notification Date: تاريخ التليغ
- Form Serial No. رقم السلسلة
- Deceased's Name: اسم المتوفي بالكامل (First, Second, Third, Title)
- Deceased's Details: Nationality, Religion, Date of Birth, Place of Birth, etc.
- Time of Death: وقت الوفاة (Minute, Hour, Day, Time)
- Place of Death: مكان الوفاة
- Applicant's Name: اسم المتليغ (First, Second, Third, Title)
- Applicant's Details: Relationship to Deceased, Address, etc.
- Signature: توقيع
- Cause of Death: سبب الوفاة (Direct Cause, Maternal Death, etc.)

Flow of Notifications



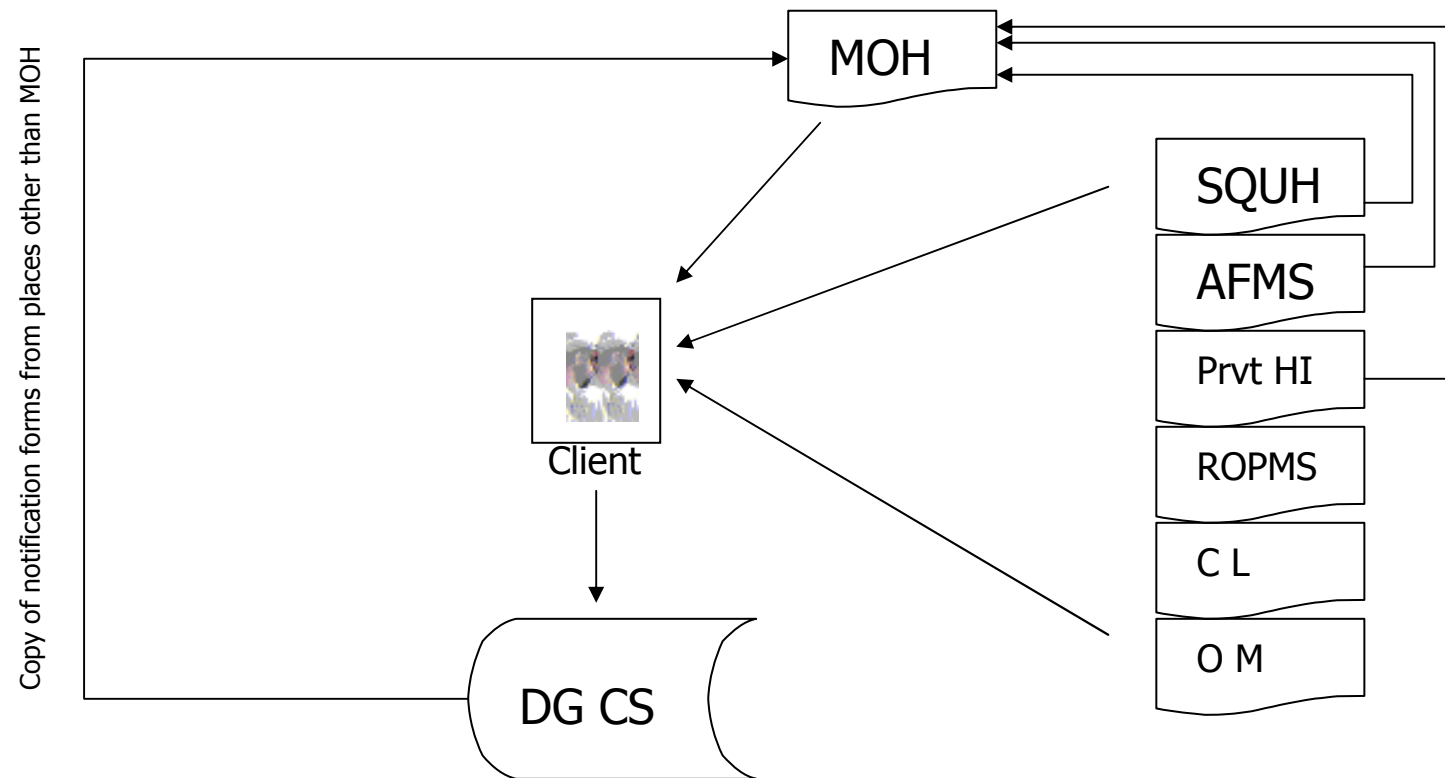
MOH: Ministry of Health; AFMS: Armed Forces Medical Services; Prvt HI: Private Health Institutions; ROPMS: Royal Oman Police Medical Services; CL: community leaders; OM: Omani Missions



Notification database

- MOH has a database parallel to that of DGCS
- MOH database was installed in SQUH, AFMS, and major private health institutions
 - Send data electronically directly to MOH database

Flow of Notifications



MOH: Ministry of Health; AFMS: Armed Forces Medical Services; Prvt HI: Private Health Institutions; ROPMS: Royal Oman Police Medical Services; CL: community leaders; OM: Omani Missions

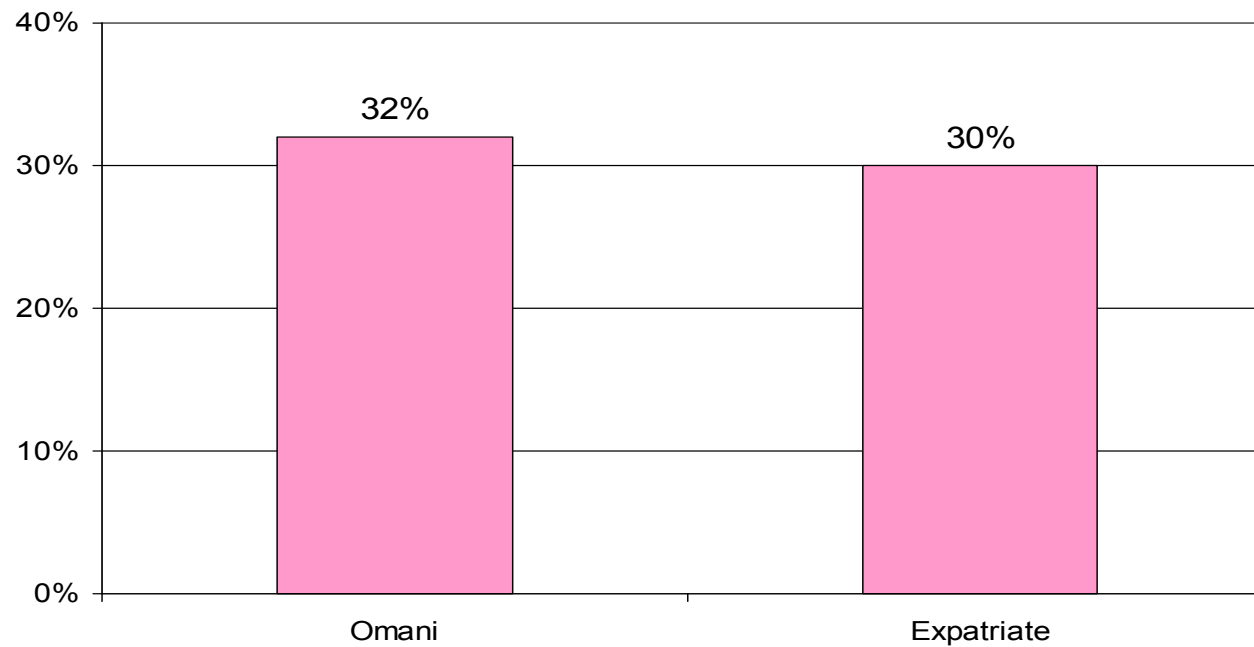


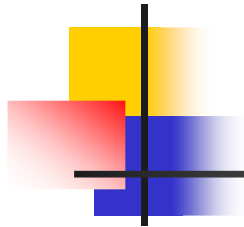
Assessment of 2006 Data from Vital Events Notification

- Missing segregation information
- Pattern according to age
- Completeness (coverage)

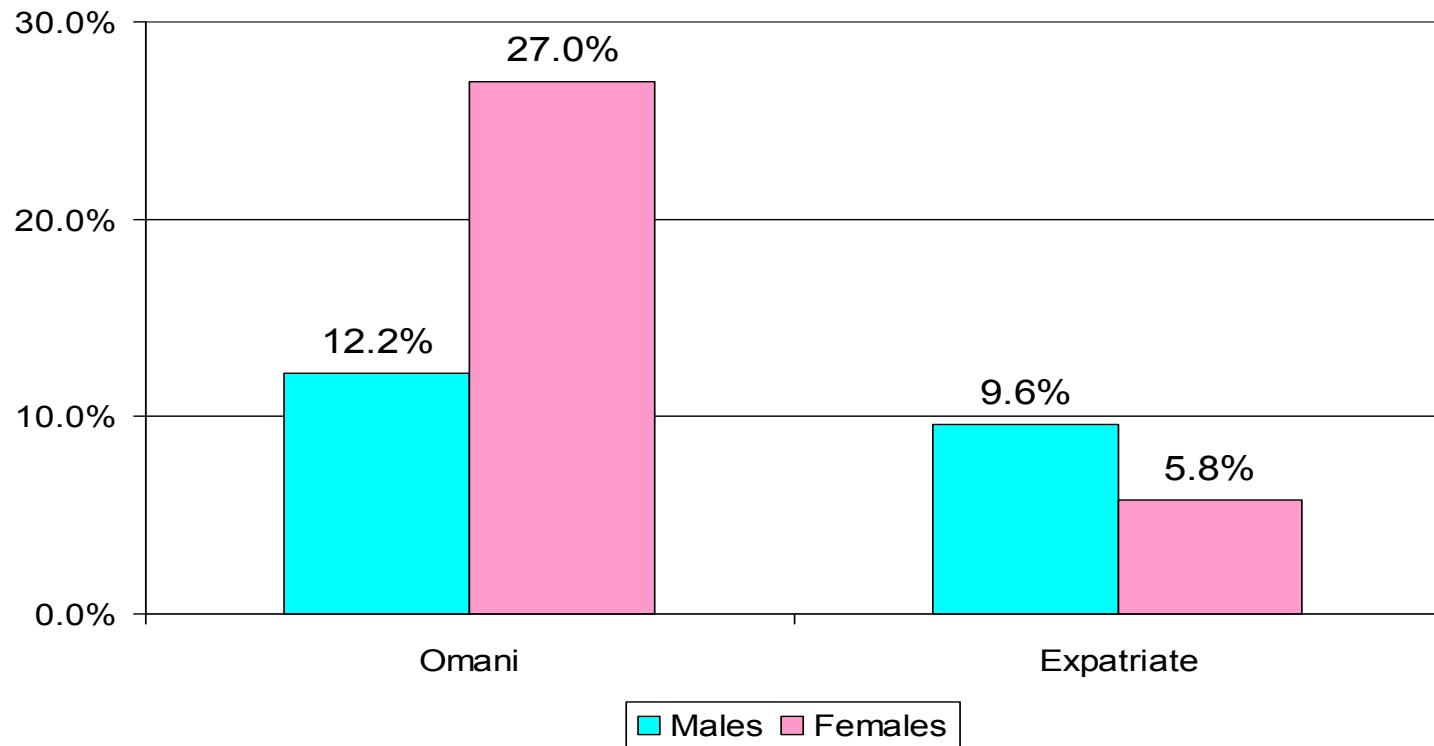
Segregation of information

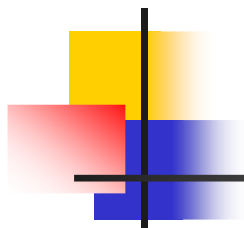
Gender unknown for 30% of notified deaths



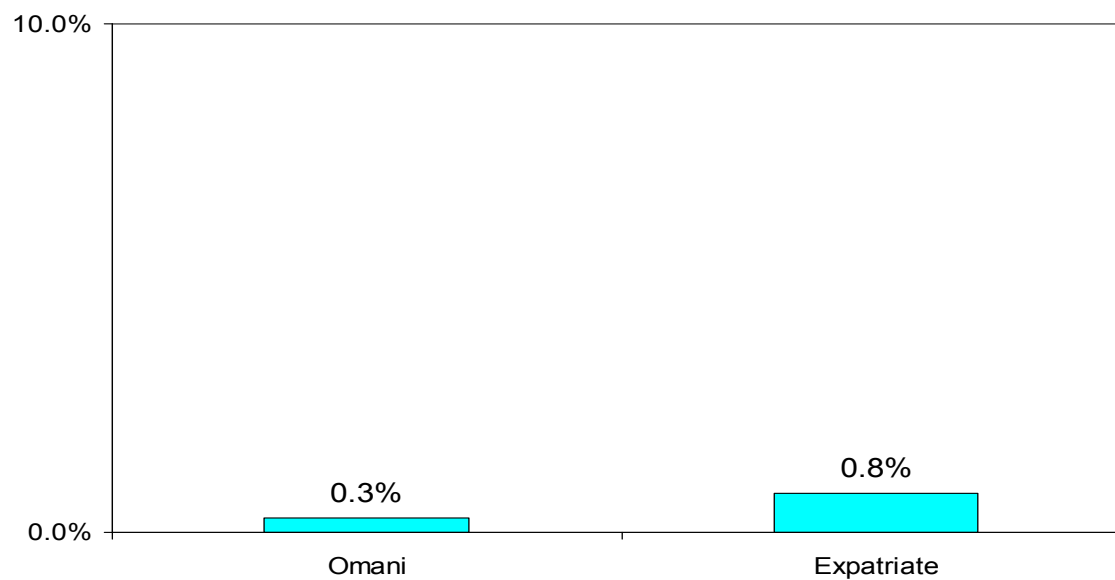


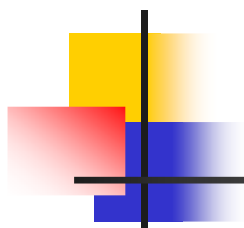
Unknown age of notified deaths



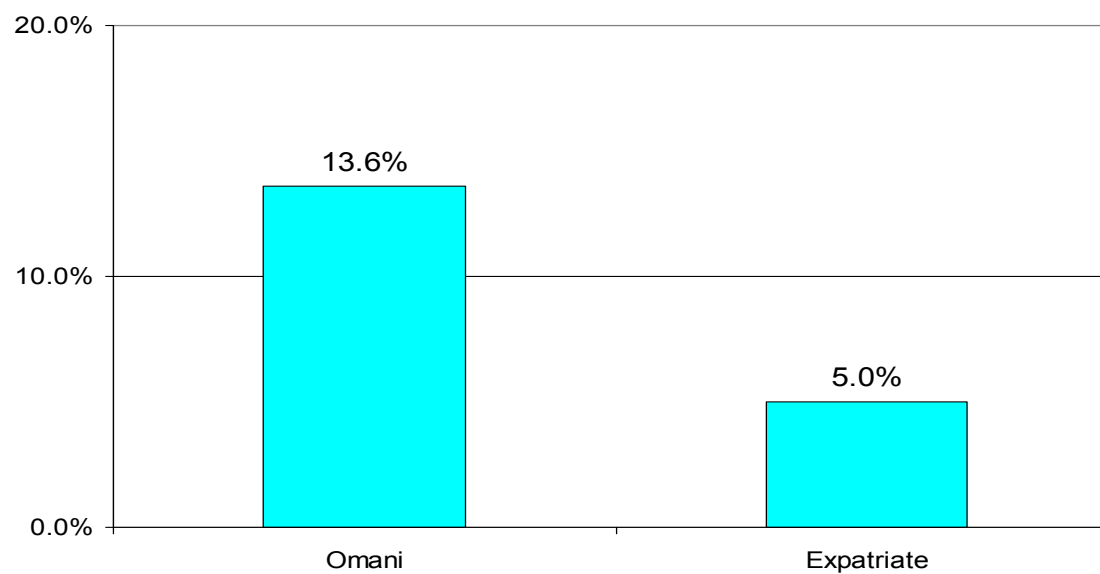


Sex of newly born un reported

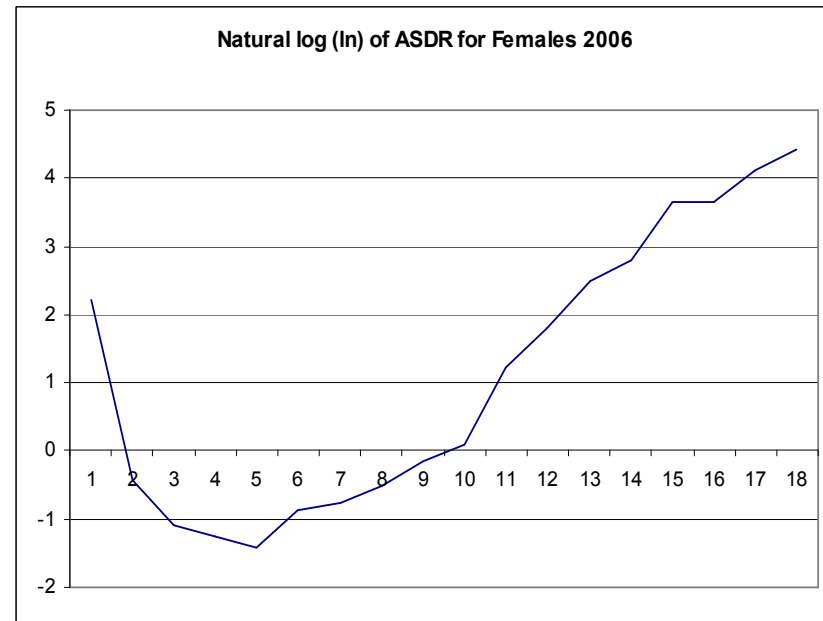
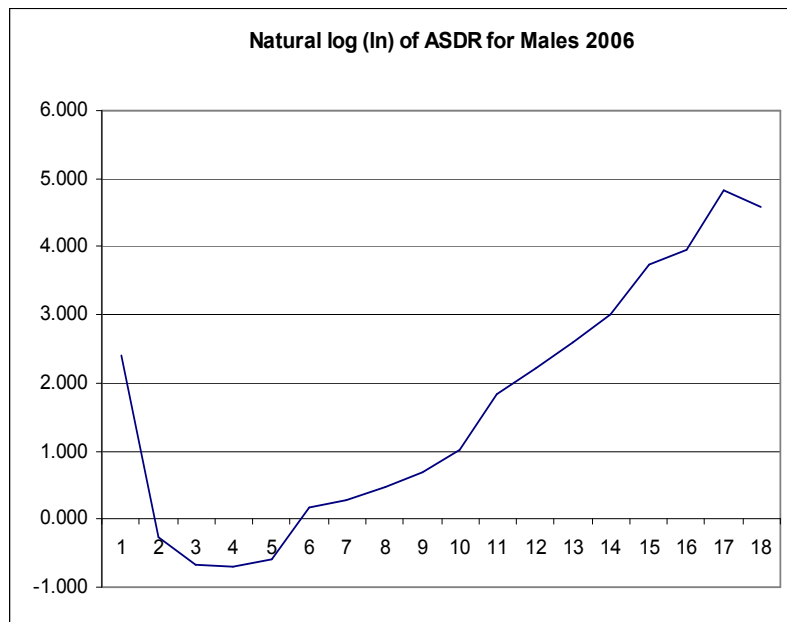




Un-reporting age of mother for newly born

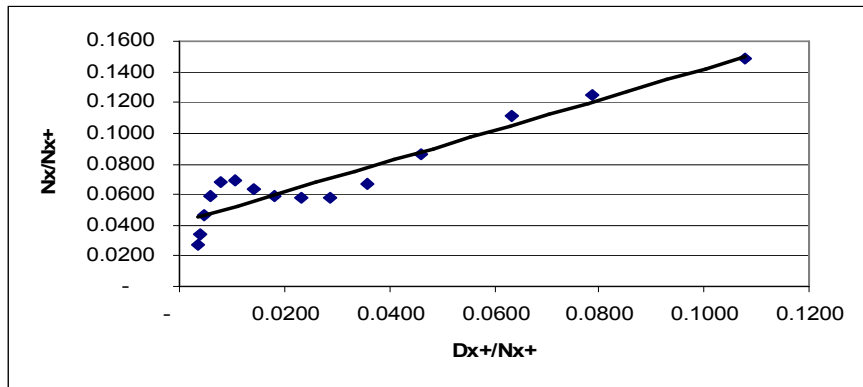


Pattern according to Age and Sex

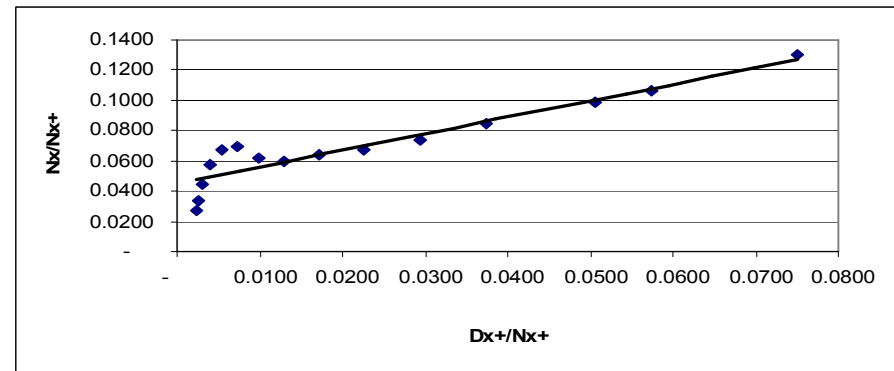


Completeness or Coverage

Using Brass's Growth Balance Method
(preliminary analysis)



Males
Coverage 98%



Females
Coverage 97%



Mortality Estimates

	Omanis			Expatriates		
	Males	Females	Overall	Males	Females	Overall
CDR (/1000 pop)	3.4	2.3	2.9	1.2	1.1	1.2
IMR (/1000 lb)	11	9.2	10.1	9	7.1	8.1
U5MR (/1000 lb)	13.8	11.8	12.8	13.5	6	12.9
e₀ years	70.4	74.9	72.6	81.9	81.2	81.6

CDR: Crude Death Rate, IMR: Infant Mortality Rate, U5MR: Under 5 Mortality Rate, e₀: Life expectancy at birth



Fertility Estimates

	Omanis			Expatriates		
	Males	Females	Overall	Males	Females	Overall
CBR (/1000 pop)	24.6	23.7	24.2	3.7	13.4	5.7
Sex ratio (/100 females)			105.8			101.7
TFR (/women 15-49)			3.19			1.03
GRR (/women 15-49)			1.55			0.51
NRR (/women 15-49)			1.51			0.50

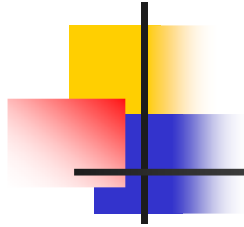
CBR: Crude Birth Rate, TFR: Total Fertility Rate, GRR: Gross Reproduction Rate, NRR: Net reproduction Rate



Obstacles and challenges

- Notifications by Community Leaders
 - Need to assess completeness
 - Data on notification forms need to be completed especially health related data
 - Cause of death is an issue to consider

- Burial permit
 - No burial permit is required
 - Can affect completeness of death registration



- Cultural believes and attitudes for registration
 - Age estimation has been practice for a long time
 - Changes in believes about importance for registration

- Cause of death data
 - Physician and coders need training
 - Deaths outside health facilities: DOA, A&ED, Notified by CL