

CHAIR Pilot Project (the beginning)

CHAIR is a recommendation of the 1999 Report of the Cardiovascular Health Strategy 'Building Healthier Hearts' .

A pilot study for the development of a hospital based register should proceed immediately....The lessons from this should be used to establish a national hospital based register of coronary care.

CHAIR Project Aim

The aim of the Coronary Heart Attack Ireland Register (CHAIR) project is to gather information on hospital patients admitted with suspected or confirmed acute coronary syndromes (ACS) in order to improve the delivery of health care and to improve patient outcomes.

CHAIR Objectives

- to record, describe and analyse registered patient demographics, diagnostic and treatment details and hospital outcomes;
- to facilitate the development of strategies to improve the quality of ACS patient care; and
- to contribute towards the development of a national plan for the in-patient and community management of patients with ACS.

Purpose of the CHAIR Pilot

The purpose of the CHAIR pilot project is to implement a registry in the eight hospitals, with coronary care facilities, in Cork/Kerry to:

- assess the feasibility and scope of implementing a similar project on a national basis; and
- test and refine the data collection procedures and pilot CHAIR software and hardware to effectively and efficiently record relevant data and provide relevant analysis.

What CHAIR data is/can be used for

- Demographics –describing the ACS patient (age, sex, etc)
- Risk Factors –gauging the risk of mortality/morbidity
- Performance Measurement –measuring against national and/or internationally recognised guidelines, such as, ‘door to needle’ time, etc.
- Outcomes analysis – describing clinical endpoints
- Other research –measuring of utilisation, length of stay, etc.

CHAIR Pilot Project description

- The CHAIR Pilot is running in the 8 acute hospitals (public, voluntary and private) in Cork and Kerry (1st hospital Oct 2002 – 8th hospital April 2003).
- Each hospital has a CHAIR registration officer (full-time or part-time).
- Data is anonymised and downloaded regularly to the central database located in Dublin.
- Local and central reports are produced.
- External evaluation is almost complete.
- Pilot will run until 31 December 2005.

CHAIR registry participants (registrations to 1 March 2005)

- 8261 admissions
- 7125 patients

CHAIR Pilot Data recorded

- Patient and General Demographics
- Admission details
- Thrombolysis details
- Risk Factors (behavioural and physiological)
 - ◆ Smoking
 - ◆ Lack of Exercise
 - ◆ History of CHD
 - ◆ Hypertension (high blood pressure)
 - ◆ High Cholesterol
 - ◆ Diabetes
- Clinical – investigations and procedures
- Medications (on Discharge)
- Discharge details

CHAIR Pilot software screen - demographics

[Patient] Patient Search Patients Options About Exit

Save / Update Show Admissions Cancel / Close

Med Rec No 576567 **PPSN** []
Other Med Rec No []

Title Miss Sex [] **DOB** 12 / 04 / 1981
Surname ODEA **FirstName** JULIE

Address 5 CHERRYFIELD PARK AreaCode 16
Town \ City BALLYFERMOT County South Dublin and County | 0 Tel. No. []

Marital Status Apart | 5 Empl. Status Full Time Employed | 6 Healthboard ECAHB - East Coast Area |
Educ. Status No Formal Education | 1 Soc.Ec.Grp. Managerial and Technical | HealthCover None | 1
Occupation PROJECT MANAGER Work Tel. No. []

NEXT OF KIN **GENERAL PRACTITIONER** **PATIENT HISTORY**

| | | |
|------------------|--------------------------------------|---------------------------------------|
| Relationship [] | GP Duffy, Michael 0004 | Personal Hx (Risk Factors) [] |
| Surname [] | New GP [] | Family Hx [] |
| First Name [] | GP - Duffy, Michael (5555555) | Comments [] |
| Address1 [] | Phone: [] | |
| Address2 [] | | |
| Address3 [] | | |
| Tel.No. [] | | |

25/04/2002 4:25 PM

CHAIR Pilot software screen – admission data

CHAIR - [Admissions]

Patient Search Patients Options About Exit

Hosp.No: **567899** Name: **AARDVARK, AARON** DoB: **12/05/1977**
Address: **27 STONE AVE, DOUGLAS** New Admission Admissions / Inv.

Admit.Dates
02/07/2002

Patient Visit Record Delete Admission Save Admission

Admission Date/Time 02/07/2002 **Discharge Date/Time** 02/07/2002
Admission Location CCU/ICU | 1 **Consultant** Test Consultant | CHM_02

1. Admission Details | 2. Thrombolysis | 3. Risk Factors | 4. Clinical | 5. Investigations | 6. Medications

Prev Admission YR [On Chair]

Admission Source A&E | 4 **Transfer To**
Admission Diagnosis Chest Pain (Possible Car
Transport to Hospital Car | 2
Days in CCU 0 > 12 hrs - 1 day < 12 hrs - 1/2 day
[Automatically Calculated Before Discharge Dt Entered]

| Location | Date |
|----------|------------|
| CCU/ICU | 02/07/2002 |
| | |
| | |

Discharge Diagnosis Del Add
Arrhythmia

Outcome On Discharge Home | 2

Comments

Co-Morbid Condition Patient Eligible and Consented For Follow-Up

CHAIR REGISTER 20/09/2002 10:32 AM

CHAIR Demographic data collection

Field: Sex

1. Male
2. Female
3. Unknown

Collection difficulty? No

Field: Date of Birth

ddmmyyyy

Collection difficulty? No

CHAIR Demographic data collection

Field: Marital Status

1. Married
2. Single
3. Widowed
4. Divorced
5. Apart
6. Other
7. Not specified

Collection difficulty? Occasionally (when admissions have not indicated marital status on the admissions form).

CHAIR Demographic data collection

Field: Health Cover

- 1.None
- 2.GMS
- 3.VHI
- 4.VIVAS
- 5.BUPA
- 6.Other
- 7.Unknown

Collection difficulty? Sometimes records will show either 'private ' or 'public' with no further detail.

CHAIR Demographic data collection

Field: Educational Status

- 1.No Formal Education
- 2.Primary
- 3.Secondary
- 4.Tertiary Technical
- 5.University
- 6.Other
- 7.Unknown

Collection difficulty? Yes

CHAIR Demographic data collection

Field: Employment Status

1. Unemployed
2. Student
3. Retired
4. Household duties
5. Part Time Employed
6. Full Time Employed
7. Disability Benefit
8. Other
9. Unknown

Collection difficulty? Yes – can often be left blank on admissions forms. Often also may state ‘retired’ on one form and ‘semi-retired’ elsewhere in the medical record.

CHAIR Demographic data collection

Field: Occupation

General Text

Collection difficulty? Yes – often recorded by admitting staff as 'retired', 'OAP' or 'Unemployed'. Occasionally left blank on admissions record.

CHAIR Demographic data collection

Field: Social Class

1. Professional Worker
2. Managerial & Technical
3. Non Manual
4. Skilled Manual
5. Semi Skilled
6. Unskilled
7. Unknown

Collection difficulty? Yes. Attempt to derive this from CSO list but it is difficult with many occupations, such as, 'farmer', 'county council employee' and 'factory worker'. Retired people and 'household duties' people are often reluctant to give former occupation.

CHAIR Pilot Project

Thank you

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