

Indicators for Intervention (IFI) Project: An Allied Health Collaborative

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What is an IFI?

- Indicator for Intervention (IFI)
“...is a service provider description of the characteristics of the individual or population which indicate need for intervention (p. 13).”

[Report on the Development of Allied Health Indicators for Intervention (IFI) and Performance Indicators (NAHCC, 2000)].

Origins of the IFI

Development of a Minimum Data Set

- Allied Health Professions
- Client details and diagnosis if available
- Health Activity Hierarchy: CC - Clinical care - IPA, NIPA; CSM - clinical services management; TT and R
- Allied Health Intervention Codes: NAHCC Report into ICD-10-AM
- Indicator for Intervention

Origins of the IFI - 2

Uses of the IFI:

- Allied Health Service Weight (costing)
 - An Allied Health Service weight is a statistical device which quantifies the proportion of total DRG resources (mainly time) that Allied Health contribute
- Performance Indicators Model
 - A way of identifying the various AHP contributions to healthcare outcomes within the bigger picture.

Rationale for IFI

- In the context of funding (e.g., Casemix), accurate costing and prediction were vital.
- AH wanted a patient descriptor that better predicted involvement.
- Second driver for IFI was the focus on outcome measures and AH contributions.
 - Diagnosis did not set a basis for outcomes.
 - A behavioural descriptor that better explained reason for AH intervening also set a basis for measuring change.

Current Project

Stage 1 (2005/2006)

- Review and revise code set
- Seek profession support (Reference Groups)
- Design pilot project

Stage 2 (2006/2008)

- Write coding manual
- Recruit hospitals and AH professionals
- Conduct pilot (test code set and complete reliability study)
- Report to DoHA

IFI – Allied Health Professions

- Eleven Allied Health Professions were involved in the development of IFI:
 - Audiology
 - Dietetics
 - Exercise Physiology
 - Occupational Therapy
 - Orthoptics
 - Orthotics & Prosthetics
 - Physiotherapy
 - Podiatry
 - Psychology
 - Social Work
 - Speech Pathology

The IFI Revisited and the ICF

- The ICF is an internationally recognised and validated classification system for coding functioning rather than diagnosis (sibling of ICD)
- It uses a bio-psycho-social model to help conceptualise and measure health and health related issues.
- This system ascribes a code for each client/patient dependent on their problems using a hierarchical approach.
- It is focused on patient characteristics of real or potential disability and the interplay of person factors and environment factors.

Project IFI Coding rules

- Only 3 digit codes being used
- No qualifiers at this stage
- Only one session coded per patient.
- Second code option available

Current Project Process

- At the end of first session, or a selected session, allocate a code for that session
- Use desk top icon to record data or hard copy sheet
- Six months coding
- Reliability study via on-line system
- Two major questions of the project:
 - Can practitioners use the code set
 - How reliably do members of a profession code case studies

IFI Coding Manual

IFI Coding Manual has been developed.

- How to code IFI
- Discipline Specific Code Sets
- Case studies by profession
- Quick Reference Guide

Project Update - Overview

- **Total Number of currently participating AH: 387**
- **Completed IFI entries: 4856**



Health Centres in the Pilot Project

Tas: Royal Hobart Hospital

- 801 entries, 40 Professionals

Audiologists	1
Dieticians	1
Occupational Therapists	3
Orthoptists	1
Physiotherapists	19
Podiatrists	2
Prosthetists & Orthotists	4
Psychologists	6
Social Workers	2
Speech Pathologists	1

Vic : Southern Health

- 824 entries, 42 Professionals

Exercise Physiologists	1
Dieticians	6
Occupational Therapists	6
Physiotherapists	2
Podiatrists	2
Prosthetists & Orthotists	4
Psychologists	16
Social Workers	2
Speech Pathologists	3

Vic Regional: Barwon Health

- To begin coding, 31 professionals (more to train over coming weeks)

Audiologists	4
Dieticians	2
Occupational Therapists	6
Physiotherapists	8
Social Workers	6
Speech Pathologists	5

SA: Lyell McEwin

- 754 entries, 14 professionals

Prosthetists & Orthotists	1
Podiatrists	1
Dieticians	2
Occupational Therapists	3
Physiotherapists	3
Social Workers	2
Speech Pathologists	2

ACT: The Canberra Hospital

- 191 entries, 73 professionals

Exercise Physiologists	3
Dieticians	3
Occupational Therapists	28
Physiotherapists	21
Podiatrists	6
Prosthetists & Orthotists	3
Psychologists	4
Social Workers	3
Speech Pathologists	7

NSW: Hunter New England Health

- 588 entries, 79 professionals

Dieticians	9
Occupational Therapists	16
Physiotherapists	22
Social Workers	19
Psychologists	3
Speech Pathologists	10

Qld: Mater Allied Health

- 673 entries, 31 professionals

Audiologists	2
Orthoptists	2
Dieticians	4
Occupational Therapists	8
Physiotherapists	5
Social Workers	5
Speech Pathologists	5

Qld: Townsville

- 471 entries, 46 professionals
 - Psychologists - 37
 - Speech Pathologists - 9

Other Sites

- **The Royal Children's Hospital (Vic)**
 - 7 Prosthetists & Orthotists
 - 297 entries
- **The Victorian Eye and Ear Hospital**
 - 7 Orthoptists and 3 Audiologists
 - 228 entries
- **Royal Adelaide Hospital and Austin Health (Vic)**
 - 6 Exercise Physiologists

Profession Representation

Audiologists	10
Dietitians	28
Exercise Physiologists	9
Occupational Therapists	69
Orthoptists	10
Physiotherapists	82
Podiatrists	11
Prosthetists & Orthotists	16
Psychologists	68
Social Workers	40
Speech Pathologists	40

Data Entries by Profession

Audiologists	80
Dieticians	451
Exercise Physiologists	77
Occupational Therapists	796
Orthoptists	339
Physiotherapists	1034
Podiatrists	237
Prosthetists & Orthotists	357
Psychologists	382
Social Workers	463
Speech Pathologists	581

Frequently Used Codes - 1

Profession	Code & Entries	Title
Audiology	b230 (63)	Hearing Functions
	s250 (41)	Structure of middle ear
Dietetics	b530 (199)	Weight maintenance Functions
	b540 (84)	General Metabolic Functions
	b510 (64)	Ingestion Functions
Exercise Physiology	b455 (36)	Exercise Tolerance Functions
	b280 (15)	Sensation of Pain
	b735 (12)	Muscle Tone Functions
Occupational Therapy	d230 (401)	Carrying out daily routine
	e115 (67)	Products and technology for personal use and daily living
	d465 (58)	Moving around using equipment

Frequently Used Codes - 2

Profession	Code & Entries	Title
Orthoptics	b210 (199)	Seeing functions
	b215 (41)	Functions of structures adjoining the eye
	b220 (25)	Sensations associated with the eye and adjoining structures
Physiotherapy	d450 (213)	Walking
	b440 (164)	Respiration (breathing)
	b710 (153)	Mobility of joint functions
Podiatry	b810 (77)	Protective functions of the skin
	b860 (37)	Function of nails
	b280 (36)	Sensation of pain

Frequently Used Codes - 3

Profession	Code & Entries	Title
Prosthetics & Orthotics	e115 (130)	Products and technology for personal use in daily living
	b715 (38)	Stability of joint functions
	b770 (29)	Gait pattern functions
Psychology	b152 (169)	Emotional Functions
	d760 (36)	Family relationships
	b164 (32)	Higher level cognitive functions
Social Work	b152 (90)	Emotional functions
	d230 (52)	Carrying out daily routine
	d240 (52)	Handling stress and other psychological demands

Frequently Used Codes - 4

Profession	Code & Entries	Title
Speech Pathology	b510 (395)	Ingestion Functions
	b167 (84)	Mental functions of language
	b320 (76)	Articulation functions

NAHCC

- More information about the NAHCC and IFI Project can be found at: www.nahcc.org.au
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Thank you for coming!