

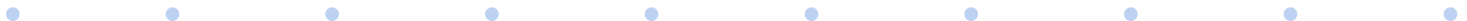


eNomad

Access to E-Health information for the eNomad

Tony Stiller

Central Queensland University Brisbane International Campus





eNomad

The Future is e-Health

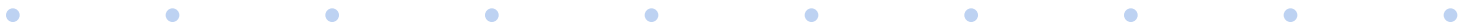
Across Australia there is a groundswell of support for a better, more connected healthcare system. More than 80 percent of Australians are in favour of electronic health records and are increasingly aware of the safety and quality benefits that e-health can deliver.



eNomad

Contention

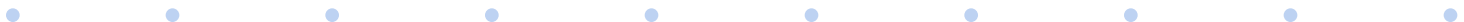
The adoption, use and impact of ICTs to gain access to digital health records by health industry and (*all Australians*) as a tool to improve information literacy and informed decision making.





Grey Nomad

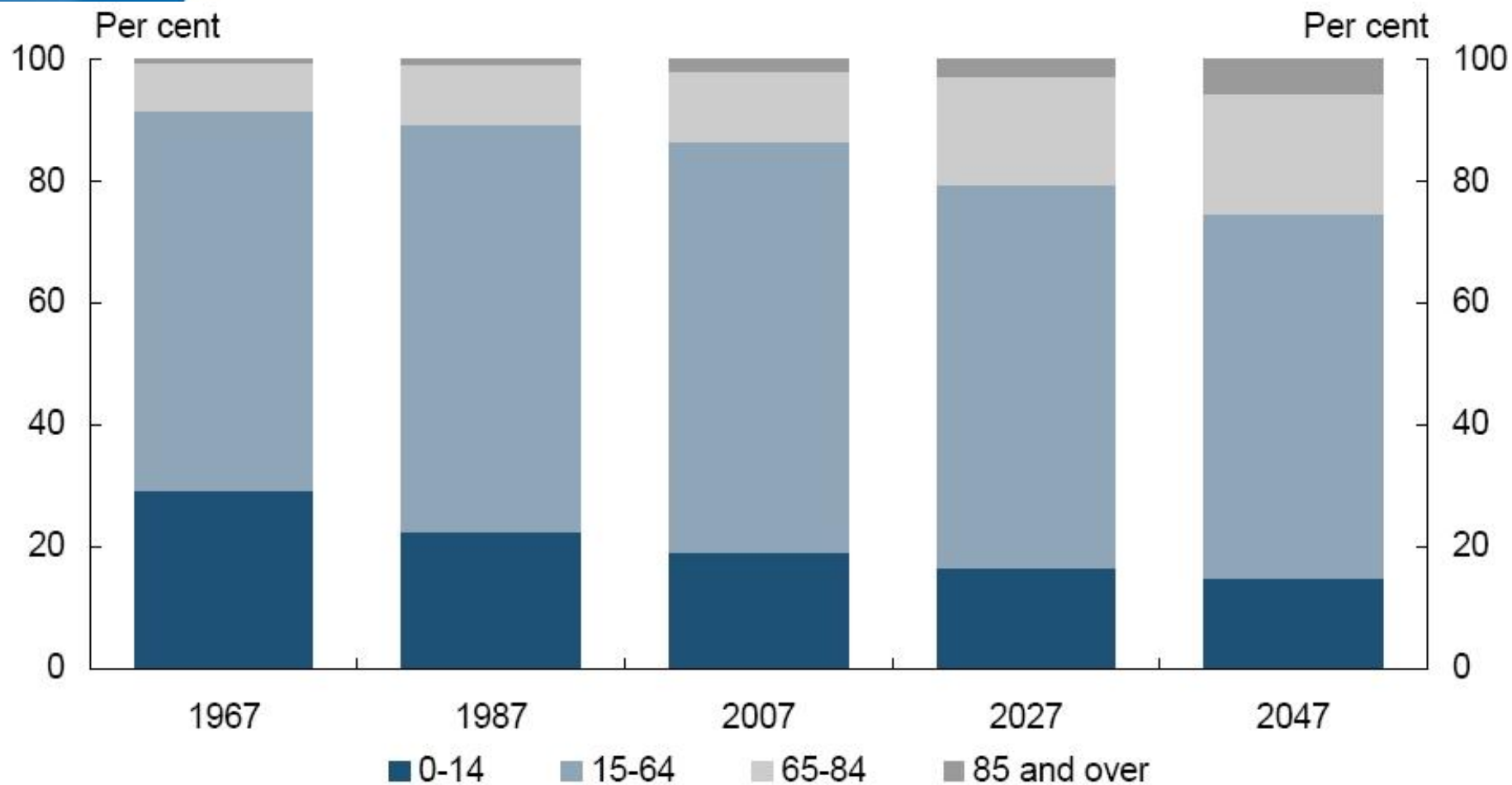
‘semi-retired, or retired people who travel for all, or part of the year, throughout Australia [*and*] generally seen as being aged 55 and over’.





eNomad

Projected Age Distribution



Source: Australian Bureau of Statistics Historic Australian Population Statistics 3105.0.65.001 Table 19 and Treasury projections.



eNomad

**Grey Nomad
21% of females and 32% of
males experienced a health
incident during the 2 year period
of their study.**

Obst et al., 2008





Grey Nomad

Their major concern was reaching medical assistance in a timely manner.

Sever chest pains, back injuries, deep vein thrombosis, severe arthritis, cervical cancer diagnosis, pneumonia, and fainting fits.

Obst et al., 2008

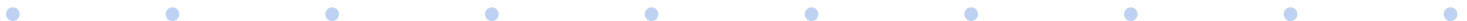




eNomad

eNomad

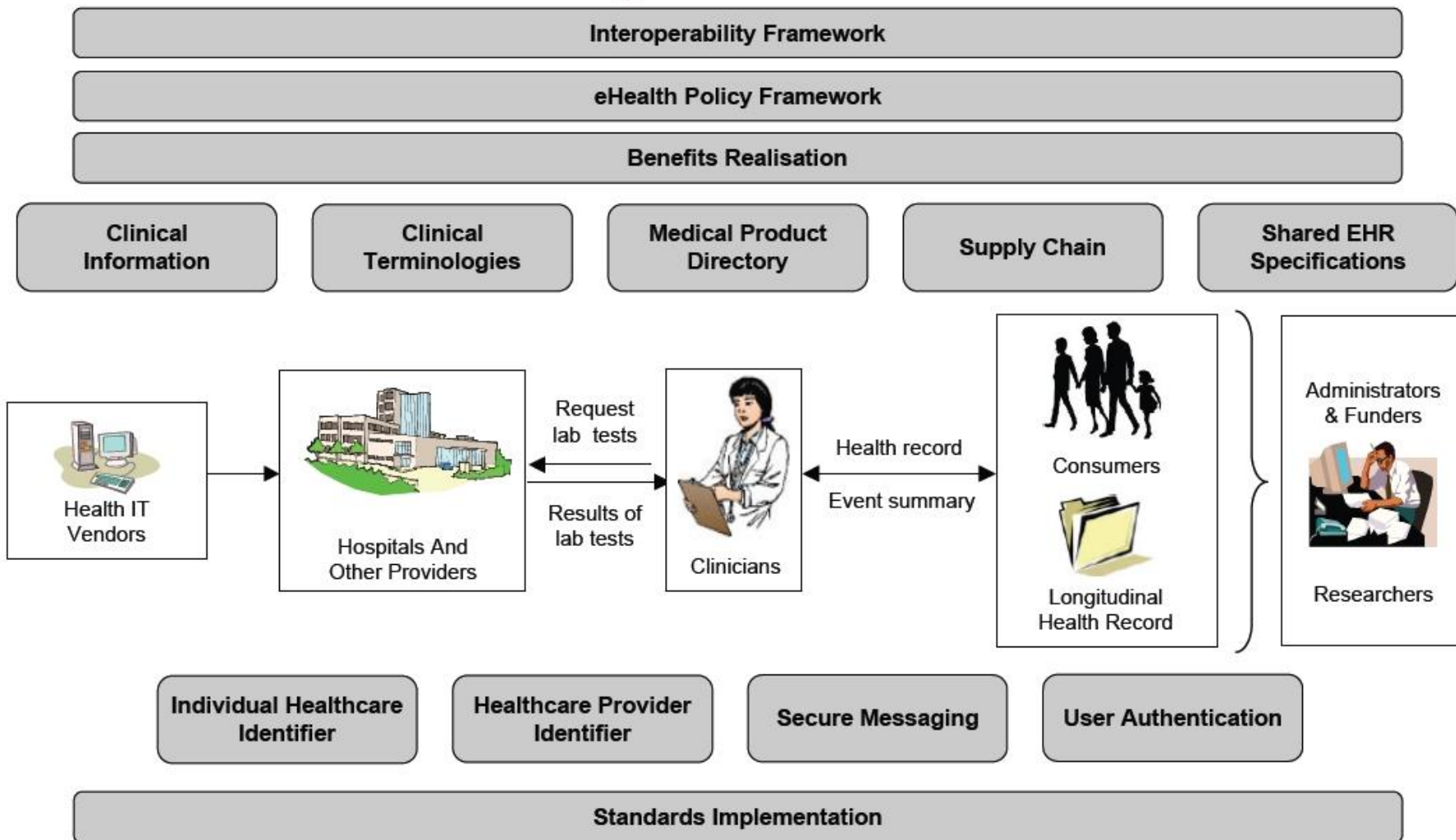
‘using ICTs to communicate and interact with other members of family and society as they travel to places of choice’.





National eHealth Transition Authority (NEHTA)

eNomad





eNomad

Individual Healthcare Identifiers (IHIs)

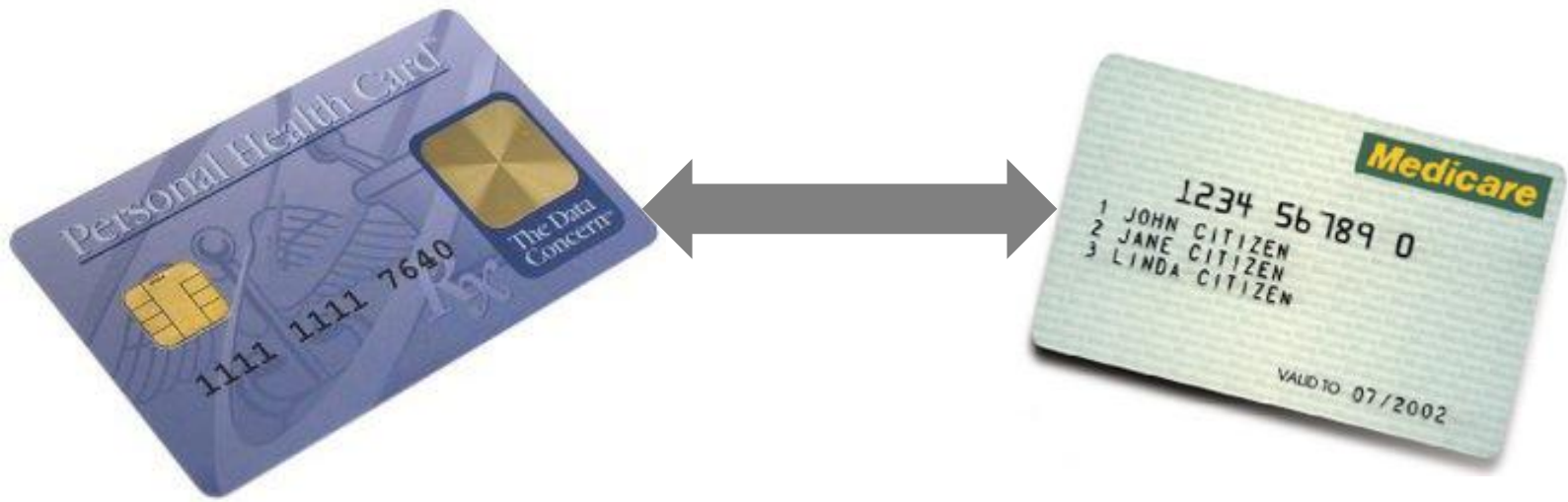
“The 16-digit health number is a “building block” towards national electronic health records, which will be eventually shared among health professionals.”

Minister for Health and Ageing, Nicola Roxon (2009)



eNomad

Individual Health ID Number



Link a Medicare number, person's name and address to correctly match health information across multiple networks



eHealth Tools

eNomad

“how useful tools like electronic health records, medications-management systems and electronic clinical messaging (discharge, referrals, pathology, and prescriptions) will help improve delivery of health care – particularly when patients are being cared for by multiple providers.”

Minister for Health and Ageing, Nicola Roxon (18th January 2010)

Access to Health Records

e-Nomad



Patient Details	Patient ID	
Patient Overview	Last Name	DRANT
Codification - Diagnose	Middle Name	N
Unlock Data	First Name	JOAN
Quit Application	Sex	FEMALE Birth Date 1/1/1971
	SSN	112QW23VC

Total Contacts	Contact ID	Since	Until	Clinic	Bed
1	1	1/5/2008	5/5/2008		

Chief Complaints
 FEVER, ANOREXIA, ABDOMEN PAIN

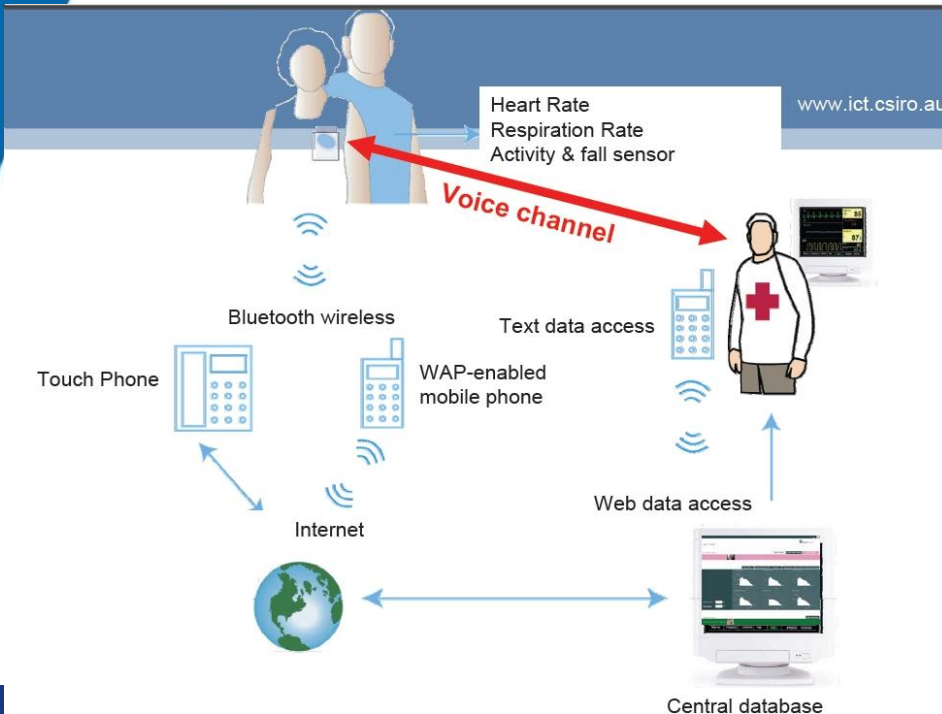
Discharge Status
 HOME CARE

Main Findings From HPI
 RHEUMATIC FEVER

Notes
 Consultation with Dr Forbes regarding laboratory test

Contact 1 of 1
 Referring Physician or Organization: DR Karson Alan
 Attending Physician: DR Forge Sami

www.biosoftworld.com



Drug(s)	Usage	Dispense	Units
Seldane			
Seldane D	350 mg 1 p.o. q 6h. p.r.n.		
Silvadene Cream	Compound: 1 ps q 4hs		
Sinemet			
Skelaon			
Silo Bil			
Sodium Bicarbonate			
Sodium Sulanyl Diphthalic Diacetat			
Sodium Sulanyl Diphthalic Solution			
Soma			
Succinylcholine Chloride			
Succalfate			
Sulfasalazine			
Sugnat			
Sulfak			
Suxphrine			
Symmetrel			
Tegretol			
Tenaxepam			
Tenexate			
Tenoxamin			
Tenazol 3			
Tenazol 7			
Tenaxoson			
Tenxalin			
Tetracycline			
Ther-Dux (Therapyline)			
Therapyline			

Childproof Cap

Drug	Dosage	Qty	Refill	Units
Vicodin	1 p.o. q 4h. p.r.n. take	10	0	Cap
Soma	350 mg 1 p.o. q 6h. p.r.n.	10	0	

Special Instructions:
 No driving on meds

Reviewed nursing notes and concus...

Destination

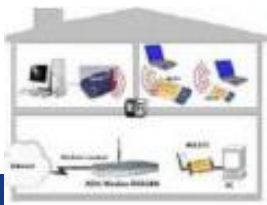
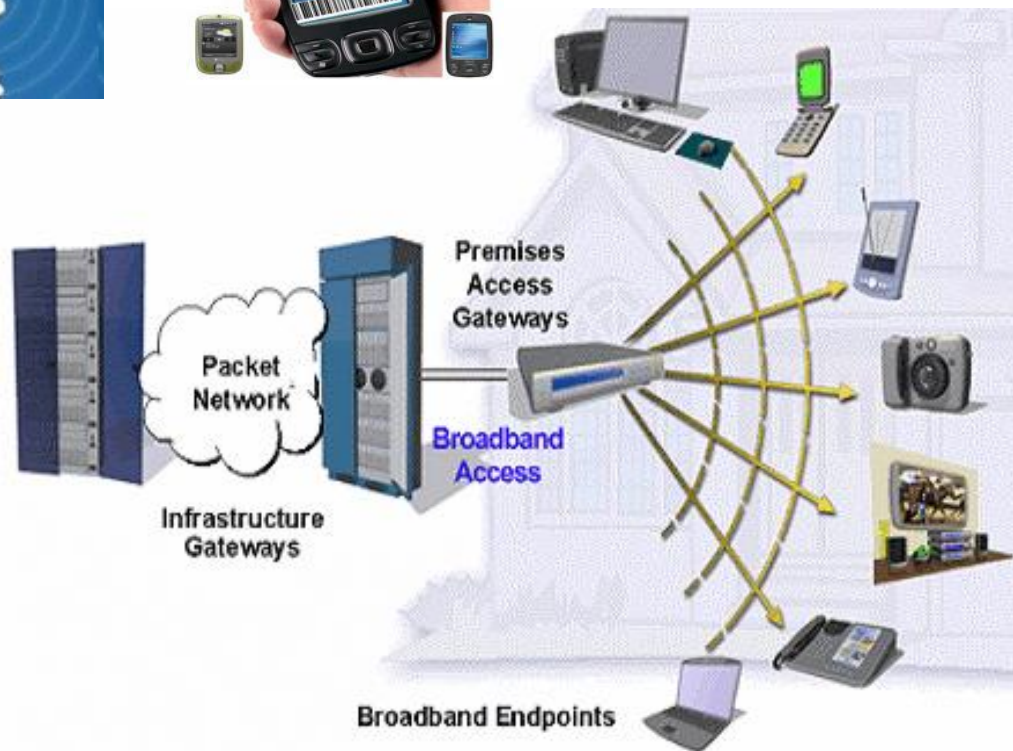
Admitting per History Screen (Read Only)



eCommunication



eNomad





eHealth Applications

eNomad

- **ePrescriptions**
- **mScanner using 3G, 4G, NextG connected to the Food Standards Australian and New Zealand (FSANZ)**
- **Bluetooth medical devices (realtime)**
- **Nutrition and dietary advice**
- **Location of medical assistance using GPS for directions**





E-Health Portal

eNomad



General enquiries
13 2281
Canberra Connect

Australian Capital Territory Department of Health **ACT Government Health Information**

You are here: [Home](#) / [Health Services](#) / [Aboriginal Health](#) / [Aboriginal health portal](#)



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Alerts

Health Services

Aboriginal Health

Aged Care and
Rehabilitation Service

Canberra Hospital

Canberra Cochlear Implant
Program

Community Health

Mental Health ACT

Public Health

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Publications

Aboriginal health portal

ACT Health's Aboriginal Health portal gives you easy access to health information and services tailored to the unique cultural needs of Aboriginal and Torres Strait Islander peoples.



Please make a selection from the menu below.

In this section:

- ▶ [Community health services](#)
- ▶ [Events Calendar](#)
- ▶ [Health status](#)
- ▶ [Healthdirect](#)
- ▶ [Identifier](#)
- ▶ [Liaison Officers](#)
- ▶ [National information](#)
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- ▶ [Policies and publications](#)

Aboriginal and Torres Strait Islander flags

Aboriginal Flag

Aboriginal artist Harold Thomas designed the Aboriginal flag and it was first raised in Victoria Square, Adelaide on National Aboriginal Day in 1971. It was adopted by Aboriginal and Torres Strait Islander people in 1972 after it was flown above the Aboriginal 'Tent Embassy' outside old Parliament House in Canberra. The Aboriginal flag was proclaimed a 'Flag of Australia' under the Flags Act 1953 in July 1995.

Colours on the flag: black represents the people, the red the earth and their spiritual relationship to the land, and the yellow the sun, the giver of life.

- ▶ [Aboriginal Flag](#)

Search

[go](#)

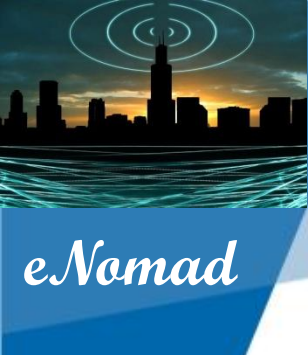


quick links

- General Enquiries**
13 2281
- Services Directory**
Download the PDF
- ACT Pathology**
(02) 6244 2930
- Calvary Hospital**
(02) 6201 6111
- Canberra Hospital**
(02) 6244 2222
- Community Health**
(02) 6207 9977
- healthdirect**
1800 022 222
- Mental Health ACT**
1800 629 354
- Public Health**
(02) 6205 0881
- Interpreter Service**
13 1450
Arabic / عربي

[ACT Government](#)

[feedback](#)



E-Health Portal

Advanced Search

New video gallery...

[All Videos](#)

Health-EU Portal

The Health and Consumers Directorate-General is pleased to present the Health-EU Portal (the official public health portal of the European Union) and the wide range of information and data on health-related issues and activities at both European and international level...



MY HEALTH

-
- [Babies and Children](#)
 - [Young People](#)
 - [Women](#)
 - [Men](#)
 - [Elderly](#)
 - [People with Disabilities](#)

MY LIFESTYLE

-
- [Nutrition](#)
 - [Alcohol](#)
 - [Drugs](#)
 - [Tobacco](#)
 - [Travel](#)
 - [Sports and Leisure](#)
 - [Sex](#)

MY ENVIRONMENT

-
- [At Home](#)
 - [At Work](#)
 - [Social Environment](#)
 - [Environmental Health](#)
 - [Consumer Safety](#)
 - [Physical Risks](#)
 - [Biological Risks](#)
 - [Chemical Risks](#)
 - [Road Safety](#)
 - [Bioterrorism](#)
 - [Food Safety](#)

HEALTH PROBLEMS

-
- [HIV/AIDS](#)
 - [Influenza](#)
 - [Other Infectious Diseases](#)
 - [Mental Health](#)
 - [Cancer](#)
 - [Rare Diseases](#)
 - [Cardiovascular Diseases](#)
 - [Other Non-Communicable Diseases](#)

CARE FOR ME

HEALTH IN THE EU

Links to...

News

- Medical devices sense patients who need help
- New technique useful in early diagnosis of neurodegenerative disorders
- Progress in public health and major challenges ahead
- Researchers propose framework for neglected tropical diseases treatment
- Key public health risks and actions identified in the Haiti earthquake crisis

[All News](#)

Links to...

My country

Press releases

[All Press releases](#)

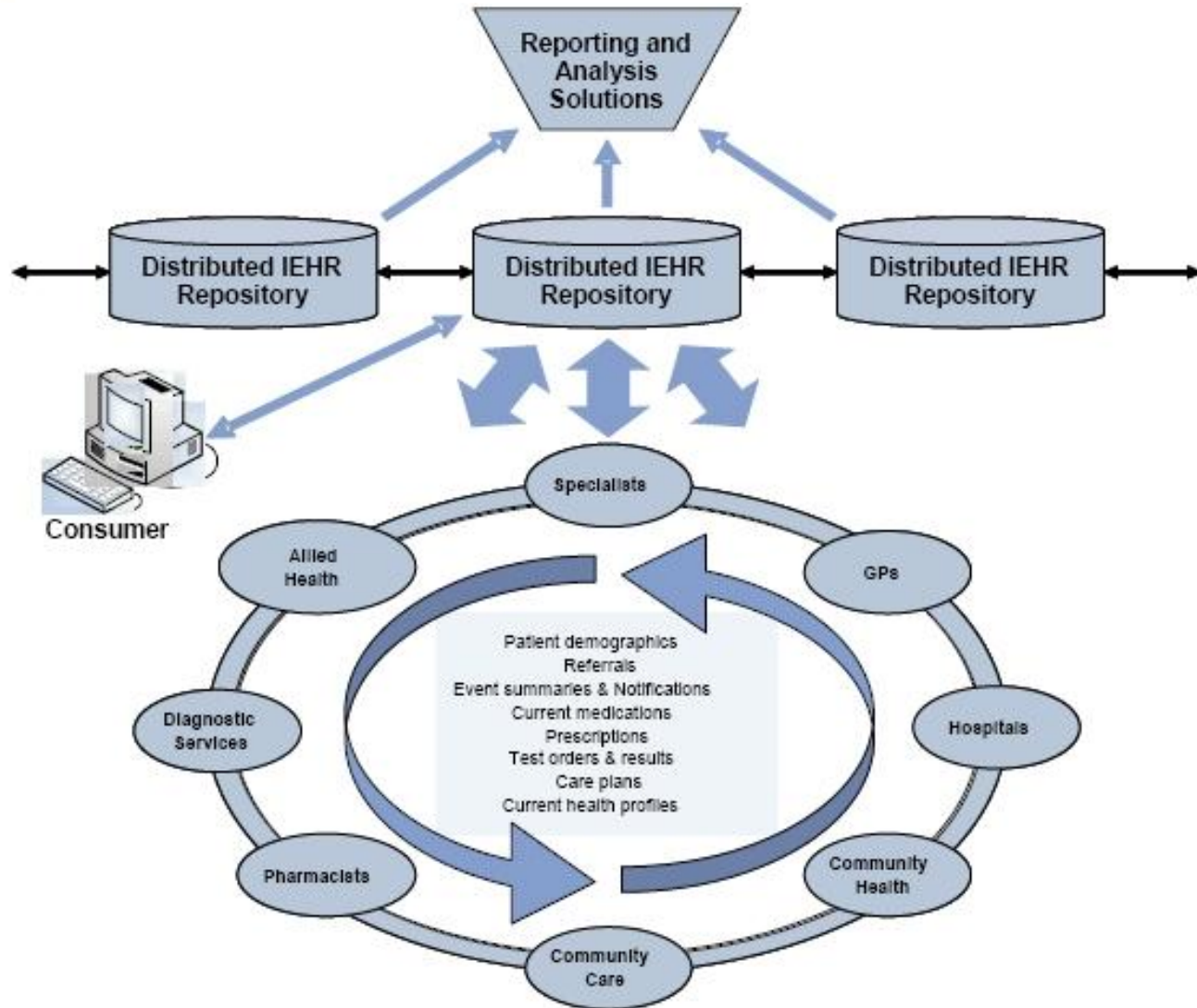
- ### Events
- 3rd International Conference on Health Informatics (20-23 January 2010)
 - 9th International Congress on Occupational Safety and Health at Work (28-29 January 2010)
 - 9th International Conference on New Trends in Immunosuppression and Immunotherapy (4-7 February 2010)
- [All Events](#)

Links to...

- EU-Legislation
- Portal to European Union law
- [All EU-Legislation Links](#)

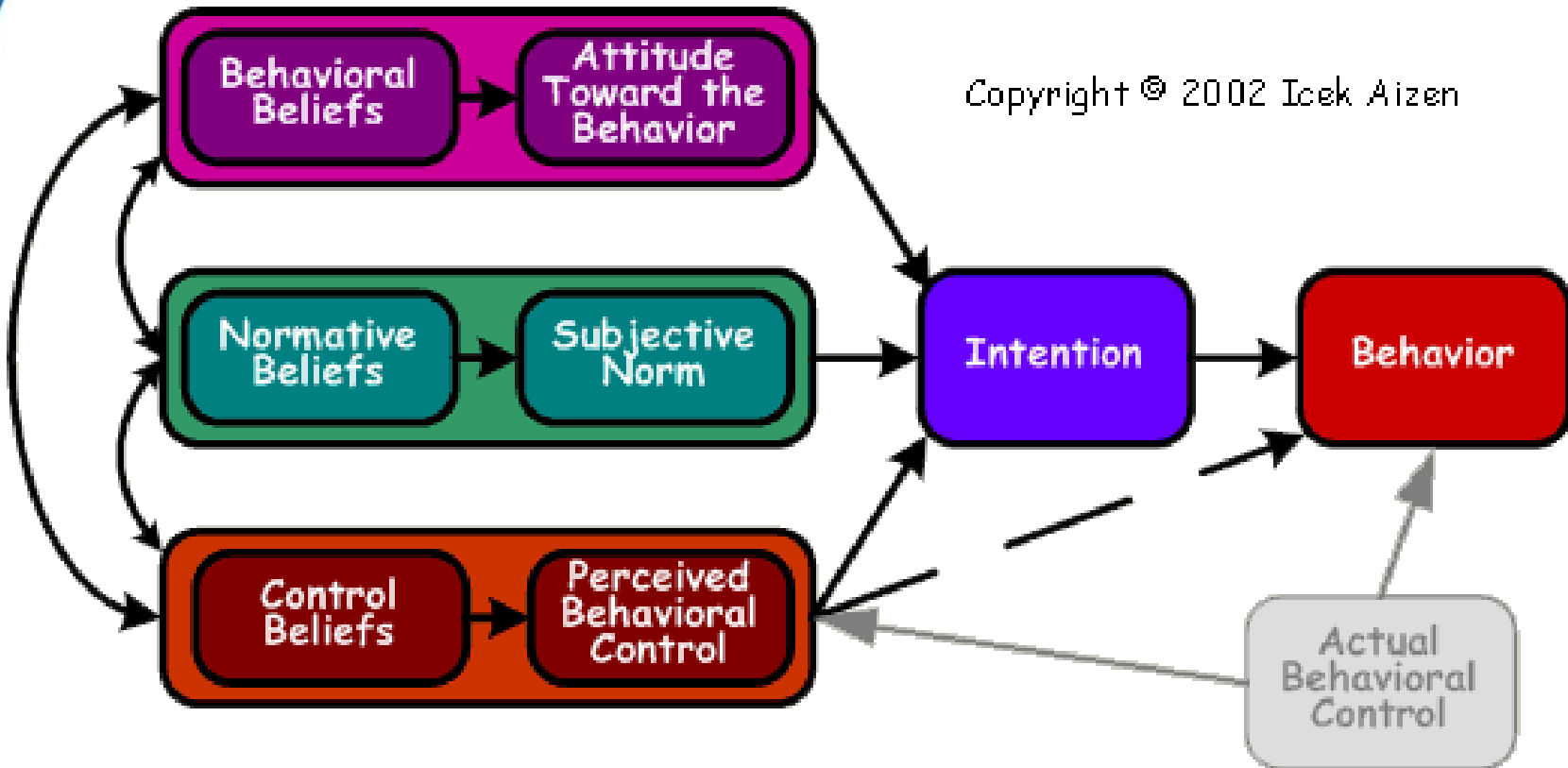


Distributed Database Model





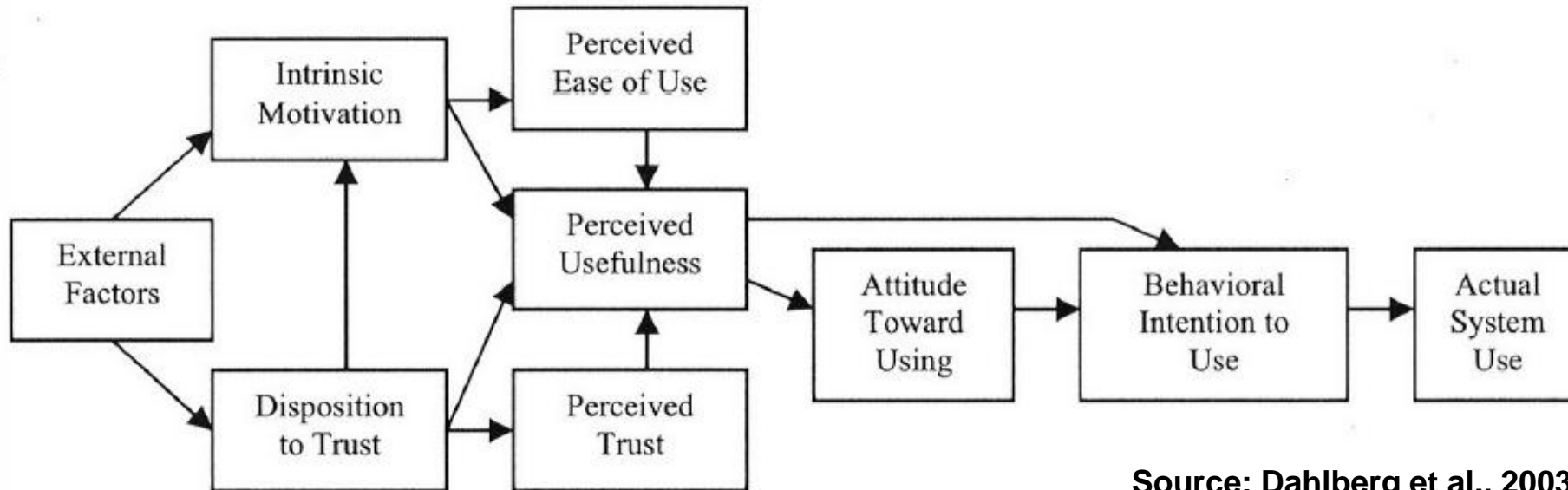
Theory of Planned Behavior





Future Research

eNomad



Source: Dahlberg et al., 2003

- **ICT adoption by grey nomads and eNomads**
- **Technology acceptance to access eHealth records**
- **Levels and format of data abstraction (all stakeholders)**
- **Behavioural intention to use ICTs for eHealth (all stakeholders)**
- **Design and development of the eHealth portal**
- **Multi-discipline holistic approach (all stakeholders)**