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National E-Health Transition Authority
www.nehta.gov.au



eHealth and Broadband

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Agenda

- NEHTA's purpose
- Why do we need eHealth?
- Our work program
- Making it happen
- eHealth and Broadband
- A new eHealth brand
- Questions

NEHTA's purpose

- From the National eHealth Strategy



NEHTA's purpose

Lead the uptake of eHealth systems of national significance; and coordinate the progression and accelerate the adoption of eHealth by delivering urgently needed integration infrastructure and standards for health information



From the National eHealth Strategy



eHealth is one of the most important opportunities to:

- Improve the quality and safety of healthcare
- Reduce waste and inefficiency
- Improve continuity and health outcomes for patients

Why do we need eHealth?

- The Tsunami has arrived
- Impact on consumers
- Impact on clinicians
- Impact on the economy



The Tsunami has arrived



Australia's life expectancy is one of the highest in the world, second only to Japan

In 1996, chronic disease accounted for 80 per cent of the burden of disease, measured in terms of loss of years and quality of life

Over three million Australians, or nearly one in seven, suffer from chronic disease

Health expenditure as a proportion of Australian GDP has more than doubled over the last four and a half decades from 3.8% to 9%

Impact on consumers



It is estimated 5,000 Australians die each year due to adverse medical events.¹

Up to one in six (18%) medical errors are due to inadequate patient information.²

Nearly one in three (30%) unplanned hospital admissions in those over 75 years are associated with prescribing errors.³

1 Australian Patient Safety Foundation, www.consultmagazine.net

2 Australian Institute of Health and Welfare, *Australia's Health 2002*, 2002

3 Chan. M, 2001, *Internal Medicine Journal*, Adverse drug events as a cause of hospital admission in the elderly; 31: 199-205

Impact on clinicians



Clinicians spend around a quarter of their time collecting information rather than treating patients.⁴

ePrescription systems in Sweden, the US and Denmark increased health provider productivity per prescription by over 50%.⁵

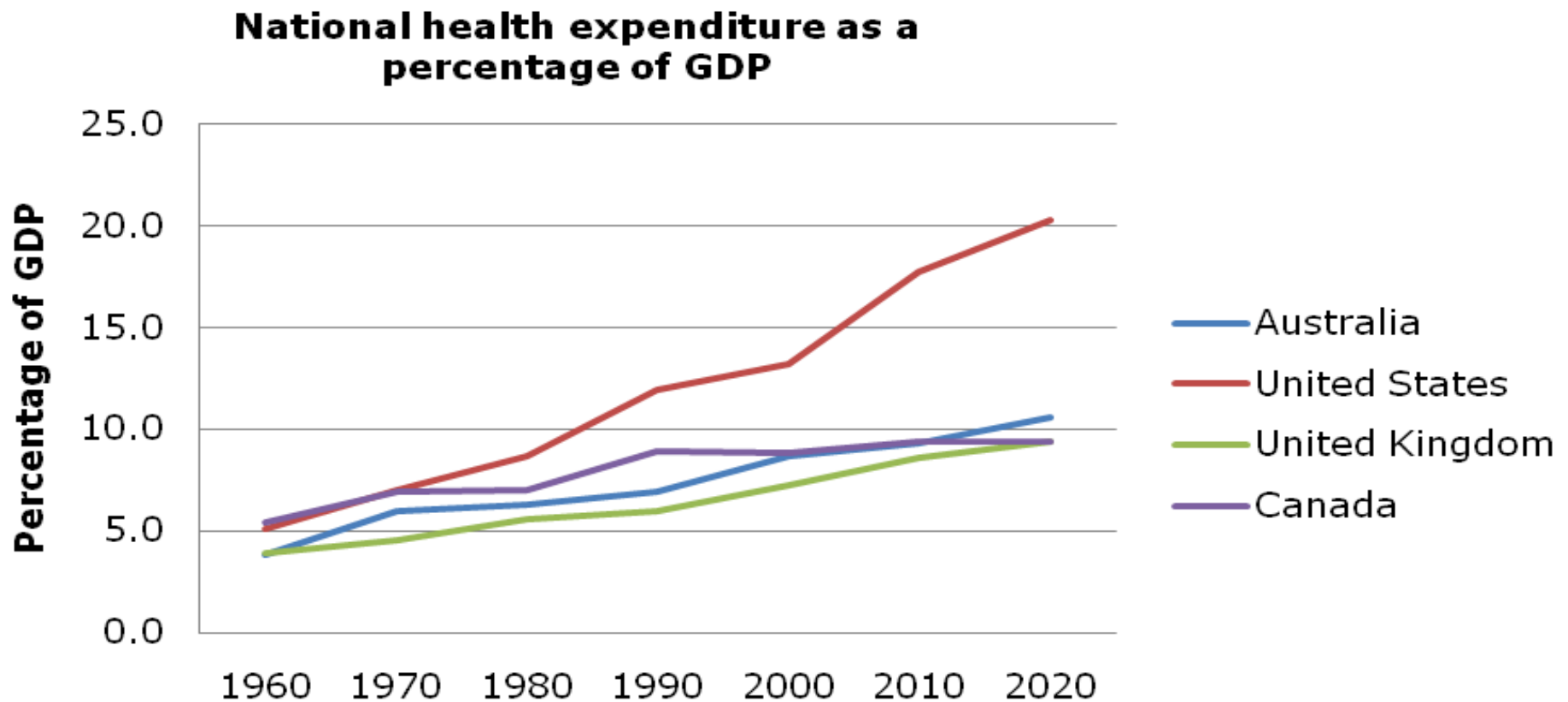
eReferrals in Europe reduced the average time spent on referrals by 97%.⁶

4 For Your Information, Australia Audit Commission, Canberra, 1995

5 Karl A Stroetmann KA, Jones T, Dobrev A, Stoetmann VN, 'An Evaluation of the Economic Impact of Ten European E-Health Applications', 2007

6 Ibid

Impact on the economy



NEHTA work program

- Work program highlights
- Making it happen



Personally Controlled Electronic Health Record	Clinical Information	Individual Information	Shared Information	[Others]
E-Health Services	Shared Health Profile	Events Summaries	Self Managed Care	Complex Care Management
E-Health Solutions	ePathology	eDischarge	eReferral	eMedications
National Infrastructure Components	Terminology	Secure Messaging	Identifiers	Authentication

Work program highlights



HI Service goes live – 23 million individual healthcare identifiers allocated

First clinical use of AMT now live

NEHTA has a leadership role nationally and internationally

Making it happen: Early adopter sites

Brisbane

Hunter

Melbourne East



Making it happen: State and Territory projects



Making it happen: Sector projects



- Aged Care
- Primary and Ambulatory Care
- Private Hospitals

eHealth and Broadband

- Telehealth services
- eHealth and the NBN
- What the future might look like



Telehealth services



Commonwealth announces
\$400 million investment to expand
Telehealth services

Patients from remote, regional and
outer metropolitan areas will
receive greater access to general
practitioners and specialists

eHealth and the NBN

NEHTA will work with the NBN and local partners to deliver world-class eHealth solutions at a local level



eHealth and the NBN



Broadband must be available for a wide cross section of Australians

The NBN will unlock opportunities for innovation in delivery of healthcare:

- Improvements in home-based care and emergency services
- More choices for aged care and independent living
- On-demand access to large diagnostic image collections

What the future might look like



eHealth will have penetrated remote areas and taken medical care facilities right to the bedroom of patients

The majority of Australians will take advantage of the benefits of a personally controlled electronic health record

Individuals will be able to obtain and share their personal genome sequence

New eHealth brand



The concept



How the brand could be used



Thank you

Questions

