

The Alliance for Radiation Safety in Pediatric Imaging

The *Image gently* campaign

Dr Tim Cain

Representing Australian and New Zealand
Society for Paediatric Radiology

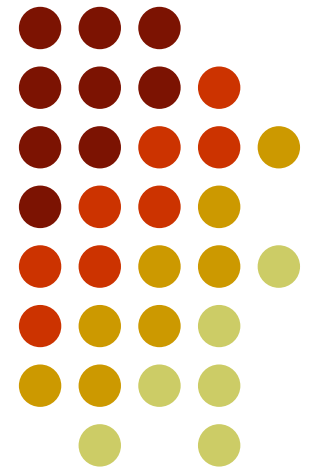


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Australia & New Zealand

- Public and Private health care services
- Comprehensive Public Health Care systems
 - Free treatment in public hospitals
 - Waiting list for non-urgent procedures
 - Joint replacements, allergy clinics, etc
 - Includes some screening programs
- Access health care via General Practitioner or Public hospital



Australia

medicare



- Covers health professional service fee
 - Whether provided in public or private hospital
 - Medical Benefits schedule set by government
 - No gap payment for disadvantaged
 - Includes investigations, allied health
- No insurance for difference between scheduled fee and fee charged by doctor except for inpatient services

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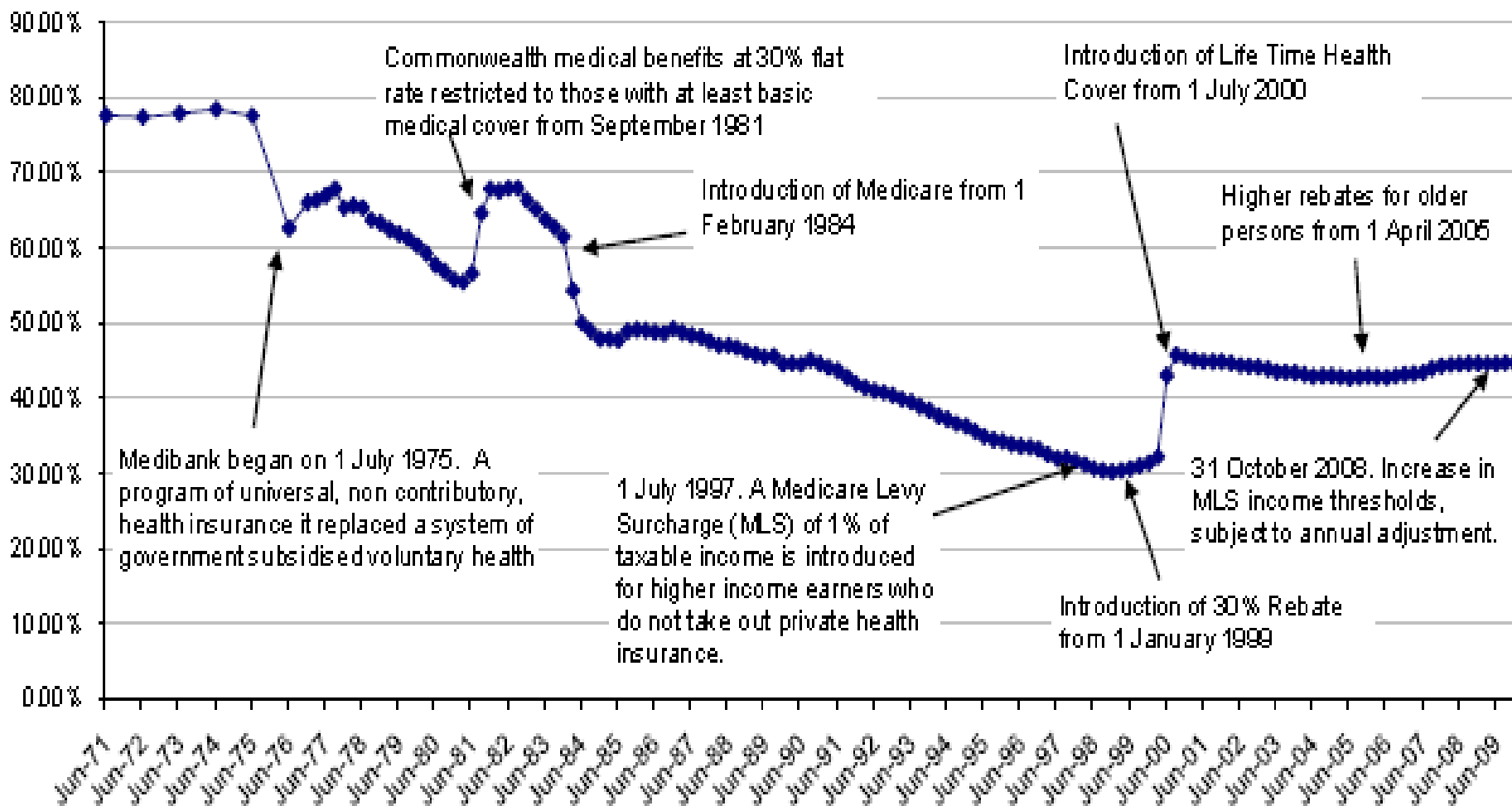
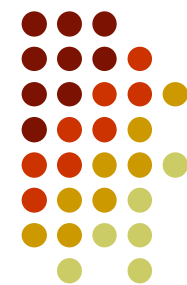


Australia

- Private health insurance
 - 43% Australian population
 - Multiple levels of cover (but limited for professional fee)
- Health spend (2007)
 - \$AUS104 billion (\$US 94.6 billion)
 - \$AUS 4,732 / person (\$US 4,306)
 - 8.9% GDP (67.5% public funding)



Private Hospital Insurance coverage as %age of Australian Population 1971-2009



Source: Private Health Insurance Administration Council



New Zealand

- Private health insurance
 - 33% New Zealand population
 - Multiple levels of cover including medical consultation
- Health spend (2007)
 - \$US 3,243 / person
 - 9.2% GDP (about 78% public funding)





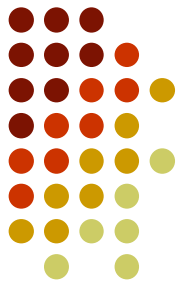
Australia & New Zealand

- Strategies to reduce radiation exposure
 - CT vetted by radiologist
 - MR and US imaging where possible
 - Traumatic C-spine, VP shunt
 - Abdominal pain
 - RANZCR Quality Use of Diagnostic Imaging program – radiation dose surveys and seminars
 - 10 year rule for CT scanners

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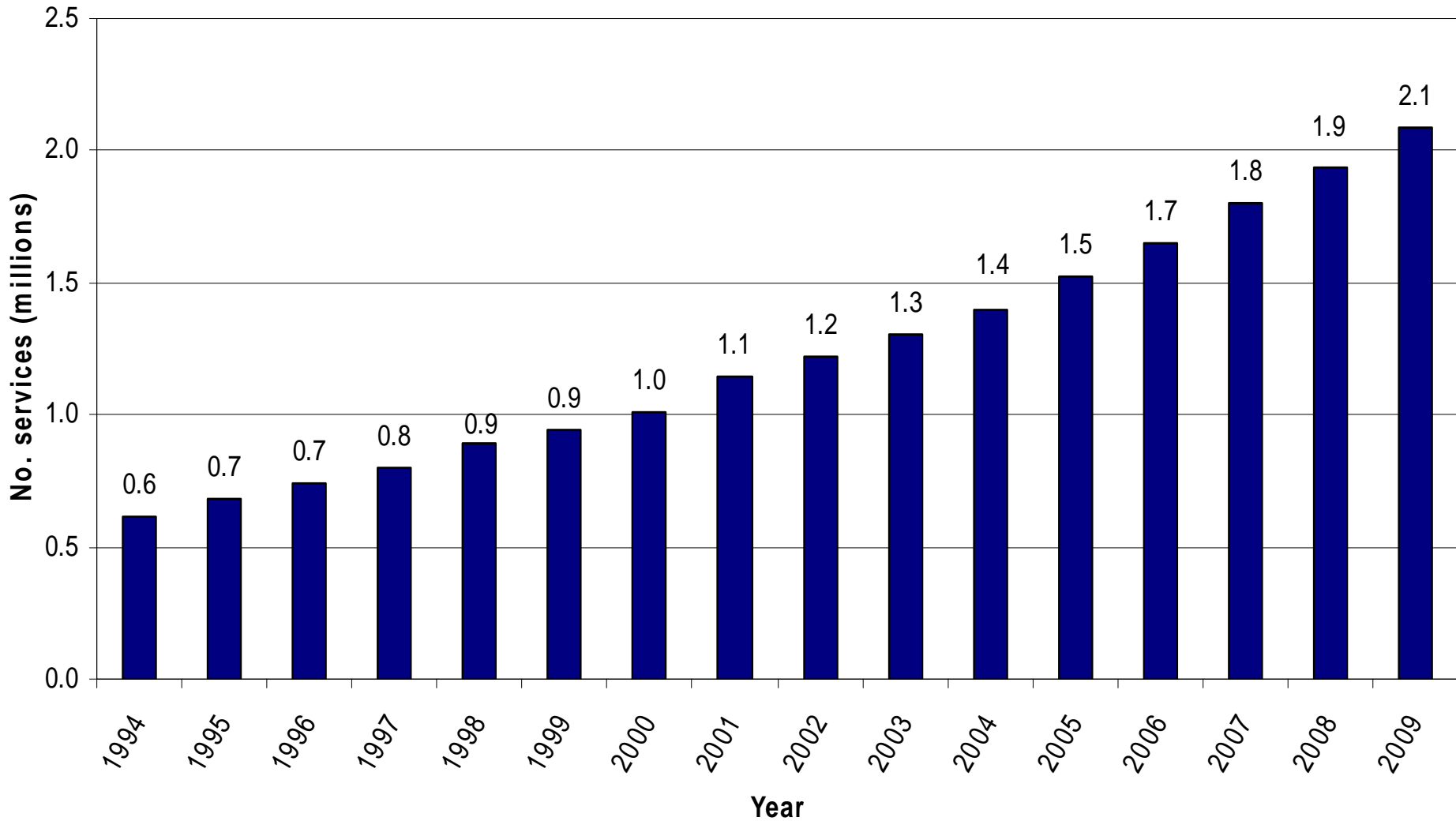
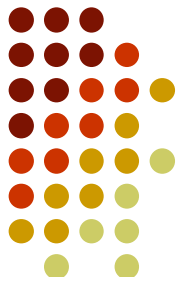
Australia & New Zealand



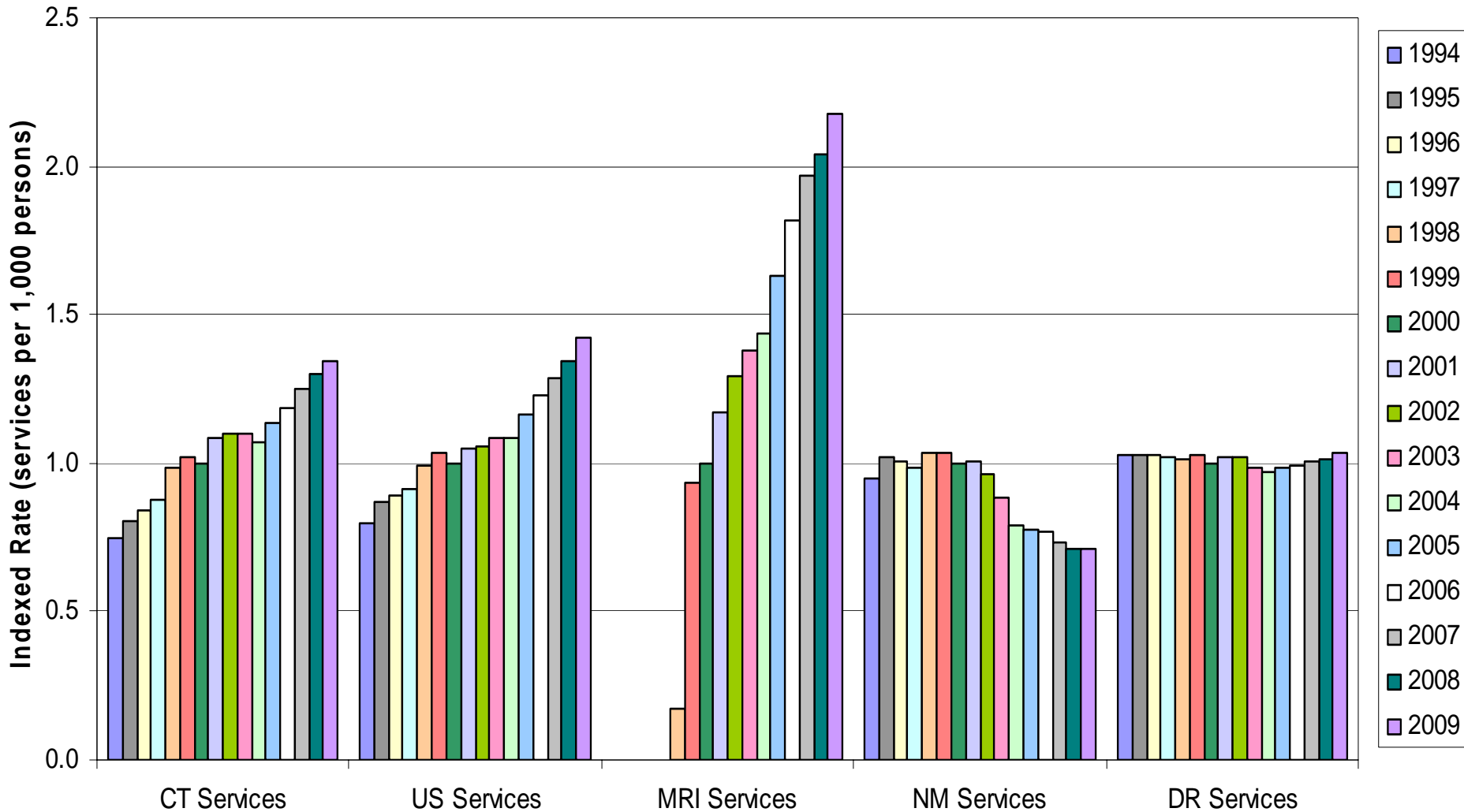
- Training and license requirements
 - Radiologists; Radiation dosimetry and biology, and Radiation Protection are examined modules
 - Radiographers; 3 year degree course
 - Licensing required to operate X-ray equipment
- Reimbursement for imaging services varies with qualifications/training



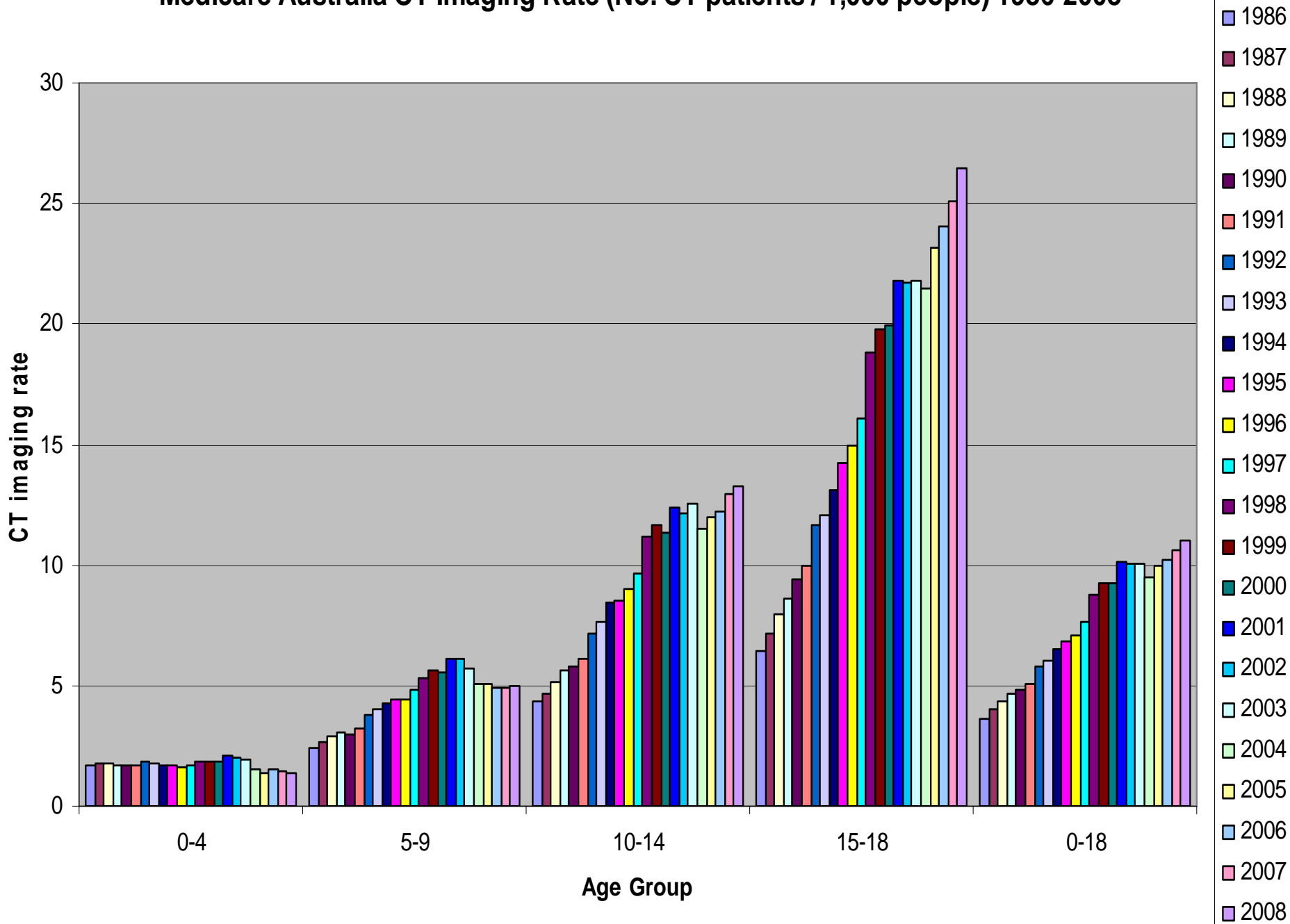
Number of (CT) services for the Australian population billed to Medicare in Australia from 1994 to 2009



Diagnostic imaging services /1000 persons aged 0-24 in Australia billed to Medicare 1994-2009



Medicare Australia CT Imaging Rate (No. CT patients / 1,000 people) 1986-2008



RCH CT Imaging Rate (No. CT patients / 1,000 people in VIC population) 1986-2008

