### Higher education financing: Theory, data, policy and recent research

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#### **OUTLINE**

- The History of Student Charges in Australia
- Theory Part 1: The Case for a Charge
- Theory Part 2: The Need for Government Intervention
- Theory Part 3: Bank Loans versus Income Contingent Loans (HECS)
- Illustrating Consumption Smoothing form HECS
- HECS and Access
- Recent Research Developments: US loan problems
- Bureaucratic Politics and the Academic
- Conclusion

## The History of Student Charges in Australia

• Fee abolition: 1973

• HEAC: the charging watershed, 1986

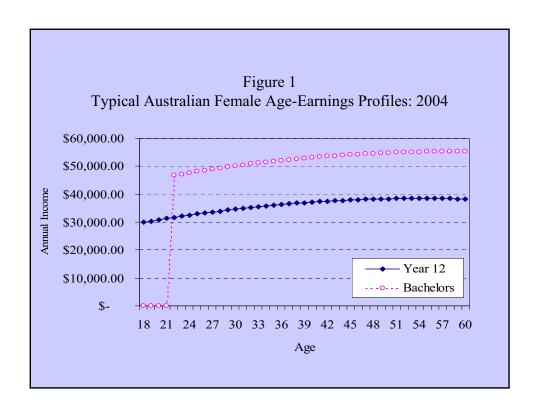
• HECS: income contingent charges, 1989

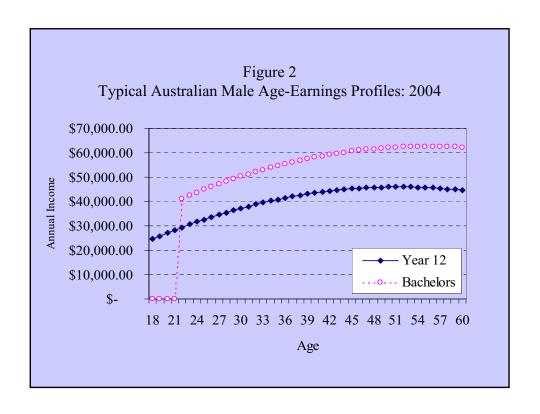
• PELS, 2002

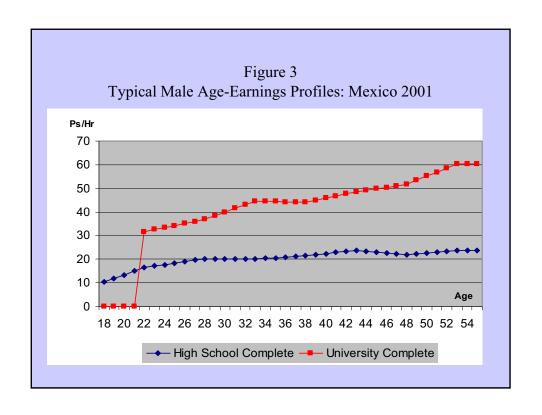
• FEE-HELP, 2005 and extended in 2007

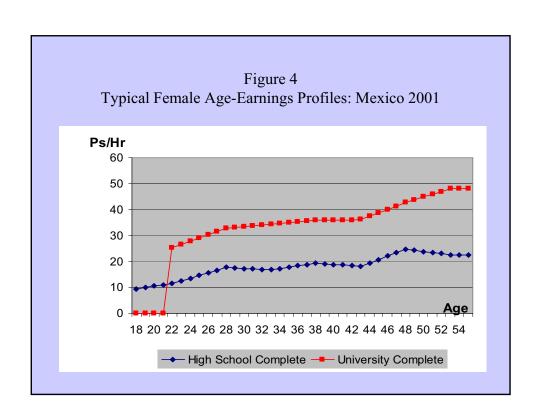
#### Theory Part 1: The Case for a Charge

- higher education as an investment process
- private costs: foregone earnings + tuition
- private benefits: additional lifetime earnings
- graphical summary: Figures 1-4
- net benefits imply the case for a charge (budgets are not free)







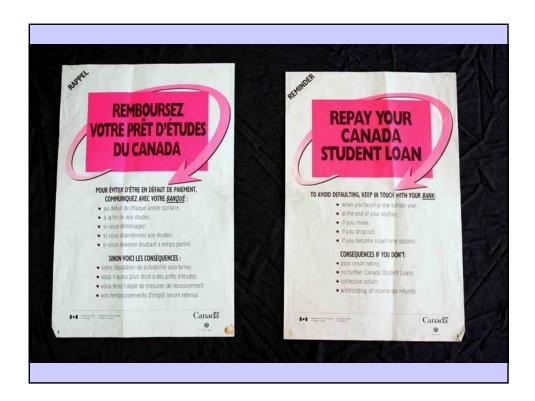


### Theory Part 2: The Need for Government Intervention in Higher Education Financing

- human capital investment is uncertain: completion; ability; and the future labour market.
- poor outcomes can lead to default
- the problem for banks: no saleable collateral
- the problem for students: no access to loans
- government intervention is required
- two types of loans: bank (gov't guaranteed, US, Canada) and ICL

### Theory Part 3a: Bank Loans, Costs and Benefits

- Bank Loans Benefit: solves the market failure and the lender default problem
- Bank Loan Cost 1: defaults expensive for taxpayers, so rationing
- Bank Loan Cost 2: some repayment hardships, no consumption smoothing
- Bank Loan Cost 3: no default insurance for students (poster)



#### Theory Part 3b: Income Contingent Loans, Costs and Benefits

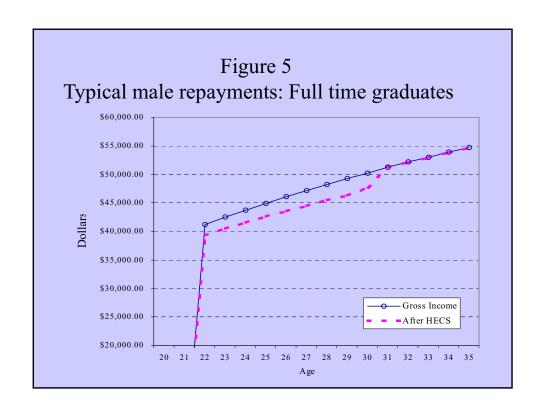
- What is an ICL?
- Critical difference to a bank loan: repayments based on capacity to pay.
- ICL Benefit 1: default insurance
- ICL Benefit 2: consumption smoothing
- ICL Cost 1: adverse selection and (and associated non-payment)
- ICL Cost 2: moral hazard (and associated non-payment)
- ICL Cost 3: collection complications

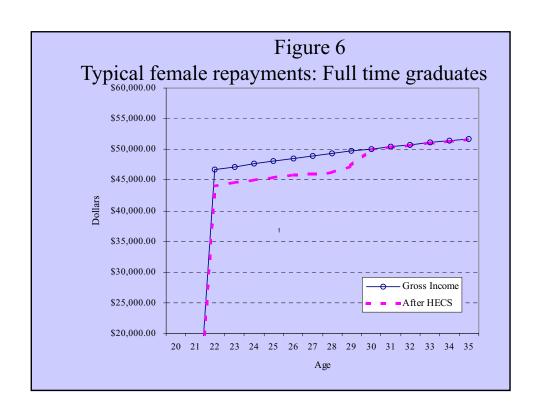
### Illustrating Consumption Smoothing with HECS (2004/05)

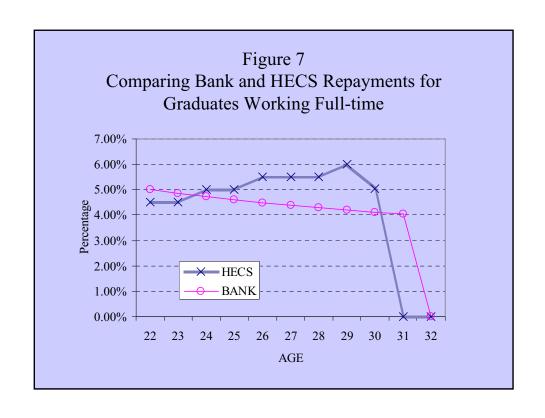
- HECS debts and repayment parameters
- Repayment streams of a typical debt, women and men
- Comparing bank loan and HECS repayments for full-time working graduates: IT DOESN'T MATTER FOR CS
- But HECS critical for CS when there is high income variance: an unlucky woman described
- Bank and HECS repayments can be very different in impact

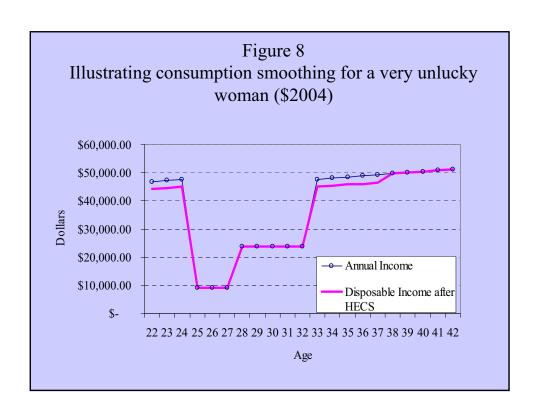
#### HECS Income Thresholds and Repayment Rates: 2004/05 (debt = \$16,000)

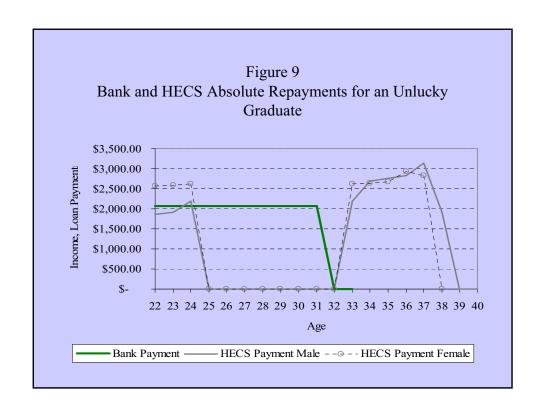
HECS repayment incomes	Per cent of income
in the range: (A\$) per year	applied to repayment
Below \$35,000	Nil
\$35,001—\$38,987	4
\$38,988–\$42,972	4.5
\$42,973—\$45,232	5
\$45,233—\$48,621	5.5
\$48,622—\$52,657	6
\$52,658—\$55,429	6.5
\$55,430—\$60,971	7
\$60,972—\$64,999	7.5
\$65,000 and above	8

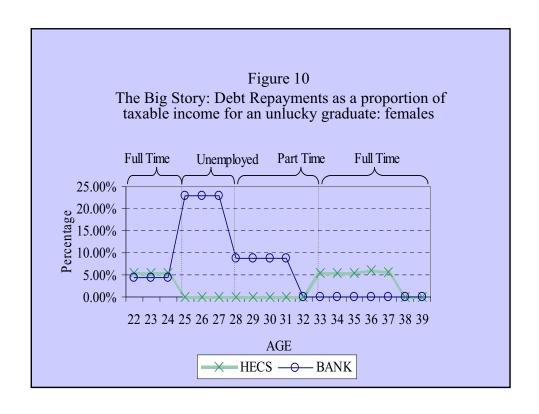


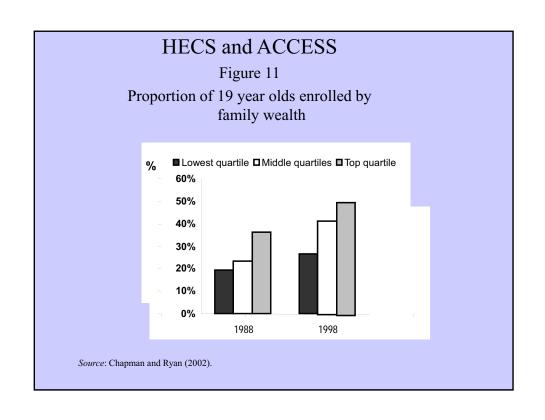


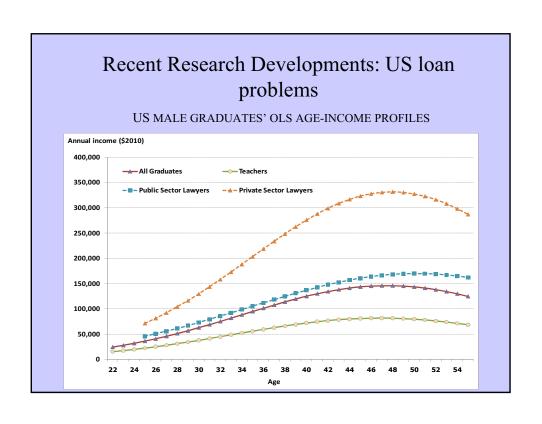


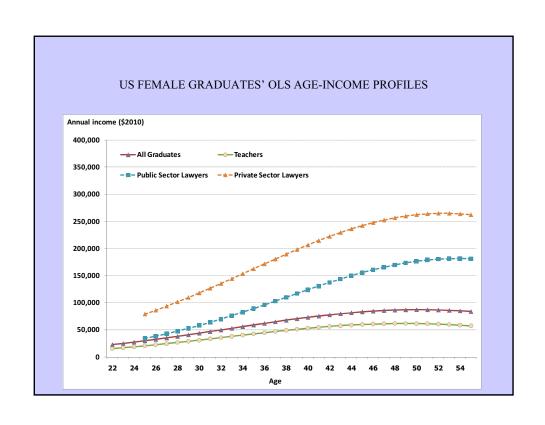












# REPAYMENT BURDENS OF LOW INCOME LAWYERS WITH MAXIMUM DEBT (\$138,500)

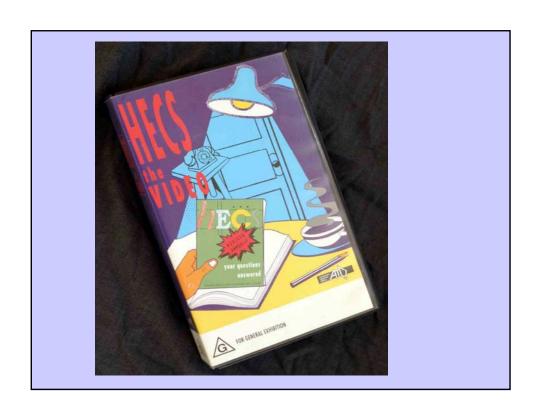
Borrowers	Repayment	Male		Female	
	plan	Maximum	Average	Maximum	Average
Private sector lawyers	Standard	0.49**	0.25**	0.38**	0.23**
Public sector lawyers	Standard	0.76**	0.38**	0.93**	0.47**
Private sector lawyers	Extended	0.29**	0.15	0.23**	0.14
Public sector lawyers	Extended	0.46**	0.23**	0.56**	0.28**

#### Bureaucratic Politics and the Academic

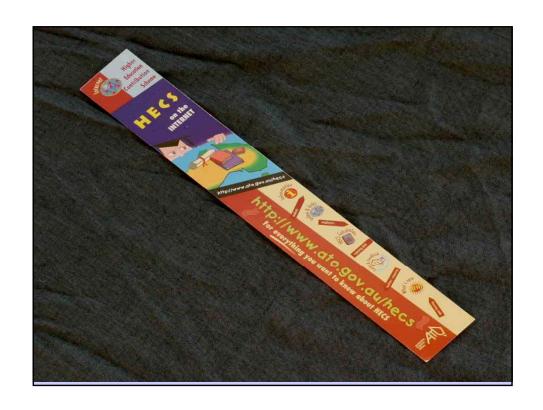
- We love the ATO
- Meeting the ATO, Mark I (Meredith Edwards had set the scene)
- Meeting the ATO, Mark II

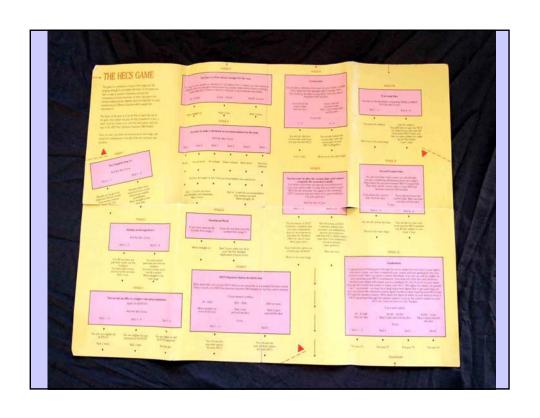


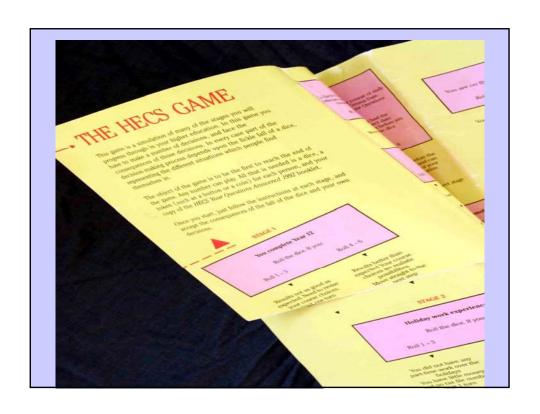












### The International Experience of ICL

- The Yale Plan, 1972
- Sweden, 1988 (deferral if incomes low)
- Australia, 1989 (first to use the tax system)
- New Zealand, 1991
- South Africa, 1991
- Chile, 1994
- The US, 1993
- The UK, 1997 2006
- Ethiopia, 2002
- Thailand, 2006
- Israel, 2008
- Up-coming visits: Mexico and Colombia, 2007
- Crawford/DPU East Asian Conference (Japan, Thailand, Malaysia, Indonesia), 2008

### Thank you

