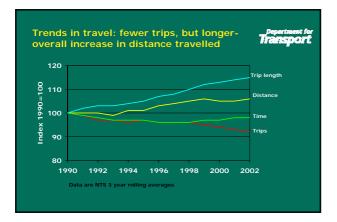
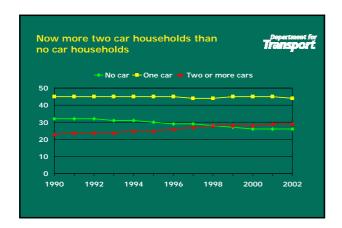


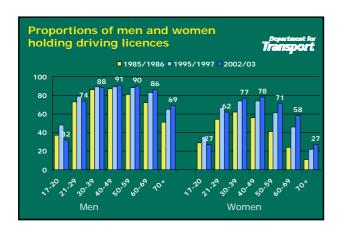
### NTS background

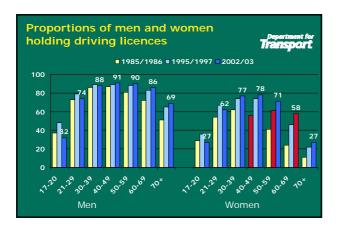
### Transport

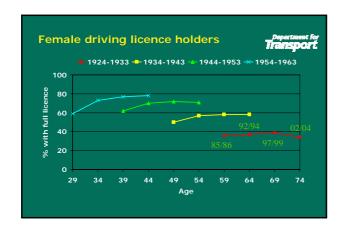
- Large household survey, sample now 15k households pa
- Continuous since 1989
- Earlier ad-hoc surveys- 1985/86 comparable, earlier surveys less so
- No longitudinal element, but heavily used to track trends in travel



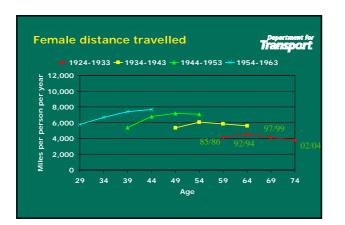


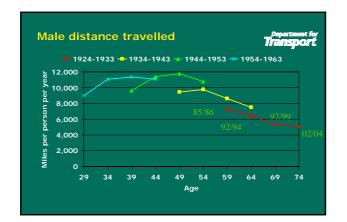






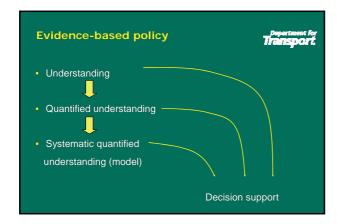






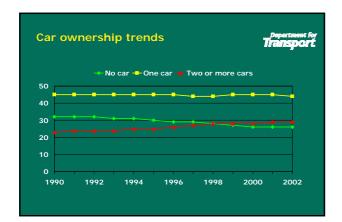
	Pepatnent for Transport
Longitudinal methods – where is the added value ?	
Russell Harris (ITEA division, DfT) 9 <sup>th</sup> November 2005	
9 <sup>th</sup> November 2005	

Where is the scope ?	Department for Transport
What can longitudinal methods offer the Department	artment ?
In which areas is there most scope for making?	g a difference



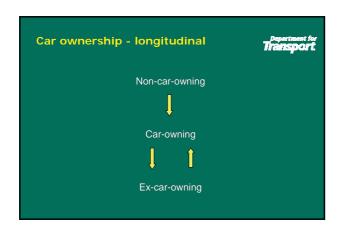
# Uses of models Pepartment for Transport Forecasting Policy sensitivity

# Typical modelling framework • Demographics - where will people live & work? • Economic forecasts – incomes & prices • Car ownership - who has access to a car? • Trip rates - how many journeys? • Choice models - destination, mode, route, time? • Impacts of transport – economic, environmental etc.



### Advantages of disaggregation Presentation for Iransport more behavioural more accurate forecasts? better estimates of sensitivities which change over time some information on sensitivity to a wider range of policies

• distribution of policy impact across different groups



Policy sensitivity  Focus on factors affecting transitions rather than factors correlated with levels  Papertment for
Focus on factors affecting transitions rather than factors correlated with levels
correlated with levels
Transitions Department for
Transport
Demographics - moving house
Economic forecasts – ?behaviour related to income?
Car ownership - car purchase, driving test
Trip rates - trip chaining
Choice models - experience & information
Impacts of transport – cold starts