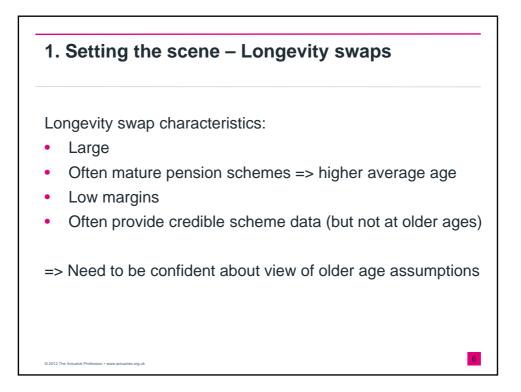
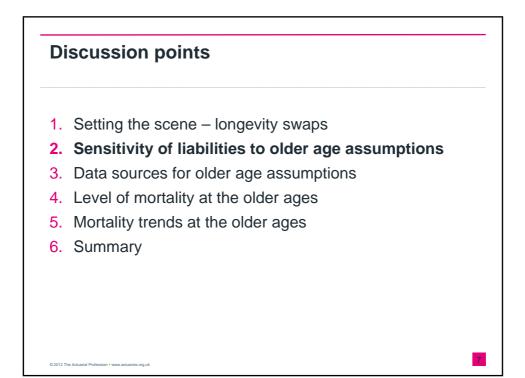
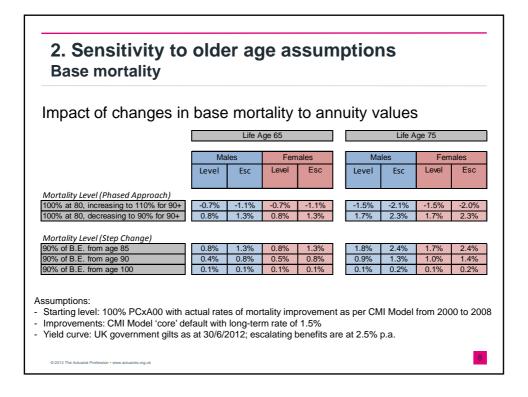


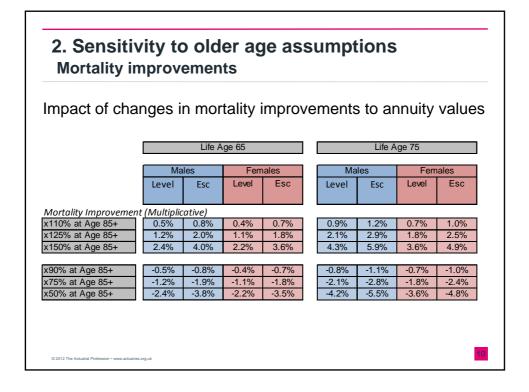
3

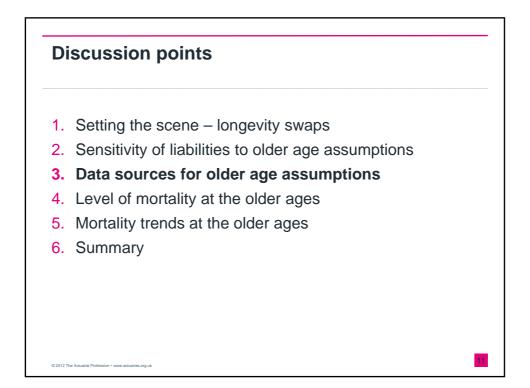


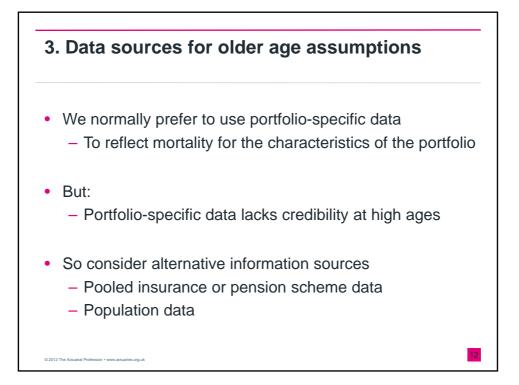


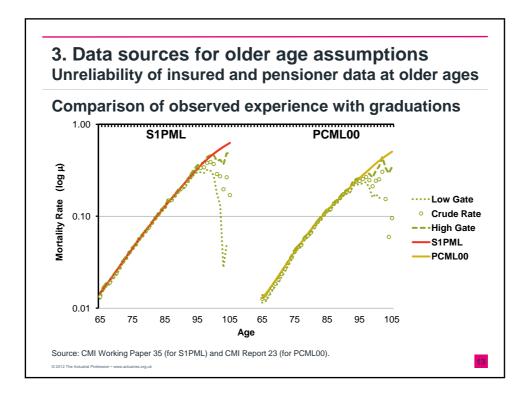


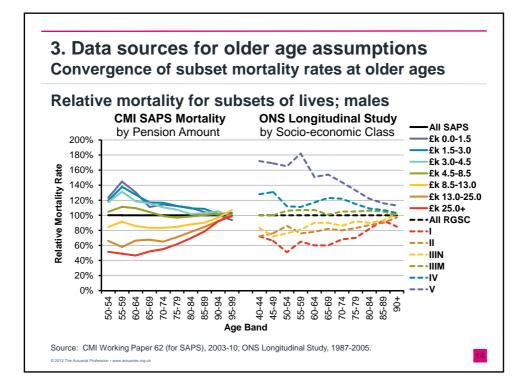
Base A	ssumption	s (2009)	Base * 75%		Difference	
Age	M	5 (2003) F	M	73%	M	F
85	1.9%	2.0%	1.4%	1.5%	-0.5%	-0.5%
90	1.7%	1.2%	1.3%	0.9%	-0.4%	-0.3%
95	1.3%	0.8%	1.0%	0.6%	-0.3%	-0.2%
100	0.8%	0.6%	0.6%	0.4%	-0.2%	-0.1%

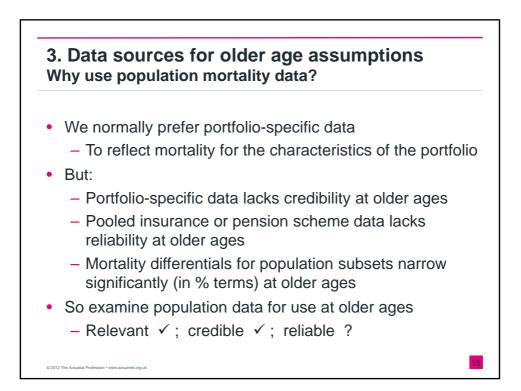






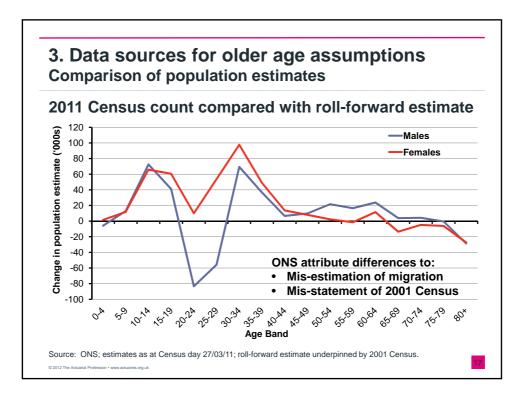


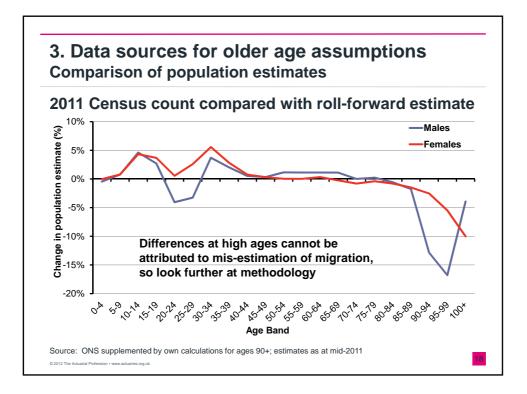


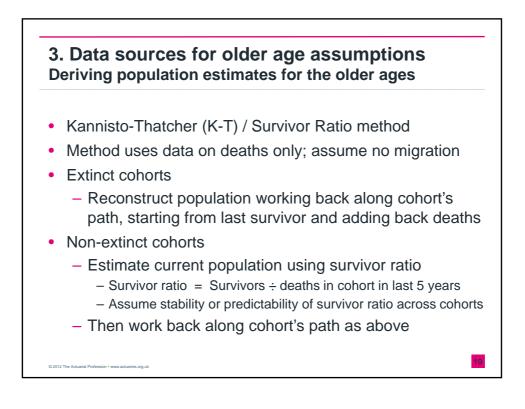




- Mortality rate = Deaths ÷ Exposure
  - Death registrations data is considered highly accurate
  - Use mid-year population as estimate of exposure
- Derivation of population estimates
  - Underpinned by decennial Census
  - Roll forward year-by-year
    - Cohort component method allowing for:
    - Natural change: Ageing, births and deaths
    - Migration
  - Review when next Census is reached
    - Investigate differences; revise intercensal estimates

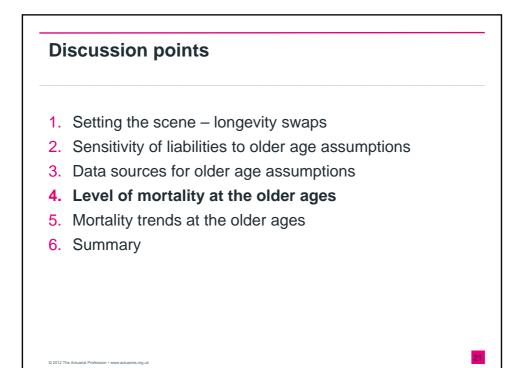


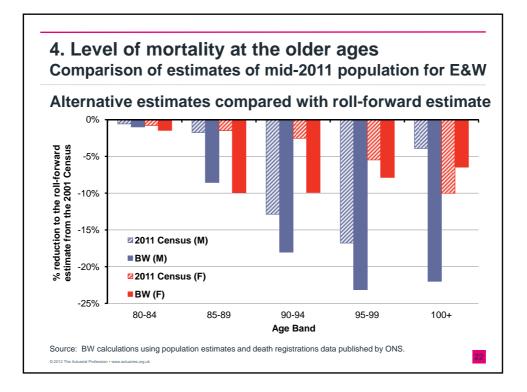


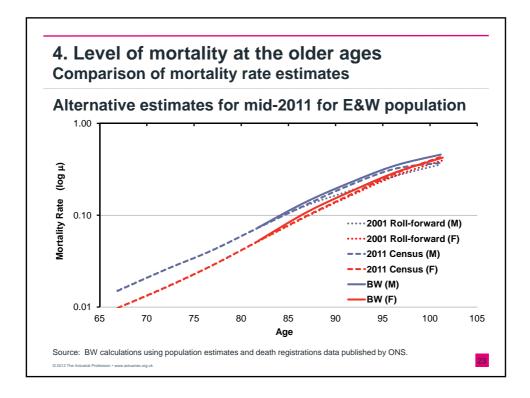


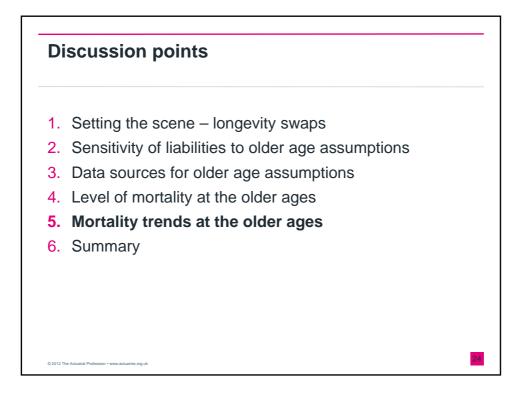


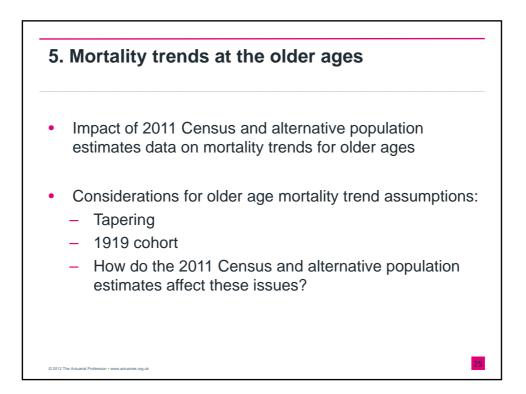
- Alternative applications of K-T methodology
- ONS
  - Use Census roll-forward method to estimate population at individual ages to age 89, plus a total for ages 90+
  - Use Kannisto-Thatcher method to allocate 90+ total to individual ages
  - Survivor ratios modified to fit constraint on total for 90+
- Alternative (described as 'BW' Barnett Waddingham)
  - Apply K-T methodology without constraint to 90+ total
  - Use simple linear projection of observed survivor ratios

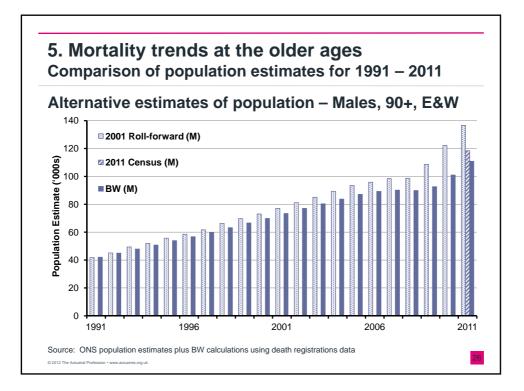


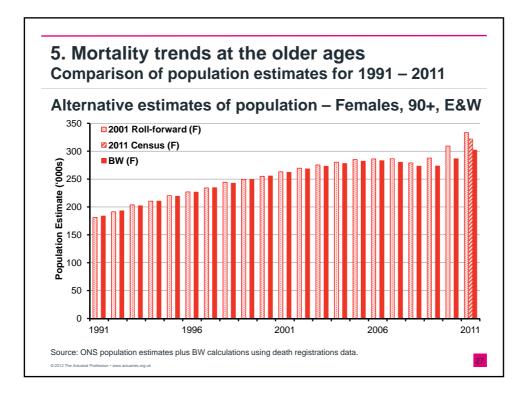


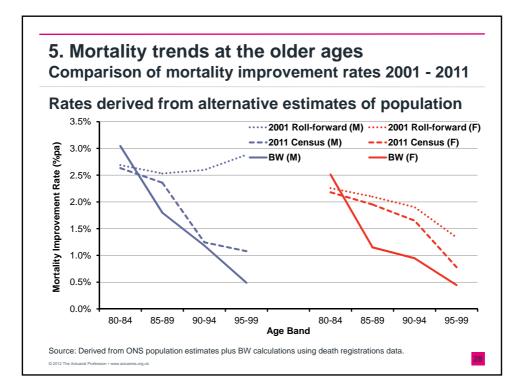


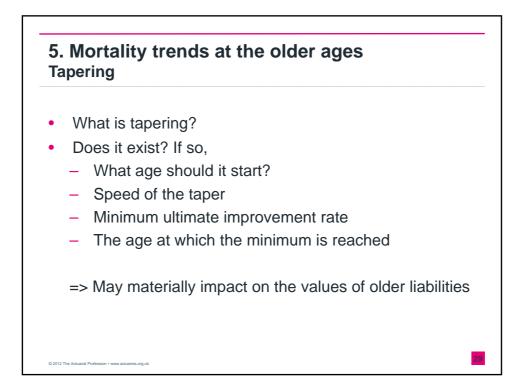


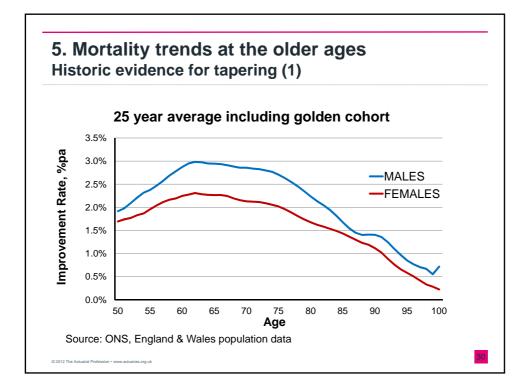


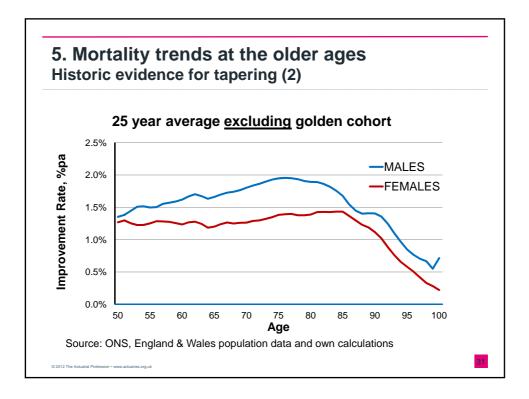


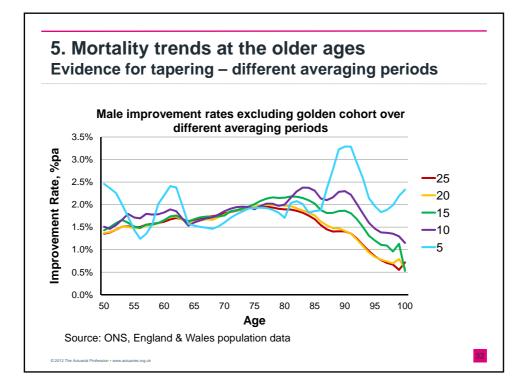


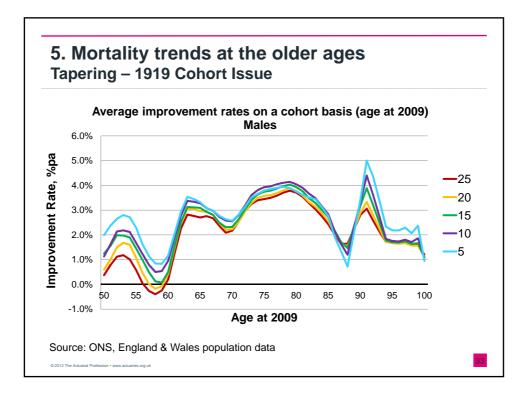


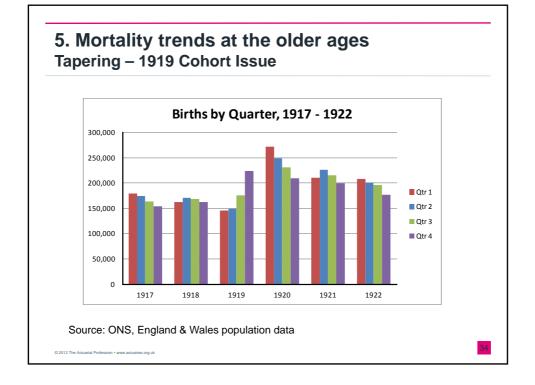


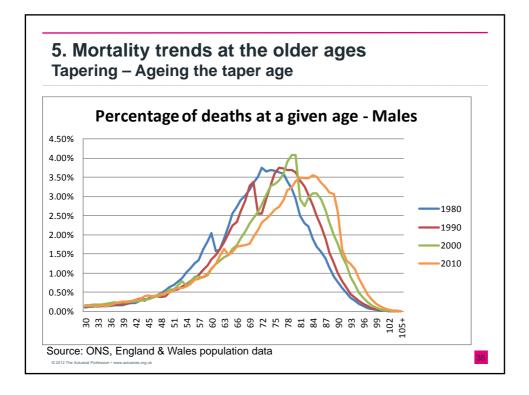


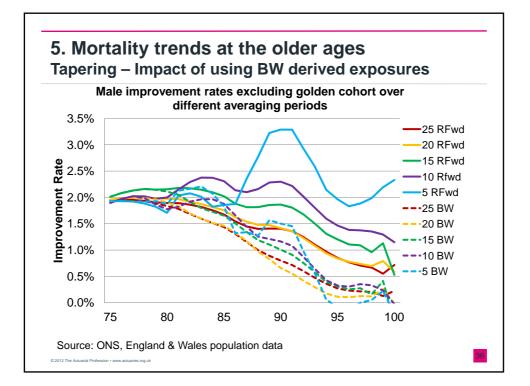


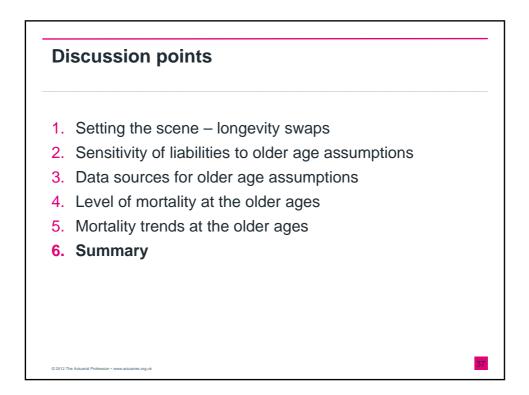












19

