

### Identified outlier years of mortality indices by cause of death and model

The mortality models	$\kappa_{t(j)}^{(1)}$		$\kappa_{t(j)}^{(2)}$		$\kappa_{tj}^{(3)}$	
	Males	Females	Males	Females	Males	Females
Poisson Lee–Carter	IV: 1970, 1972–1975	IV: 1970–1975				
Poisson Carter–Lee						
Binomial Lee–Carter	IV: 1970, 1973–1975	IV: 1970–1975				
Binomial Carter–Lee						
Poisson Lee–Carter with two factors	I: 2003, 2005; IV: 1974–1975; X: 1971	VI: 1979–1980	X: 1971	VI: 1979		
Poisson Lee–Carter with two factors (multi-population extension)	IX: 1973	IV: 1970–1975				
Binomial Lee–Carter with two factors	I: 2003, 2005; IV: 2004–2005; X: 1971	I: 2003; VI: 1979	X: 1971	VI: 1979		
Binomial Lee–Carter with two factors (multi-population extension)	IX: 1972–1978	IV: 1970–1975	I: 1971; XIV: 1971			
CBD	IV: 1970, 1973–1975	IV: 1970–1975	I: 1994, 2020–2021			
CBD (multi-population extension)						
reduced Plat with three factors	IV: 1970–1975; X: 1980	IV: 1973–1974; VI: 1979–1980	VI: 1971; IX: 2012–2019; X: 1971	VI: 1980–1982; XIV: 2016, 2021; XX: 2021	VI: 1971, 1990; X: 1971; XI: 1971	II: 1971; IV: 2019; VI: 1981; IX: 2017–2018, 2021; X: 1971, 1973; XIV: 2003, 2016, 2021; XX: 2006
reduced Plat with three factors (multi-population extension)			IX: 2017; XIV: 1971		IX: 2017–2019; XIV: 1970–1971; XX: 1990	
reduced Plat with two factors	IV: 1970, 1973–1975	IV: 1970–1975	I: 2021			
reduced Plat with two factors (multi-population extension)			I: 1970, 1994, 2020–2021; XIV: 2018	XIV: 2021		

#### Causes of death:

- I Certain infectious and parasitic diseases,
- II Neoplasms,
- IV Endocrine, nutritional and metabolic diseases,
- VI Diseases of the nervous system,
- IX Diseases of the circulatory system,
- X Diseases of the respiratory system,
- XI Diseases of the digestive system,
- XIV Diseases of the genitourinary system,
- XX External causes of morbidity and mortality