



Supplementary Figure S1: Plot for residual of Ljung-Box statistics of best fitted ARIMA models of age-related hearing loss (A) ASPR ARIMA (2,1,0) (B) YLD ARIMA (2,0,1) (C) Number Prevalence ARIMA (1,2,0) (D) Number YLD ARIMA (2,1,0)

**Table 1S. Joinpoint analysis results showing the annual percentage change in age-standardised rates for prevalence and YLD(Year Lived with Disability) of Hearing Loss in South Asia from 1990 to 2021.**

Prevalence					
Number of Prevalence			Age-standardised Prevalence rate		
Segments	Year	APC (95 % C.I)	Segments	Year	APC (95 % C.I)
1	1990-1993	2.9623* (2.8174 to 3.1564)	1	1990-1993	0.3837* (0.2517 to 0.5742)
2	1993-2009	2.7131* (2.693 to 2.7259)	2	1993-2000	0.1285* (0.0346 to 0.1741)
3	2009-2014	3.0706* (2.9901 to 3.212)	3	2000-2008	-0.1893* (-0.2518 to -0.1477)
4	2014-2021	2.8218* (2.7389 to 2.8669)	4	2008-2019	0.1211* (0.0833 to 0.1431)
			5	2019-2021	0.4704* (0.246 to 0.6097)
AAPC	1990-2021	2.8193* (2.8087 to 2.8282)	AAPC	1990-2021	0.0904* (0.0792 to 0.1007)
YLD(Year Lived with Disability)					
Number of YLD			Age-standardised YLD rate		
Segments	Year	APC (95 % C.I)	Segments	Year	APC (95 % C.I)
1	1990-1993	3.1440* (2.941 to 3.4553)	1	1990-1994	0.3593* (0.2603 to 0.5442)
2	1993-2000	2.6792* (2.57 to 2.7825)	2	1994-2000	0.0407 (-0.0573 to 0.1138)
3	2000-2009	2.4585* (2.3267 to 2.5032)	3	2000-2009	-0.3601* (-0.4039 to -0.3276)
4	2009-2014	2.9681* (2.8492 to 3.1953)	4	2009-2021	0.0169 (-0.0036 to 0.038)
5	2014-2021	2.6499* (2.5244 to 2.7124)			
AAPC	1990-2021	2.6998* (2.6849 to 2.7143)	AAPC	1990-2021	-0.0441* (-0.0525 to -0.0354)