

sFigure 1. GI cancers are the leading cause of incidence and mortality in the Asian population. (A) The incident number in 2019 for cancers in the Asian population. (B) Change in the proportion of incidence from GI cancers relative to all cancer incidence in the Asian population 1990–2019. (C) The death number in 2019 for cancers in the Asian population. (D) Change in the proportion of mortality from GI cancers relative to all cancer mortality in the Asian population 1990–2019.

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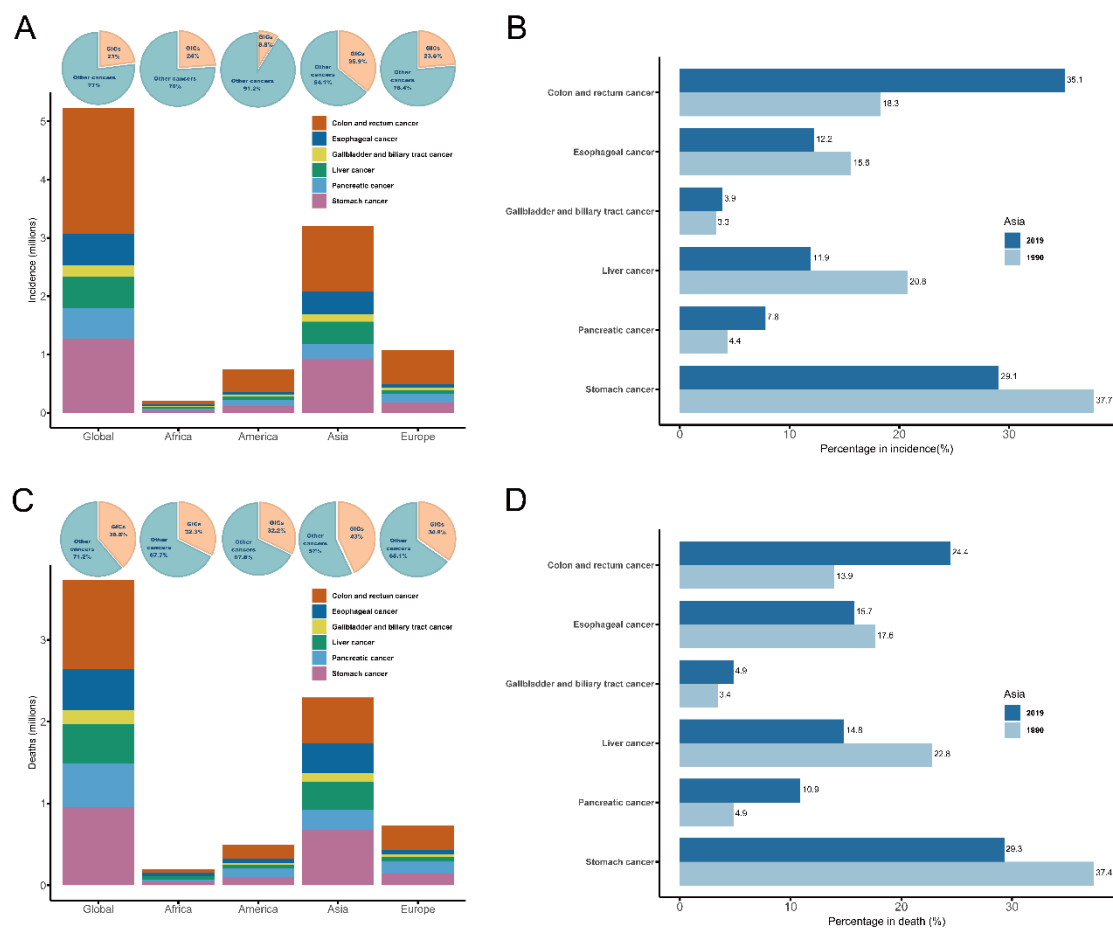
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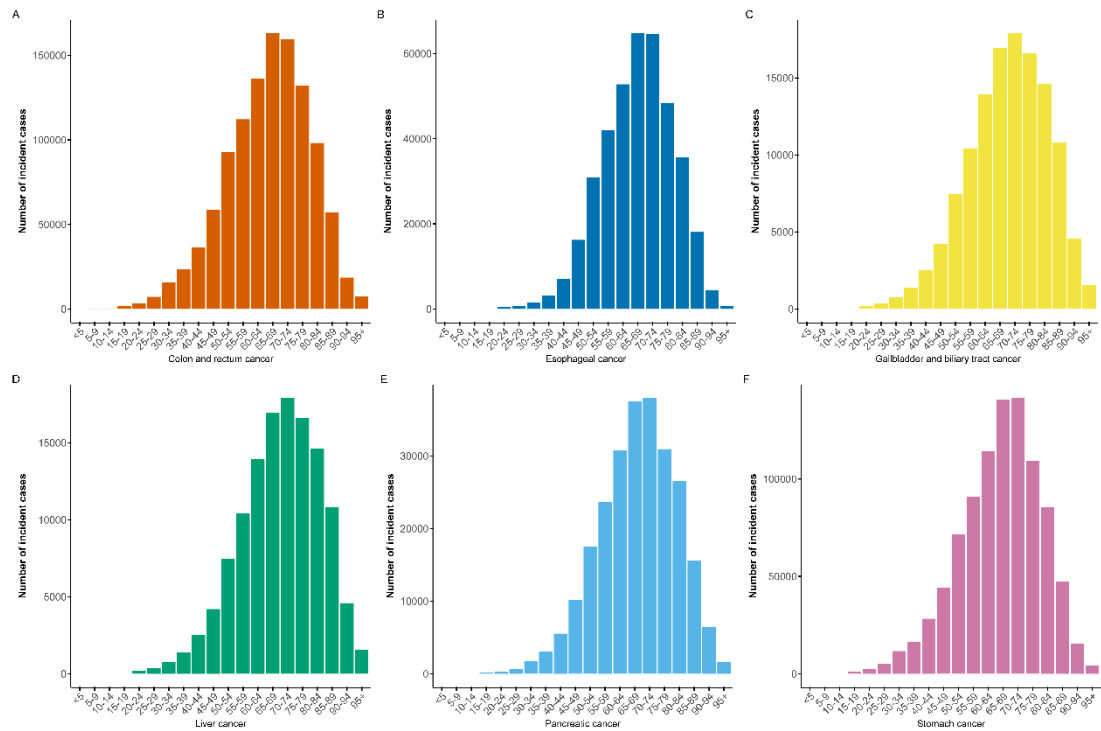
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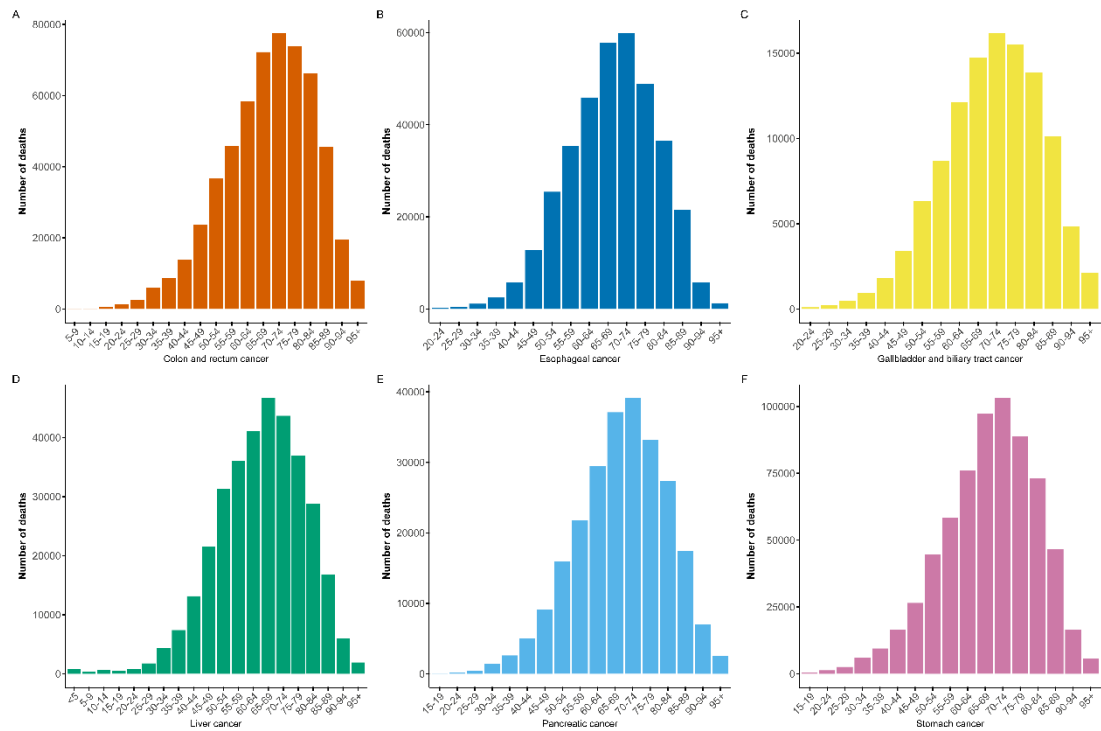
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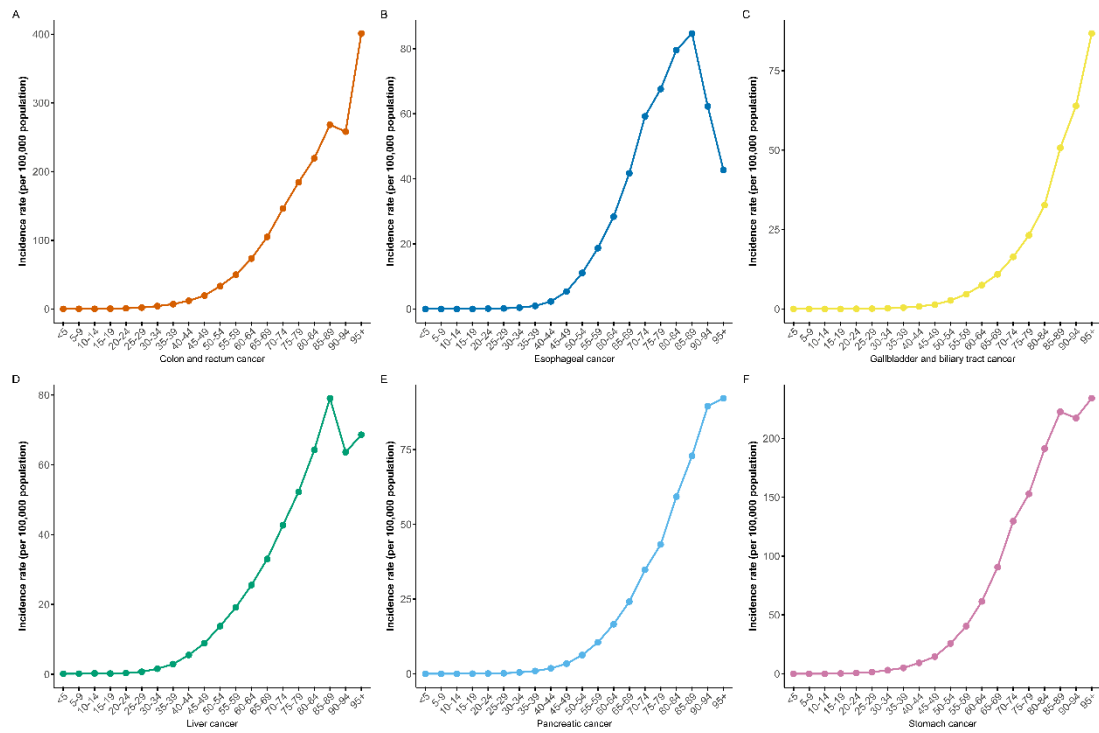
sFigure 2. Incident counts of six GI cancers in 2019.



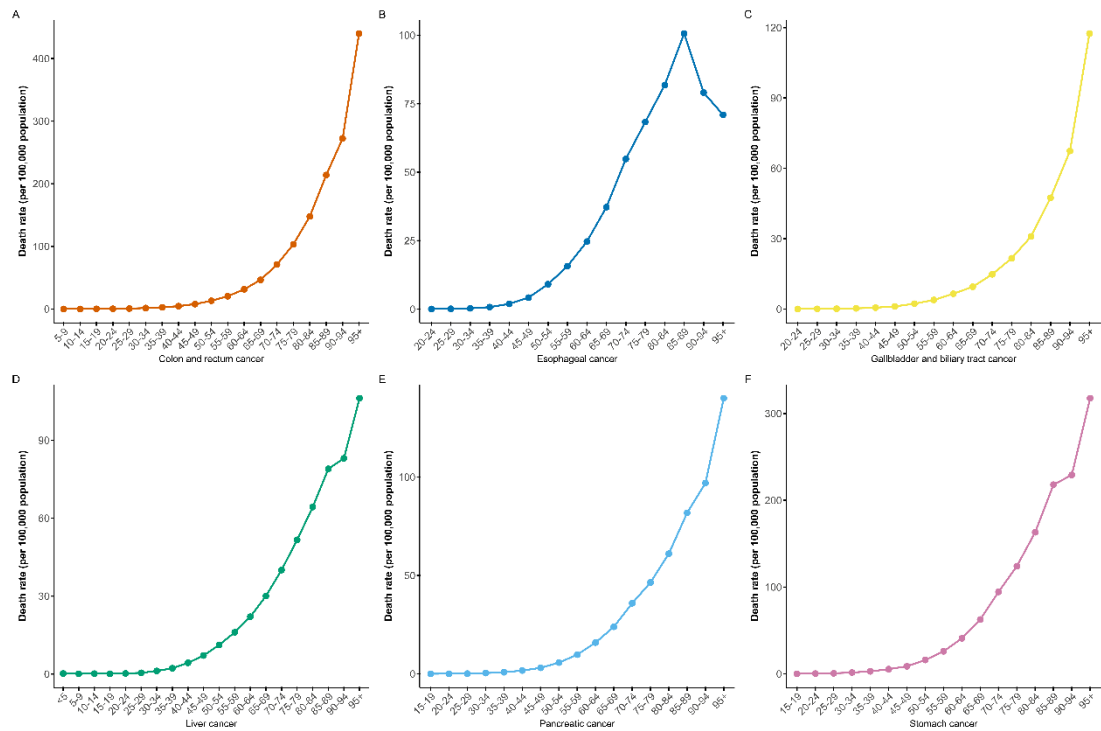
sFigure 3. Death counts of six GI cancers in 2019.



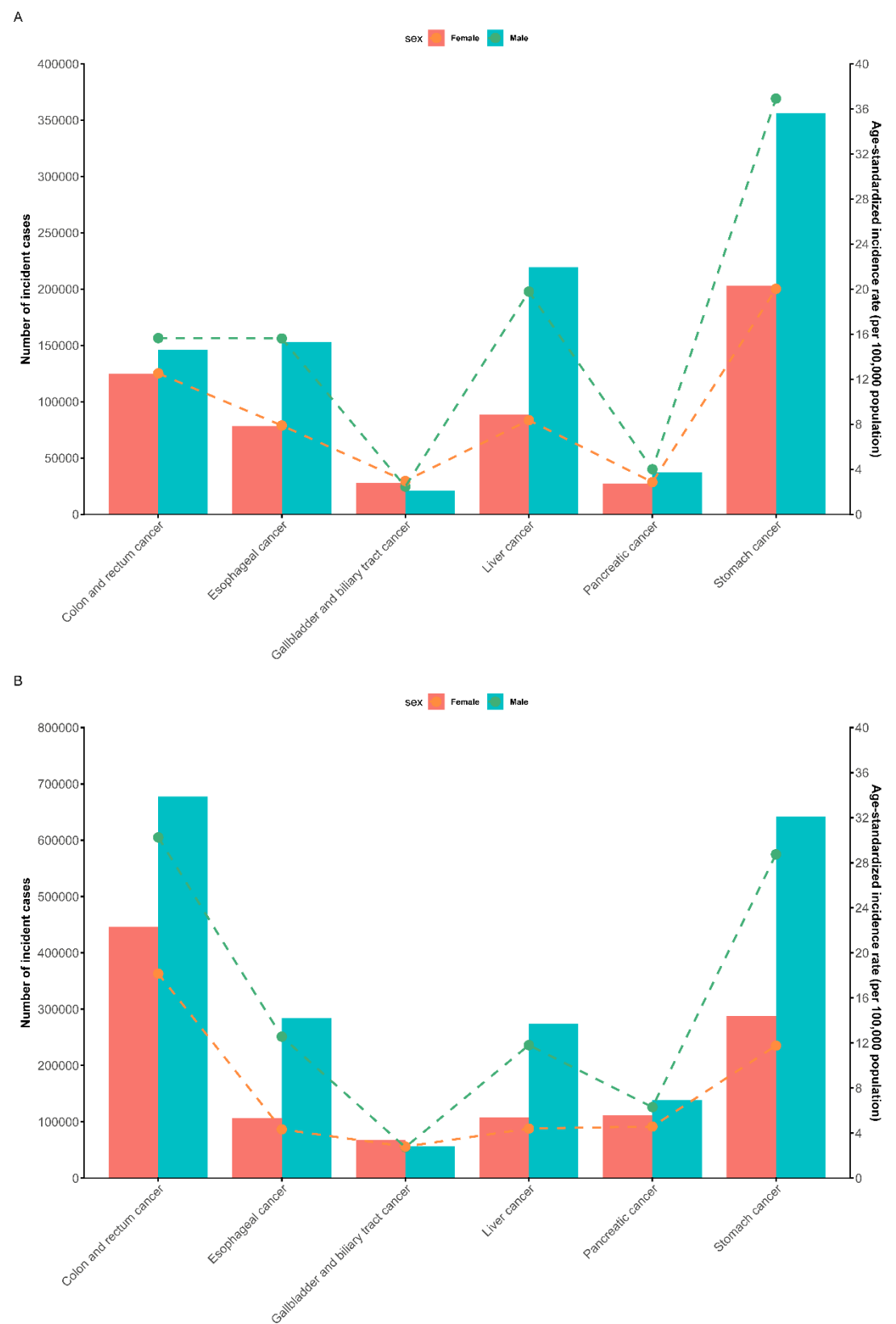
sFigure 4. Incidence rate of six GI cancers in 2019.



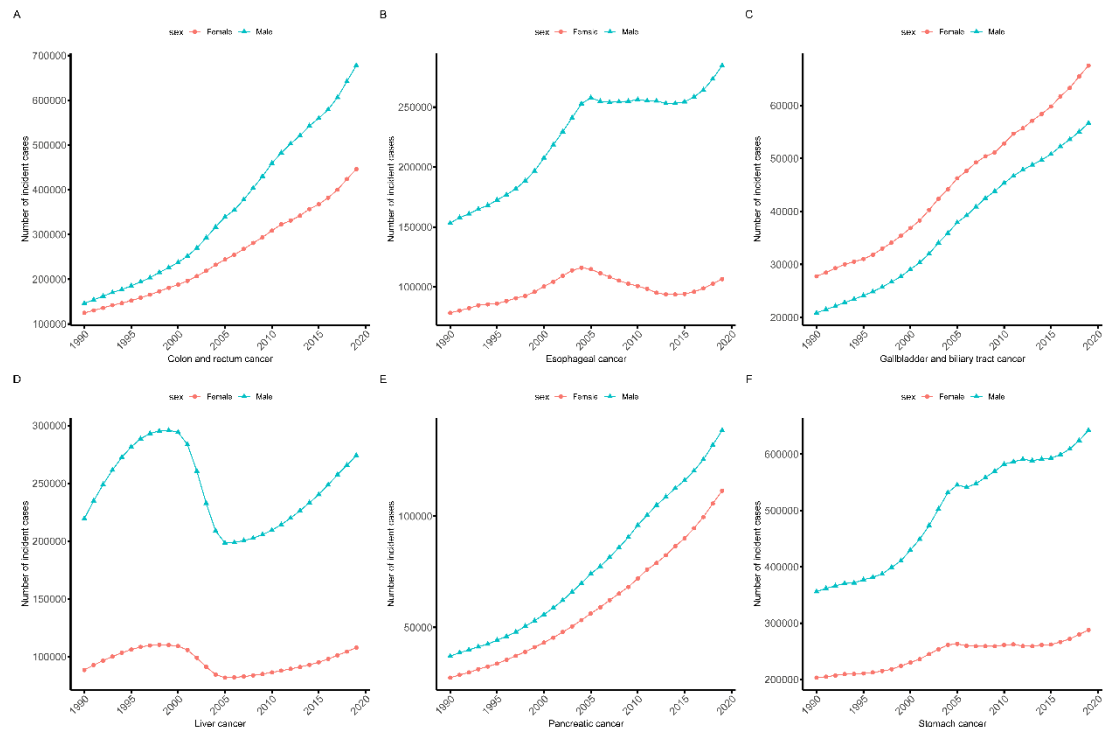
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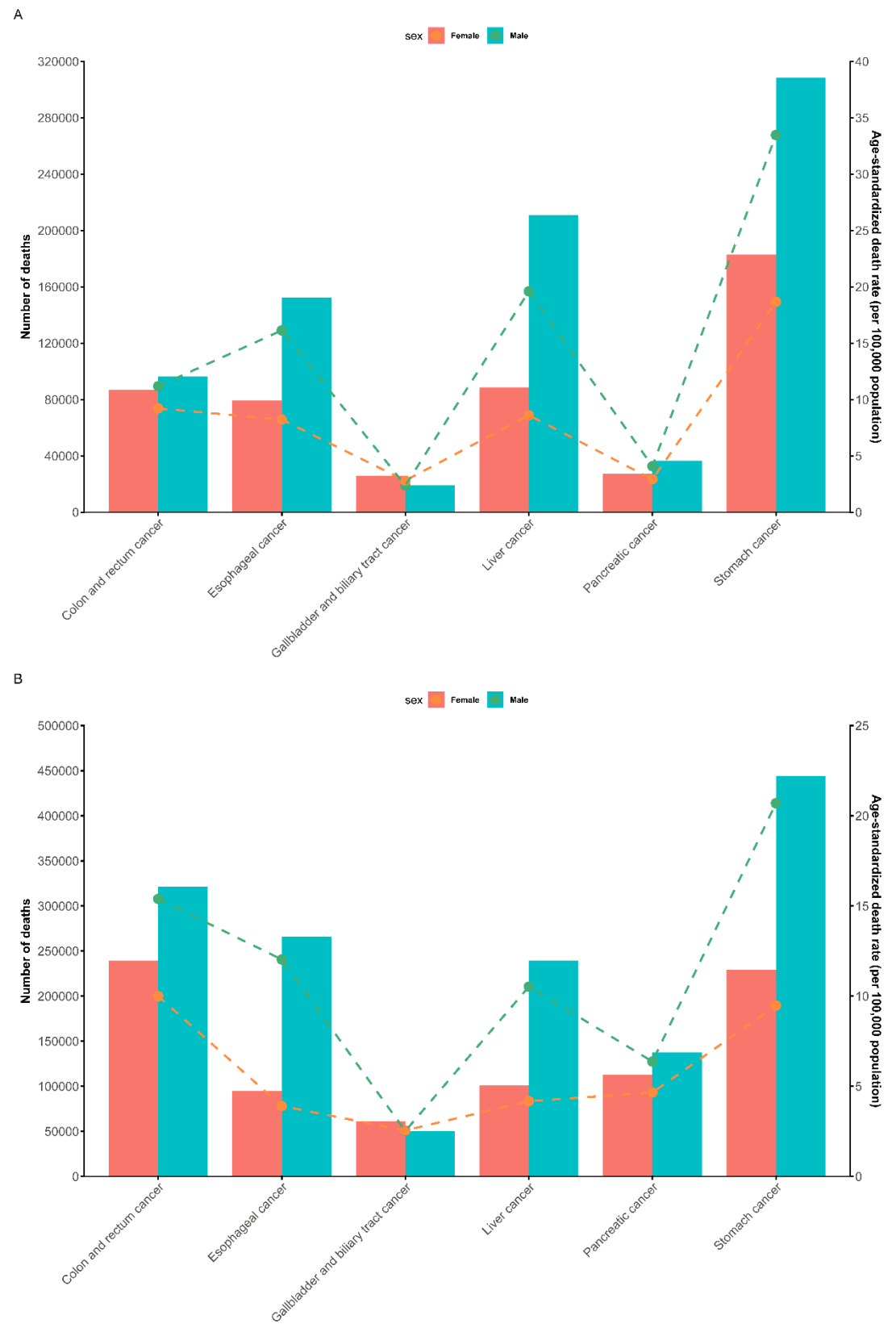
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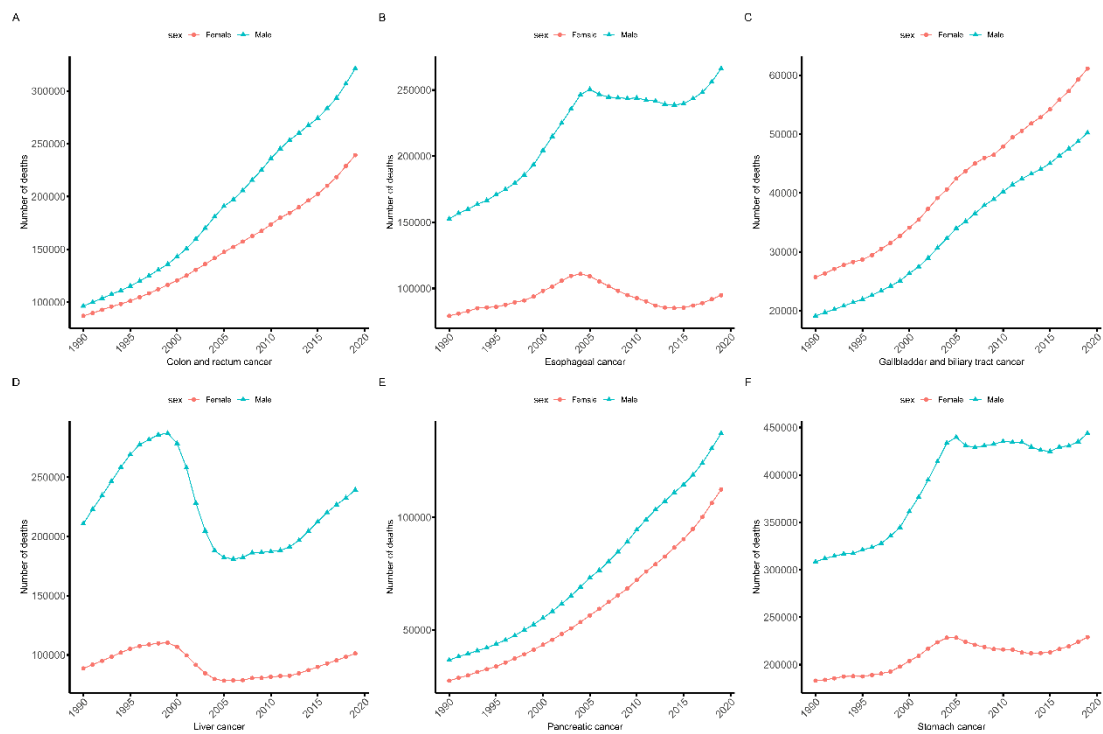


Figure 10. The relationship between EAPC in ASIR and SDI in 2019 for GI cancers.

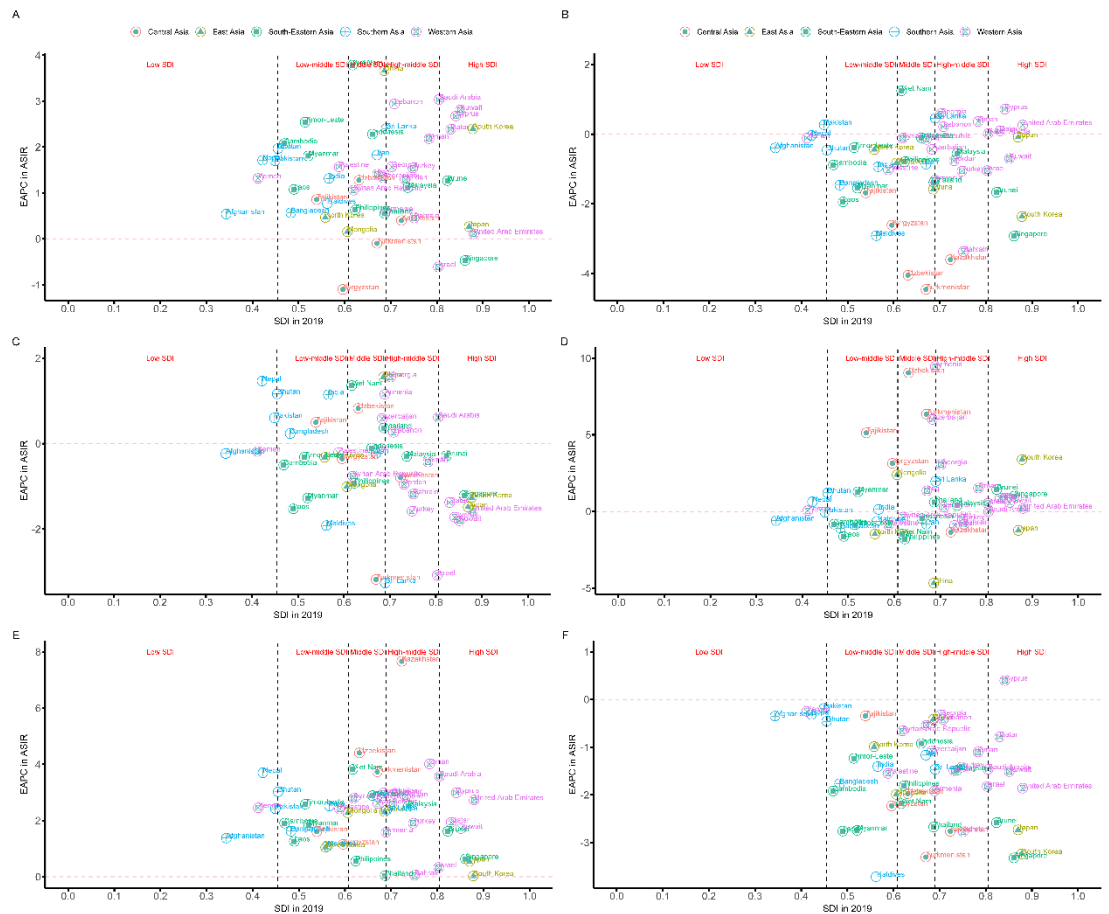
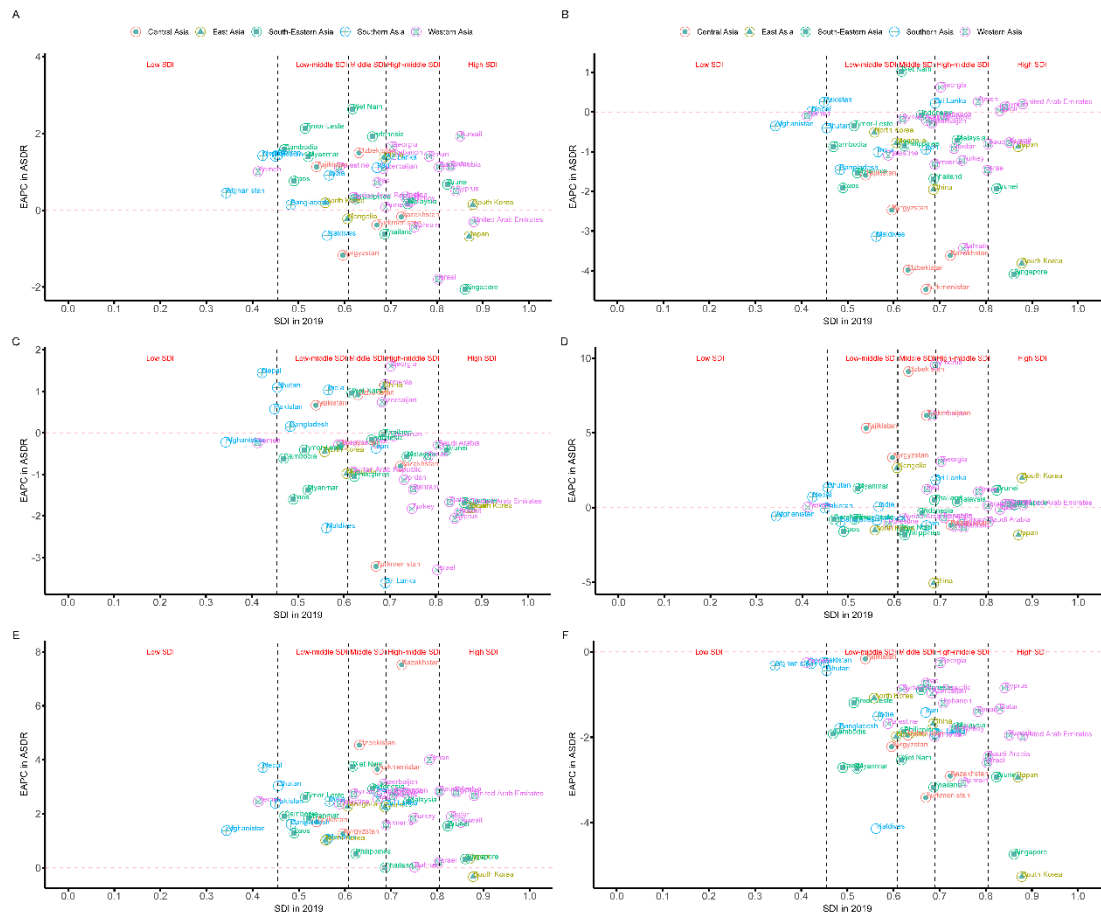
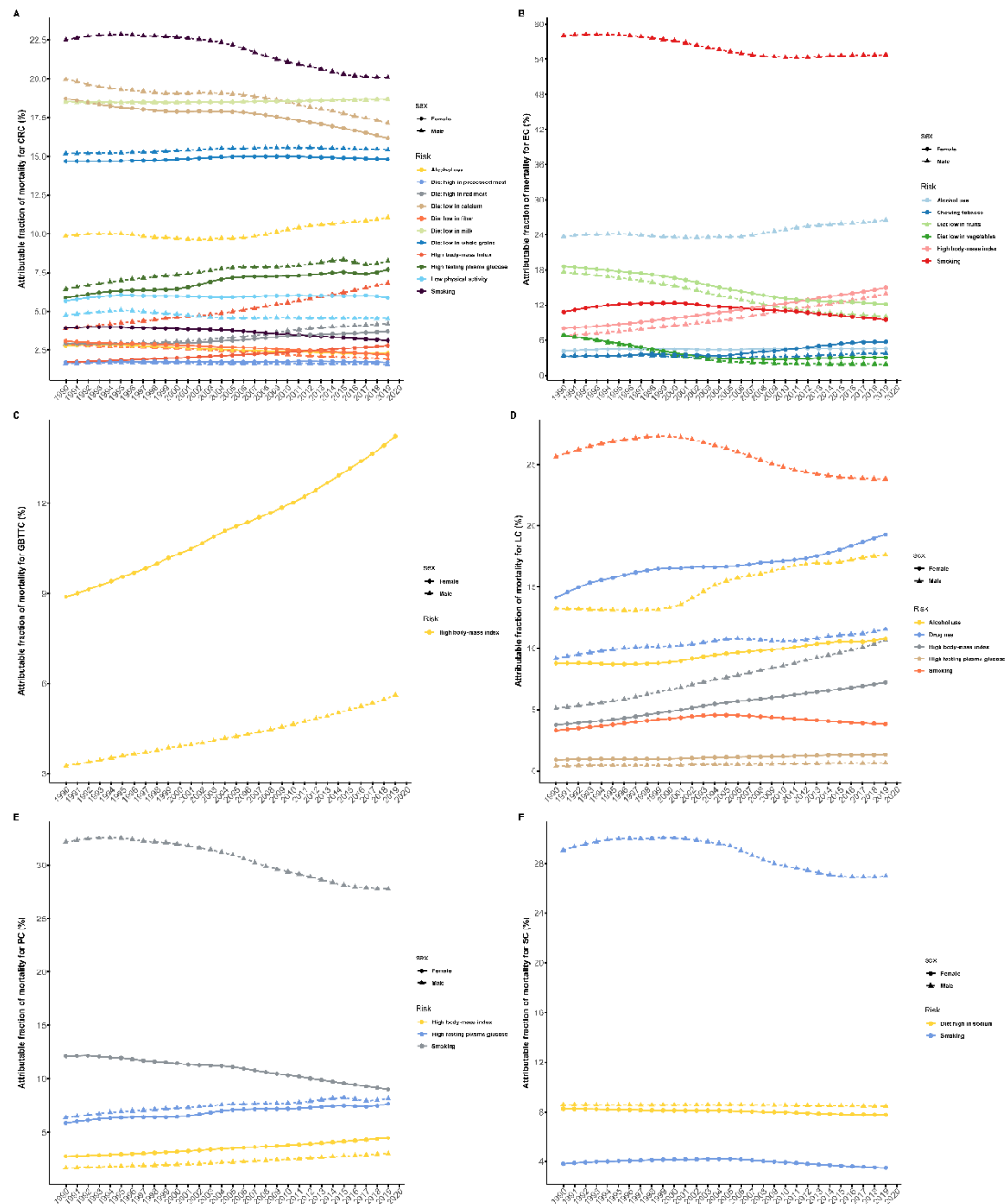


Figure 11. The relationship between EAPC in ASIR and SDI in 2019 for GI cancers.



sFigure 12. Temporal trends of risk factor population attributable fractions for GI cancers in Asia, 1990–2019.



sTable 1. Definition of common variables in this study.

Measure	Number	Percent	Rate
Incidence	Number of new cases in the population	The proportion of new cases of a particular cause relative to cases from all causes	New cases per 100,000 population
Prevalence	Total number of cases in the population	The proportion of total cases of a particular cause relative to cases from all causes	Total cases per 100,000 population
Disability-adjusted life years (DALYs)	Number of DALYs in the population	The proportion of DALYs for a particular cause relative to DALYs for all causes	DALYs per 100,000 population
Mortality (deaths)	Number of deaths in the population	The proportion of deaths for a particular cause relative to deaths from all causes	Deaths per 100,000 population

Note: All definitions were obtained from the Global Burden of Diseases Study 2019 code book.

sTable 2. SDI Levels of Asian Countries in 2019.

Region	Country	SDI level
Central Asia	Kazakhstan	High-middle SDI
	Kyrgyzstan	Middle SDI
	Tajikistan	Middle SDI
	Turkmenistan	Low-middle SDI
	Uzbekistan	Low-middle SDI
East Asia	China	Middle SDI
	Japan	High SDI
	Mongolia	Low-middle SDI
	North Korea	Low-middle SDI
	South Korea	High SDI
South-Eastern Asia	Brunei	High SDI
	Cambodia	Low-middle SDI
	Indonesia	Middle SDI
	Laos	Low-middle SDI
	Malaysia	High-middle SDI
	Myanmar	Low-middle SDI
	Philippines	Middle SDI
	Singapore	High SDI
	Thailand	Middle SDI
	Timor-Leste	Low-middle SDI
	Viet Nam	Low-middle SDI
Southern Asia	Afghanistan	Low SDI
	Bangladesh	Low-middle SDI
	Bhutan	Low-middle SDI

Western Asia	India	Low-middle SDI
	Iran	Middle SDI
	Maldives	Low-middle SDI
	Nepal	Low SDI
	Pakistan	Low SDI
	Sri Lanka	High-middle SDI
	Armenia	Middle SDI
	Azerbaijan	Middle SDI
	Bahrain	High-middle SDI
	Cyprus	High SDI
	Georgia	High-middle SDI
	Iraq	Middle SDI
	Israel	High-middle SDI
	Jordan	High-middle SDI
	Kuwait	High SDI
	Lebanon	High-middle SDI
	Oman	High-middle SDI
	Palestine	Low-middle SDI
	Qatar	High SDI
	Saudi Arabia	High-middle SDI
	Syrian Arab Republic	Low-middle SDI
	Turkey	High-middle SDI
	United Arab Emirates	High SDI
	Yemen	Low SDI

Abbreviations: SDI: Sociodemographic index.

sTable 3. Asian Age-Standardized Rates (per 100,000) of Incidence and Deaths for Different Sexes by Gastrointestinal Cancers in 1990 and 2019.

	1990		2019	
	Male (95% UI)	Female (95% UI)	Male (95% UI)	Female (95% UI)
Incidence				
Colon and rectum cancer	15.65 (14.58-16.97)	12.52 (11.48-13.63)	30.25 (26.61-34.47)	18.16 (15.73-20.55)
Esophageal cancer	15.62 (11.45-18.05)	7.89 (5.26-9.09)	12.56 (10.28-14.89)	4.33 (3.39-5.10)
Gallbladder and biliary tract cancer	2.46 (2.20-2.96)	2.96 (2.53-3.87)	2.75 (1.99-3.15)	2.80 (2.00-3.24)
Liver cancer	19.78 (16.92-23.01)	8.36 (7.19-9.81)	11.81 (10.31-13.54)	4.40 (3.78-5.04)
Pancreatic cancer	4.00 (3.59-4.44)	2.86 (2.65-3.08)	6.31 (5.55-7.11)	4.58 (3.96-5.17)
Stomach cancer	36.92 (33.26-40.68)	20.02 (18.10-21.97)	28.75 (24.62-33.56)	11.76 (10.15-13.36)
Deaths				
Colon and rectum cancer	11.19 (10.31-12.35)	9.22 (8.35-10.17)	15.39 (13.68-17.15)	9.99 (8.63-11.19)
Esophageal cancer	16.14 (11.69-18.57)	8.22 (5.55-9.41)	12.03 (9.93-14.17)	3.91 (3.13-4.59)
Gallbladder and biliary tract cancer	2.37 (2.11-2.88)	2.81 (2.40-3.76)	2.52 (1.86-2.84)	2.55 (1.82-2.94)
Liver cancer	19.60 (16.73-22.80)	8.61 (7.35-10.12)	10.53 (9.22-11.87)	4.17 (3.60-4.74)
Pancreatic cancer	4.09 (3.67-4.55)	2.93 (2.68-3.14)	6.37 (5.66-7.15)	4.65 (4.01-5.21)
Stomach cancer	33.47 (29.74-37.22)	18.67 (16.62-20.74)	20.70 (17.83-23.58)	9.48 (8.22-10.82)

Abbreviations: UI: Uncertainty interval.

sTable 4. The incident cases, deaths, and their change trends of colon and rectum cancer in Asia countries from 1990 to 2019.

Location	Incidence (95% UI)						Deaths (95% UI)					
	1990			2019			1990-2019			1990		
	No. Incident Cases	ASR		No. Incident Cases	ASR		EAPC in ASR (95% CI)			No. Deaths	ASR	
Afghanistan	563.18 (331.06 to 870.03)	7.91 (4.89 to 11.93)		1168.26 (749.04 to 1605.52)	8.69 (6.04 to 11.55)		0.54 (0.32 to 0.76)			538.72 (324.41 to 818.22)	7.87 (5 to 11.76)	
Armenia	502.67 (478.9 to 528.44)	18.13 (17.29 to 19.1)		880.19 (737.57 to 1035.17)	21.37 (17.85 to 25.01)		0.6 (0.46 to 0.75)			371.51 (354.24 to 391.5)	13.97 (13.3 to 14.72)	
Asia	270850.54 (254554.79 to 288323.22)	13.98 (13.18 to 14.85)		1123664.84 (1013540.99 to 1242691.56)	23.88 (21.54 to 26.4)		2 (1.87 to 2.12)			183251.93 (169868.44 to 196777.67)	10.11 (9.36 to 10.86)	
Azerbaijan	693.68 (641.93 to 747.99)	13.04 (12.07 to 14.02)		1557.79 (1280.25 to 1911.03)	16.32 (13.28 to 20.08)		1.33 (0.78 to 1.89)			540.58 (500.15 to 581.29)	10.55 (9.75 to 11.34)	
Bahrain	24.82 (20.46 to 29.13)	14.16 (11.83 to 16.63)		162.62 (122.54 to 210.7)	16.96 (13.23 to 21.08)		0.46 (0.19 to 0.72)			19.02 (15.73 to 22.44)	12.44 (10.41 to 14.49)	
Bangladesh	2164.87 (1600.05 to 2864.02)	4.66 (3.4 to 6.23)		7167.16 (4965.01 to 10209.42)	5.63 (3.9 to 8)		0.57 (0.43 to 0.7)			2046.51 (1502.43 to 2725.47)	4.62 (3.36 to 6.25)	
Bhutan	10.91 (6.2 to 16.63)	4.6 (2.63 to 6.63)		43.46 (26.26 to 60.66)	8.03 (4.91 to 11.15)		1.97 (1.91 to 2.03)			10.14 (5.77 to 14.51)	4.61 (2.64 to 6.58)	

	to 15.82)	6.54)	to 58.82)	to 10.87)	to 2.02)	to 14.66)	to 6.5)	(22.13 to 48.73)	to 9.42)	to 1.46)
Brunei	38.16 (31.97 to 44.97)	40.74 (34.27 to 47.57)	138.44 (121.53 to 158.7)	49.38 (43.44 to 55.88)	1.27 (1 to 1.53)	25.23 (21.18 to 29.72)	30.25 (25.59 to 35.26)	72.47 (63.86 to 82.05)	30.26 (26.58 to 34.1)	0.67 (0.4 to 0.94)
Cambodia	428.83 (328.24 to 554.01)	9.33 (7.36 to 12.07)	1982.79 (1562.53 to 2416.38)	16.67 (13.29 to 20)	2.08 (2 to 2.15)	389.65 (302.72 to 505.88)	9.03 (7.24 to 11.72)	1561.46 (1240.48 to 1880.72)	14.02 (11.24 to 16.54)	1.58 (1.53 to 1.64)
China	105911 (93808.32 to 119020.53)	12.52 (11.15 to 14.03)	607900.06 (521804.88 to 708420.39)	30.55 (26.37 to 35.5)	3.66 (3.37 to 3.95)	79322.16 (69661.31 to 89294.63)	10.18 (9.03 to 11.37)	261776.61 (224403.78 to 303317.85)	13.86 (11.92 to 16.01)	1.39 (1.14 to 1.63)
Cyprus	160.06 (141.01 to 181.97)	20.45 (18.17 to 23.34)	739.03 (637.73 to 843.46)	38.15 (33.1 to 43.43)	2.68 (2.29 to 3.06)	95.95 (84.48 to 108.98)	13.28 (11.7 to 15.1)	265.29 (229.77 to 301.34)	14.32 (12.4 to 16.32)	0.5 (0.28 to 0.73)
Georgia	970.69 (891.51 to 1057.3)	15.66 (14.41 to 17.02)	1096.29 (920.44 to 1283.98)	19.13 (16.02 to 22.48)	1.57 (1.05 to 2.09)	673.05 (618.5 to 731.49)	11.08 (10.21 to 12.04)	782.23 (659.19 to 913.49)	13.19 (11.08 to 15.44)	1.66 (1.11 to 2.2)
India	24320.46 (21283.69 to 27796.85)	5.59 (4.86 to 6.39)	95111.56 (79686.84 to 110630.62)	8.59 (7.22 to 9.94)	1.32 (1.16 to 1.47)	21971.06 (19161.8 to 25094.89)	5.47 (4.77 to 6.25)	79097.99 (67137.46 to 92723.53)	7.5 (6.35 to 8.76)	0.91 (0.77 to 1.06)
Indonesia	9508.98 (7235.76 to 11370.58)	9.53 (7.35 to 11.28)	39109.59 (26894.96 to 49833.46)	18.53 (12.63 to 23.42)	2.28 (2.19 to 2.37)	8267.24 (6314.55 to 9806.57)	8.94 (6.9 to 10.57)	30241.67 (20641.68 to 38807.12)	15.58 (10.54 to 19.86)	1.92 (1.83 to 2.02)

Iran	2162.14 (1773.72 to 2612.98)	8.35 (6.8 to 10.06)	10182.61 (9380.6 to 11028.65)	13.88 (12.76 to 15.07)	1.83 (1.68 to 1.97)	1665.01 (1369.38 to 1996.74)	7.17 (5.85 to 8.59)	6413.14 (5903.16 to 6907.73)	9.31 (8.53 to 10.08)	1.11 (0.95 to 1.27)
Iraq	631.69 (459.76 to 867.54)	8.02 (5.84 to 10.85)	2646.81 (2045.34 to 3379.24)	11.13 (8.73 to 13.83)	1.41 (1.13 to 1.68)	541.17 (394.86 to 739.14)	7.2 (5.27 to 9.77)	1797.29 (1401.39 to 2257.99)	8.32 (6.58 to 10.16)	0.72 (0.52 to 0.93)
Israel	1537.65 (1453.23 to 1618.8)	31.87 (30.08 to 33.55)	3893.19 (3050.35 to 4899.63)	33.64 (26.3 to 42.59)	-0.61 (-0.97 to -0.26)	1036.01 (976.25 to 1085.06)	22.01 (20.69 to 23.07)	2007.88 (1796.58 to 2172.02)	16.56 (14.91 to 17.85)	-1.8 (-2.11 to -1.48)
Japan	71183.83 (68046.35 to 73123.17)	42.2 (40.23 to 43.4)	160210.9 (130730.43 to 186830.81)	47.59 (40.18 to 55.59)	0.27 (0.17 to 0.36)	30607.54 (29005.45 to 31367.7)	18.7 (17.61 to 19.23)	63742.03 (53255.69 to 69583.94)	15.85 (13.93 to 16.93)	-0.68 (-0.73 to -0.63)
Jordan	191.87 (154.43 to 235.64)	14.11 (11.37 to 17.35)	1257.9 (1036.6 to 1520.49)	19.14 (15.96 to 22.86)	1.29 (1.16 to 1.42)	153.96 (125.23 to 188.03)	12.41 (9.99 to 15.13)	753.93 (628.46 to 901.19)	13.07 (10.93 to 15.46)	0.35 (0.24 to 0.45)
Kazakhstan	2465.79 (2337.71 to 2595.96)	19.24 (18.26 to 20.23)	3378.11 (2927.37 to 3878.27)	19.72 (17.18 to 22.45)	0.4 (0.22 to 0.58)	1881 (1787.73 to 1974.92)	15.15 (14.37 to 15.9)	2190.13 (1905.73 to 2490.52)	13.5 (11.79 to 15.28)	-0.17 (-0.32 to -0.02)
Kuwait	63.99 (57.49 to 70.28)	10.12 (8.97 to 11.3)	454.4 (376.53 to 544.56)	17.78 (14.65 to 21.32)	2.81 (2.36 to 3.26)	40.1 (35.84 to 44.19)	7.36 (6.44 to 8.29)	223.23 (187.33 to 265.37)	10.14 (8.41 to 12.04)	1.93 (1.46 to 2.41)
Kyrgyzstan	430.17 (403.31 to 459.89)	13.94 (13.07 to 14.92)	472.34 (411.81 to 540.82)	10.52 (9.21 to 11.99)	-1.1 (-1.37 to -0.83)	342.59 (321.05 to 365.8)	11.34 (10.63 to 12.12)	345.78 (303.56 to 393.88)	8.24 (7.25 to 9.34)	-1.17 (-1.38 to -0.96)
Laos	222.35	10.44 (7.19 to 13.69)	655.86	14.9 (10.64 to 19.16)	1.08 (1 to 1.26)	205.9	10.23 (7.16 to 13.3)	545.37	13.33 (9.6 to 17.06)	0.76 (0.7 to 0.82)

	(148.87 to 298.55)	to 13.87)	(464.56 to 874.22)	to 19.54)	1.16)	(139.18 to 273.87)	to 13.55)	(388.58 to 720.61)	to 17.23)	0.82)	
Lebanon	336.62	15.46	1554.77	29.83	2.94 (2.72	274.59	13.42	910.37	17.55	1.45 (1.27	
	(260.64 to 426.57)	(12.13 to 19.4)	(1258.82 to 1990.74)	(24.07 to 38.13)	to 3.15)	(216.01 to 346.43)	(10.63 to 16.76)	(739.52 to 1198.68)	(14.26 to 23.15)	to 1.63)	
Malaysia	1642.92	18.36	7627.36	29.57	1.12 (0.91	1367.95	16.26	4837.79	20.32	0.17 (-0.06	
	(1455.27 to 1836.66)	(16.04 to 20.82)	(5969.98 to 9403.09)	(23.27 to 36.5)	to 1.33)	(1199.58 to 1544.34)	(14.03 to 18.72)	(3829.05 to 5961.92)	(16.15 to 24.85)	to 0.39)	
Maldives	8.67 (6.03 to 11.11)	10.01 (7.4 to 12.5)	41.05 (33.61 to 48.96)	13.8 (11.28 to 16.4)	0.77 (0.57 to 0.97)	7.2 (5.13 to 9.16)	9.2 (6.96 to 11.44)	23.56	8.71 (7.13 to 10.38)	-0.66 (-0.83 to -0.48)	
								27.93)			
Mongolia	100.4	9.47 (7.79 to 11.27)	255.81	11.09 (8.77 to 14.12)	0.16 (0.02 to 0.29)	88.88 (73 to 105.48)	8.76 (7.23 to 10.35)	192.95	9.31 (7.44 to 11.69)	-0.22 (-0.37 to -0.07)	
	(82.29 to 120.18)		(199.15 to 333.44)					(150.35 to 248.36)			
Myanmar	2185.93	9.23 (7.07 to 12.61)	6913.45	15.03 (11.1 to 19.26)	1.81 (1.72 to 1.89)	1989.22	8.91 (7.02 to 12.1)	5581.81	12.82 (9.6 to 16.23)	1.4 (1.31 to 1.49)	
	(1620.57 to 2969.74)		(5085.31 to 9010.81)			(1548.06 to 2705.4)		(4134.72 to 7152.29)			
Nepal	334.3	3.62 (2.35 to 5.05)	1248.95	5.88 (4.22 to 8.15)	1.71 (1.48 to 1.94)	313.37	3.62 (2.33 to 5.14)	1084.43	5.4 (3.89 to 7.42)	1.42 (1.21 to 1.64)	
	(223.48 to 456.69)		(891.29 to 1726.71)			(207.69 to 435.12)		(781.32 to 1501.28)			
North Korea	2329.17	13.93	4986.19	15.42	0.47 (0.32	1642.04	10.62 (8.4 to 13.46)	3442.02	10.89 (8.14 to 13.82)	0.19 (0.13 to 0.26)	
	(1734.69 to 3057.17)	(10.79 to 17.85)	(3708.29 to 6464.44)	(11.47 to 19.91)	to 0.61)	(1250.8 to 2129.57)		(2575.57 to 4379.76)			
Oman	58.38	9.01 (6.25 to 12.26)	251.46	15.32	2.18 (1.86 to 2.51)	44.74	7.73 (5.36 to 10.43)	133.3	10.2 (8.48 to 12.04)	1.4 (1.19 to 1.62)	
	(39.67 to 80.56)		(200.41 to 333.2)	(12.63 to 18.56)		(30.74 to 61.68)		(107.78 to 167.42)			

Pakistan	3110.85 (2688.6 to 3576.29)	5.49 (4.74 to 6.33)	10139.89 (8099.69 to 12938.43)	9.14 (7.33 to 11.63)	1.7 (1.48 to 1.92)	2967.57 (2546.46 to 3430.11)	5.43 (4.66 to 6.3)	8604.81 (6927.21 to 10775.92)	8.34 (6.72 to 10.41)	1.41 (1.17 to 1.64)
Palestine	148.58 (101.1 to 206.47)	17.05 (11.58 to 23.6)	615.74 (521.5 to 716.23)	26.12 (22.15 to 30.27)	1.57 (1.27 to 1.86)	122.77 (83.71 to 168.92)	14.78 (10.08 to 20.25)	419.49 (357.62 to 486.73)	19.6 (16.69 to 22.68)	1.11 (0.88 to 1.35)
Philippines	4662.98 (4155.43 to 5204.39)	14.93 (13.31 to 16.67)	15219.61 (12312.65 to 18708.19)	18.93 (15.42 to 23.14)	0.63 (0.36 to 0.91)	3761.98 (3350.65 to 4195.46)	13.14 (11.71 to 14.61)	11192.86 (9309.42 to 13497.04)	14.89 (12.46 to 17.81)	0.3 (0.03 to 0.57)
Qatar	15.38 (11.92 to 19.91)	15.58 (11.57 to 19.67)	190.81 (137.01 to 258.28)	25.05 (19.33 to 31.85)	2.38 (2.01 to 2.76)	11.36 (8.71 to 14.51)	14.04 (10.44 to 17.84)	83.01 (61.05 to 110.37)	16.48 (12.93 to 20.54)	1.15 (0.84 to 1.45)
Saudi Arabia	388.42 (271.95 to 527.94)	6.64 (4.6 to 8.96)	3166.98 (2417.76 to 4019.12)	15.36 (12.16 to 18.83)	3.04 (2.84 to 3.24)	366.97 (251.08 to 509.02)	6.76 (4.56 to 9.32)	1628.86 (1262.91 to 2044.65)	9.66 (7.79 to 11.64)	1.13 (0.89 to 1.37)
Singapore	931.12 (879.79 to 981.24)	42.95 (40.48 to 45.21)	3093 (2470.54 to 3846.75)	39.93 (31.93 to 49.46)	-0.47 (-0.62 to -0.32)	501.81 (479.35 to 522.42)	24.8 (23.48 to 25.94)	1110.78 (990.84 to 1196.78)	14.89 (13.22 to 16.12)	-2.06 (-2.19 to -1.94)
South Korea	5026.54 (4772.78 to 5316.16)	16.97 (16.02 to 18.04)	32929.03 (27484.11 to 39146.08)	37.16 (31.14 to 44.01)	2.4 (1.98 to 2.82)	3203.84 (3050.76 to 3377.21)	11.81 (11.16 to 12.63)	12004.11 (10649.1 to 13219.62)	13.87 (12.22 to 15.3)	0.15 (-0.08 to 0.38)
Sri Lanka	595.76 (535.8 to 658.36)	5.61 (5.08 to 6.18)	2546.35 (1895.63 to 3346.3)	10.18 (7.63 to 13.19)	2.4 (2.29 to 2.52)	477.59 (432.78 to 525.08)	4.89 (4.41 to 5.37)	1509.56 (1129.08 to 1967.16)	6.41 (4.81 to 8.26)	1.32 (1.2 to 1.44)
Syrian Arab Republic	343.01 (265.04 to 7.87)	6.2 (4.81 to 7.87)	1028.48 (743.68 to 11.28)	8.54 (6.26 to 11.28)	1.06 (0.84 to 1.28)	282.63 (219.04 to 6.93)	5.52 (4.27 to 6.93)	684.91 (498.9 to 8.15)	6.28 (4.7 to 8.15)	0.33 (0.12 to 0.54)

	435.96)			1374.9)				360.47)			907.88)								
Tajikistan	324.48	10.7	(9.85	550.52	11.62	(9.5	0.86	(0.36	260.45	8.87	(8.17	428.24	10.22	(8.41	1.13	(0.68			
	(298.58	to	to 11.68)	(443.13	to	to 14.05)	to 1.35)		(239.83	to	to 9.66)	(346.72	to	to 12.35)	to 1.58)				
	353.57)			673.83)					283.89)			525.52)							
Thailand	4514.61	12.59		17396.91	17.18		0.55	(0.26	3572.09	10.78	(9.5	10532.64	10.54	(7.88	-0.62	(-0.89			
	(4008	to	(11.12	to	(12834.44	to	(12.71	to	to 0.85)	(3164.61	to	to 12.07)	(7839.17	to	to 13.56)	to -0.35)			
	5041.86)		14.08)		22839.08)		22.51)		3995.51)			13572.39)							
Timor-Leste	22.1	(16.27	7.6	(5.71	to	111.65	(76.5	13.91	(9.69	2.54	(2.26	19.84	7.48	(5.61	93.04	12.29	(8.48	2.13	(1.88
	to 30.27)		10.13)		to 143.95)		to 17.85)		to 2.82)			(14.62	to	to 9.89)	(63.82	to	to 15.79)	to 2.38)	
									27.09)			119.4)							
Turkey	5349.76	14.74		18103.61	20.56		1.54	(1.04	4575.69	13.24		11194.28	13.11		0.26	(-0.21			
	(4272.06	to	(11.65	to	(14440.71	to	(16.42	to	to 2.05)	(3636.35	to	(10.44	to	(9054.78	to	(10.62	to	to 0.72)	
	6575.54)		18)		22118.91)		25.01)		5556.57)		16.04)	13548.54)		15.83)					
Turkmenistan	187.33	8.98	(8.56	353.89	9.19	(7.47	-0.1	(-0.6	to	145.91	7.37	(7.01	253.88	7.08	(5.81	-0.38	(-0.81		
	(178.25	to	to 9.44)	(284.43	to	to 11.33)	0.4)			(138.93	to	to 7.76)	(206.6	to	to 8.71)	to 0.05)			
	197.04)			438.74)					153.59)			313.54)							
United Arab Emirates	72.84	19.74		762.26	21.36	(14.7	0.11	(-0.31	55.98	18.55		449.34	17.4	(11.94	-0.31	(-0.73			
	(48.16	to	(12.74	to	(520.53	to	to 29.76)	to 0.53)	(37.11	to	(11.88	to	(306.44	to	to 24.35)	to 0.12)			
	100.76)		26.5)		1030.32)				76.77)		24.75)	608.29)							
Uzbekistan	1070.31	8.85	(8.4	to	2404.19	12.82	(11.1	1.28	(1.15	817.94	7.04	(6.67	1626.42	10.35	(9.07	1.49	(1.37		
	(1016.9	to	9.26)		(2026.3	to	to 14.7)	to 1.41)		(776.29	to	to 7.38)	(1380.78	to	to 11.79)	to 1.62)			
	1120.28)				2825.71)				856.83)			1901.39)							
Viet Nam	3981.22	9.93	(8.03	24869.45	26.36		3.79	(3.64	3483.54	8.98	(7.27	15556.68	17.5	(13.92	2.64	(2.51			
	(3206.59	to	to 11.94)	(19210.76	to	(20.58	to	to 3.93)	(2819.38	to	to 10.68)	(12174.65	to	to 21.05)	to 2.77)				
	4813.57)			30955.96)	32.37)				4170.48)			to							
												18984.66)							

Yemen	275.92	5.66	(3.65	995.63	7.39	(5.56	1.32	(1.17	249.61	5.48	(3.53	832.96	6.66	(5.01	1.01	(0.88
	(177.89	to	to 8.25)	(736.35	to	to 9.99)	to 1.46)		(160.94	to	to 7.97)	(625.53	to	to 9.07)	to 1.14)	
	408.43)			1350)					364.04)			1119.02)				

Abbreviations: ASR, age-standardized rate; EAPC, estimated annual percentage change; UI, uncertainty interval. CI, confidence interval.

sTable 5. The incident cases, deaths, and their change trends of esophageal cancer in Asia countries from 1990 to 2019.

Location	Incidence (95% UI)						Deaths (95% UI)									
	1990			2019			1990-2019		1990			2019			1990-2019	
	No. Incident Cases	ASR		No. Incident Cases	ASR		EAPC in ASR (95% CI)	No. Deaths	ASR		No. Deaths	ASR		EAPC in ASR (95% CI)		
Afghanistan	517.79 (168.57 to 772.49)	7.18 (2.37 to 10.45)		826.87 (265.98 to 1202.99)	6.55 (2.11 to 9.17)		-0.39 (-0.52 to -0.27)	528.73 (173.83 to 776.34)	7.56 (2.51 to 10.81)		832.34 (267.51 to 1201.54)	6.96 (2.25 to 9.7)		-0.35 (-0.47 to -0.24)		
Armenia	61.97 (57.69 to 66.6)	2.3 (2.15 to 2.46)		64.17 (52.41 to 77.07)	6.96 (2.25 to 9.7)		-1.32 (-1.62 to -1.03)	63.69 (59.16 to 68.34)	2.44 (2.28 to 2.61)		67.49 (55.19 to 80.68)	1.62 (1.34 to 1.94)		-1.32 (-1.6 to -1.03)		
Asia	231478.07 (169642.23 to 261086.62)	11.65 (8.56 to 13.08)		391199.8 (332573.47 to 449273.27)	1.53 (1.26 to 1.84)		-1.36 (-1.71 to -1.01)	231782.36 (165264.37 to 261980.38)	12.04 (8.7 to 13.54)		361124.4 (307592.73 to 411840.26)	7.73 (6.57 to 8.8)		-1.71 (-2.07 to -1.36)		
Azerbaijan	491.6 (446.85 to 551.28)	9.69 (8.81 to 11.02)		780.62 (595.42 to 1188.43)	1.62 (1.34 to 1.94)		-0.44 (-0.62 to -0.25)	500.44 (454.33 to 564.05)	10.09 (9.19 to 11.55)		795.68 (600.81 to 1219.76)	9.32 (6.87 to 14.35)		-0.28 (-0.46 to -0.1)		
Bahrain	6.45 (3.69 to 7.85)	4.1 (2.32 to 4.98)		16.38 (11.95 to 21.6)	8.24 (6.96 to 9.43)		-3.37 (-3.69 to -3.05)	6.52 (3.73 to 7.92)	4.42 (2.5 to 5.35)		15.5 (11.22 to 20.51)	2.03 (1.52 to 2.57)		-3.43 (-3.74 to -3.11)		
Bangladesh	2837.96 (2129.49 to 3434.9)	5.99 (4.61 to 7.27)		4982.35 (3522.47 to 7506.75)	7.73 (6.57 to 8.8)		-1.46 (-1.6 to -1.32)	2885.5 (2189.25 to 3489.34)	6.26 (4.88 to 7.61)		5109.94 (3629.21 to 7680.32)	4 (2.87 to 6)		-1.45 (-1.6 to -1.31)		
Bhutan	13.52 (9.45 to 17.93)	5.39 (3.93 to 7.05)		25.92 (18.11 to 36.14)	8.67 (6.49 to 13.36)		-0.46 (-0.6 to -0.32)	13.64 (9.65 to 18.04)	5.68 (4.16 to 7.37)		26.96 (18.98 to 6.86)	5 (3.56 to 6.86)		-0.41 (-0.54 to -0.27)		

													37.25)			
Brunei	4.41 (3.3 to 5.25)	5.03 (3.81 to 5.99)	8.76 (7.34 to 10.8)	9.32 (6.87 to 14.35)	-1.67 (-1.89 to -1.45)	4.19 (3.14 to 4.98)	5.08 (3.86 to 6.06)	7.54 (6.36 to 9.28)	3.03 (2.57 to 3.73)	-1.93 (-2.14 to -1.73)						
Cambodia	160.43 (116.81 to 214.86)	3.5 (2.62 to 4.63)	333.36 (254.8 to 459.92)	1.94 (1.45 to 2.48)	-0.88 (-1.03 to -0.73)	162.72 (119.95 to 217.02)	3.69 (2.77 to 4.86)	338.98 (260.59 to 467.16)	2.97 (2.3 to 4.1)	-0.88 (-1.02 to -0.73)						
China	173686.86 (112107.14 to 203391.29)	20.97 (13.62 to 24.33)	278120.75 (213512.11 to 331599.95)	2.03 (1.52 to 2.57)	-1.58 (-2.03 to -1.13)	176601.61 (112849.1 to 206038.71)	22.08 (14.14 to 25.53)	257315.76 (202776.77 to 309028.63)	13.15 (10.27 to 15.68)	-1.96 (-2.42 to -1.49)						
Cyprus	9.74 (7.89 to 13.09)	1.24 (1 to 1.68)	27.31 (20.64 to 32.7)	3.81 (2.71 to 5.73)	0.72 (0.4 to 1.03)	9.93 (8.08 to 13.28)	1.3 (1.05 to 1.74)	24.37 (18.41 to 28.84)	1.27 (0.97 to 1.5)	0.13 (-0.16 to 0.42)						
Georgia	122.95 (109.53 to 138.29)	1.95 (1.74 to 2.19)	104.31 (85.16 to 125.72)	4 (2.87 to 6)	0.59 (0 to 1.18)	124.09 (110.94 to 139.52)	1.99 (1.79 to 2.23)	108.59 (89.01 to 130.42)	1.85 (1.52 to 2.22)	0.62 (0.03 to 1.22)						
India	18264.47 (15722.42 to 24581.64)	4.03 (3.49 to 5.41)	38515.88 (31813.34 to 55987.78)	4.69 (3.3 to 6.46)	-0.93 (-1.09 to -0.78)	18322.51 (15818.92 to 24505.29)	4.27 (3.68 to 5.67)	38980.65 (32203.1 to 56283.49)	3.49 (2.9 to 5.05)	-1.01 (-1.17 to -0.84)						
Indonesia	2449.2 (2091.3 to 2933.98)	2.46 (2.11 to 2.99)	4988.51 (3956.32 to 7217.65)	5 (3.56 to 6.86)	-0.1 (-0.15 to -0.06)	2472.97 (2107.69 to 3005.43)	2.6 (2.22 to 3.17)	5068.56 (4062.11 to 7232.77)	2.51 (2.02 to 3.58)	-0.07 (-0.12 to -0.03)						
Iran	1338.56 (965.11 to 1583.91)	5.46 (3.9 to 6.73)	3031.12 (2417.3 to 3332.36)	3.25 (2.76 to 3.99)	-0.86 (-0.95 to -0.77)	1355.39 (968.26 to 1617.01)	5.89 (4.16 to 7.31)	3069.07 (2419.74 to 3361.15)	4.54 (3.54 to 4.99)	-0.95 (-1.03 to -0.87)						

Iraq	96.77 (73.46 to 120.85)	1.25 (0.95 to 1.56)	291.06 (221.3 to 368.03)	3.03 (2.57 to 3.73)	-0.15 (-0.22 to -0.08)	98.93 (75.47 to 123.79)	1.31 (1 to 1.63)	286.19 (218.68 to 357.86)	1.3 (1.01 to 1.59)	-0.21 (-0.28 to -0.14)
Israel	91.82 (84.31 to 100.8)	1.91 (1.76 to 2.1)	188.89 (144.81 to 240.15)	2.82 (2.17 to 3.89)	-1.05 (-1.18 to -0.91)	97.85 (89.3 to 107.62)	2.06 (1.88 to 2.26)	182.19 (159.24 to 204.5)	1.53 (1.35 to 1.71)	-1.46 (-1.59 to -1.34)
Japan	11280.99 (10856.95 to 11603.64)	6.57 (6.31 to 6.76)	21521.04 (17653.84 to 25787.66)	2.97 (2.3 to 4.1)	-0.09 (-0.29 to 0.12)	8371.99 (8052.26 to 8571.85)	4.93 (4.72 to 5.05)	13999.66 (12469.41 to 15103.03)	3.91 (3.59 to 4.19)	-0.87 (-0.99 to -0.76)
Jordan	17.04 (13.67 to 20.85)	1.32 (1.07 to 1.6)	73.3 (58.01 to 90.72)	13.9 (10.7 to 16.52)	-0.76 (-0.88 to -0.65)	17.2 (13.94 to 20.99)	1.41 (1.15 to 1.69)	70.7 (56.35 to 87.45)	1.16 (0.95 to 1.43)	-0.92 (-1.04 to -0.81)
Kazakhstan	2473.13 (2351.33 to 2616.02)	19.99 (19.01 to 21.12)	1238.31 (1052.34 to 1447.23)	13.15 (10.27 to 15.68)	-3.6 (-3.76 to -3.44)	2574.17 (2446.56 to 2720.84)	21.27 (20.18 to 22.45)	1276.38 (1088.27 to 1481.63)	7.8 (6.67 to 9.02)	-3.61 (-3.77 to -3.46)
Kuwait	10.44 (9.09 to 11.87)	1.8 (1.53 to 2.07)	34.93 (28.06 to 43.07)	1.41 (1.08 to 1.69)	-0.7 (-1.03 to -0.36)	10.07 (8.73 to 11.48)	1.86 (1.57 to 2.14)	33.38 (26.7 to 41.26)	1.53 (1.22 to 1.9)	-0.77 (-1.12 to -0.42)
Kyrgyzstan	241.84 (224.17 to 260.94)	7.91 (7.33 to 8.54)	178.81 (151.51 to 208.48)	1.27 (0.97 to 1.5)	-2.61 (-2.78 to -2.44)	248.62 (230.39 to 268.45)	8.23 (7.62 to 8.9)	186.18 (158.12 to 216.59)	4.45 (3.79 to 5.17)	-2.47 (-2.62 to -2.32)
Laos	82.81 (55.07 to 111.54)	3.86 (2.61 to 5.14)	104.04 (71.3 to 151.48)	1.8 (1.47 to 2.17)	-1.94 (-2.09 to -1.8)	83.99 (56.58 to 113.12)	4.04 (2.77 to 5.32)	105.59 (72.93 to 155.32)	2.53 (1.77 to 3.69)	-1.91 (-2.05 to -1.77)
Lebanon	28.92 (21.52 to 36.34)	1.29 (0.98 to 1.58)	67.58 (50.63 to 89.22)	1.85 (1.52 to 2.22)	0.22 (0.02 to 0.41)	29.53 (22.07 to 36.99)	1.36 (1.04 to 1.67)	64.92 (49.05 to 80.79)	1.25 (0.94 to 1.66)	-0.12 (-0.27 to 0.04)

	35.98)							36.54)			86.19)			
Malaysia	245.01	2.74	(2.11	689.73	3.36	(2.78	-0.56 (-0.75	250.82	2.89 (2.2 to	677.78	2.7 (2.1 to	-0.71 (-0.9		
	(193.1 to	to 3.15)		(531.24 to	to 4.89)		to -0.38)	(195.58 to	3.32)	(524.98 to	3.36)	to -0.52)		
	280.79)			870.99)				287.39)		855.71)				
Maldives	3.68 (1.92	3.97 (2.19		5.97 (4.81 to	3.49 (2.9 to		-2.91 (-3.18	3.62 (1.91	4.13 (2.31	5.6 (4.52 to	2.01 (1.62	-3.14 (-3.38		
	to 5.28)	to 5.63)		7.27)	5.05)		to -2.65)	to 5.19)	to 5.84)	6.78)	to 2.44)	to -2.89)		
Mongolia	239.03	24.66		425.89	2.36 (1.89		-0.83 (-1.08	256.82	27.3 (16.52	448.21	24.53	-0.78 (-1.03		
	(167.86 to	(15.88 to		(326.7 to	to 3.41)		to -0.58)	(171.31 to	to 34.47)	(333.49 to	(15.33 to	to -0.53)		
	298.13)	31.04)		549.98)				322.57)		577.39)	31.27)			
Myanmar	798.68	3.35 (2.27		1039.28	2.51 (2.02		-1.55 (-1.61	811.2	3.52 (2.45	1060.18	2.37 (1.9 to	-1.54 (-1.59		
	(531.86 to	to 4.7)		(816 to	to 3.58)		to -1.49)	(549.87 to	to 4.79)	(839.46 to	3.58)	to -1.48)		
	1135.21)			1577.04)				1116.51)		1603.64)				
Nepal	484.33	4.98 (3.91		1052.87	4.36 (3.43		-0.04 (-0.4	490.47	5.25 (4.13	1090.5	5.1 (3.81 to	0.02 (-0.34		
	(373.44 to	to 6.39)		(772.48 to	to 4.8)		to 0.33)	(379.47 to	to 6.77)	(803.97 to	6.8)	to 0.38)		
	625.63)			1428.16)				638.95)		1480.45)				
North Korea	1670.31	10.16 (6.78		2923.06	4.54 (3.54		-0.44 (-0.51	1651.97	10.41 (7.04	2905.69	9.01 (7.06	-0.51 (-0.59		
	(1081.36 to	to 13.2)		(2253.44 to	to 4.99)		to -0.37)	(1075.64 to	to 13.61)	(2259 to	to 11.56)	to -0.43)		
	2200.43)			3771.47)				2192.52)		3752.43)				
Oman	14.89	2.32 (1.67		36.97 (27.17	1.26 (0.97		0.36 (0.13	14.79	2.42 (1.75	34.29	2.38 (1.87	0.26 (0.06		
	(10.55 to	to 3.02)		to 46.93)	to 1.55)		to 0.59)	(10.55 to	to 3.13)	(25.32 to	to 2.78)	to 0.47)		
	19.65)							19.39)		42.78)				
Pakistan	4003.88	6.98 (5.83		8910.7	1.3 (1.01 to		0.27 (0.05	4128.19	7.34 (6.2 to	8952.97	8.23 (6.62	0.26 (0.04		
	(3376.44 to	to 8.16)		(7067.99 to	1.59)		to 0.49)	(3485.45 to	8.63)	(7183.73 to	to 9.96)	to 0.47)		
	4680.12)			10990.68)				4824.43)		11010.7)				
Palestine	11.62 (8.53	1.37 (1.02		24.9 (20.18	1.62 (1.24		-1.03 (-1.16	12.04 (8.86	1.46 (1.09	24.84	1.16 (0.94	-1.09 (-1.21		
	to 15.29)	to 1.8)		to 32.59)	to 2.08)		to -0.9)	to 15.83)	to 1.92)	(20.19 to	to 1.58)	to -0.97)		

											32.95)			
Philippines	475.76 (412.72 to 559.99)	1.57 (1.38 to 1.87)	1051.98 (837.41 to 1401.86)	1.53 (1.35 to 1.71)	-0.79 (-0.97 to -0.62)	477.87 (417.82 to 556.24)	1.66 (1.45 to 1.95)	1046.23 (840 to 1417.62)	1.36 (1.1 to 1.88)	-0.85 (-1.03 to -0.67)				
Qatar	3.91 (3.07 to 4.86)	4.35 (3.3 to 5.25)	23.53 (15.82 to 35.32)	6.45 (5.29 to 7.79)	0.09 (-0.18 to 0.37)	3.85 (3.04 to 4.76)	4.78 (3.55 to 5.78)	20.97 (14.29 to 31.15)	4.84 (3.38 to 6.65)	0.03 (-0.25 to 0.31)				
Saudi Arabia	90.15 (69.01 to 114.7)	1.63 (1.25 to 2.08)	313.1 (234.78 to 433.36)	3.91 (3.59 to 4.19)	0.02 (-0.24 to 0.28)	105.13 (77.96 to 139.29)	1.96 (1.46 to 2.57)	286.78 (215.34 to 394.37)	1.78 (1.4 to 2.36)	-0.81 (-1.08 to -0.53)				
Singapore	128.35 (119.89 to 137.32)	6.13 (5.71 to 6.58)	209.74 (162.49 to 269.06)	1.14 (0.93 to 1.41)	-2.93 (-3.21 to -2.64)	113.74 (106.03 to 121.73)	5.59 (5.2 to 6.02)	137.48 (119.97 to 159.89)	1.81 (1.57 to 2.1)	-4.08 (-4.4 to -3.77)				
South Korea	1783.96 (1282.73 to 1920.78)	5.75 (4.38 to 6.16)	3419.23 (2691.47 to 4689.31)	1.16 (0.95 to 1.43)	-2.36 (-2.64 to -2.09)	1643.21 (1215.6 to 1765.12)	5.49 (4.28 to 5.87)	2192.61 (1891.03 to 3172.85)	2.43 (2.09 to 3.52)	-3.81 (-4.13 to -3.49)				
Sri Lanka	504.96 (444.01 to 618.26)	4.74 (4.2 to 5.94)	1170.48 (852.63 to 1570.5)	7.35 (6.27 to 8.51)	0.45 (0.06 to 0.85)	512.05 (451.77 to 631.31)	4.99 (4.41 to 6.34)	1115.18 (822.57 to 1501.9)	4.49 (3.32 to 6.01)	0.22 (-0.18 to 0.63)				
Syrian Arab Republic	46.48 (35.12 to 59.02)	0.88 (0.68 to 1.11)	111.7 (81.95 to 146.27)	7.8 (6.67 to 9.02)	-0.12 (-0.32 to 0.09)	47.21 (35.99 to 59.77)	0.93 (0.72 to 1.17)	110.41 (81.41 to 143.96)	0.96 (0.73 to 1.23)	-0.18 (-0.38 to 0.02)				
Tajikistan	341.86 (308.67 to 377.1)	12.13 (10.99 to 13.42)	337.84 (244.38 to 708.9)	1.5 (1.19 to 1.87)	-1.68 (-2.14 to -1.23)	351.83 (317.24 to 386.59)	12.67 (11.44 to 13.96)	342.14 (249.08 to 722.43)	7.72 (5.69 to 16.63)	-1.59 (-2.05 to -1.14)				
Thailand	1416.76	3.94 (2.39 to 5.49)	3245.73	1.53 (1.22 to 1.84)	-1.38 (-1.65 to -1.11)	1422.93	4.1 (2.49 to 5.71)	3096.11	3 (1.95 to 4.05)	-1.68 (-1.96 to -1.40)				

	(849.9 to 4.73)	(2068.83 to 1.9)	to -1.11)	(855.17 to 4.92)	(2001.36 to 4.03)	to -1.41)				
	1704.61)	4395.72)		1709.47)	4167.62)					
Timor-Leste	7.42 (5.6 to 2.57 (1.97 to 3.36)	18.6 (13.33 to 27.3)	4.13 (3.51 to 4.82)	-0.39 (-0.67 to -0.11)	7.4 (5.62 to 9.74)	2.72 (2.09 to 3.56)	19.23 (13.87 to 28.39)	2.48 (1.82 to 3.6)	-0.35 (-0.62 to -0.09)	
Turkey	785.62 (580.31 to 1000.47)	2.11 (1.58 to 2.64)	1380.42 (1070.79 to 1734.18)	4.45 (3.79 to 5.17)	-1.06 (-1.28 to -0.84)	787.35 (580.08 to 996.41)	2.17 (1.64 to 2.72)	1332.99 (1031.82 to 1682.35)	1.52 (1.18 to 1.93)	-1.22 (-1.42 to -1.03)
Turkmenistan	614.96 (585.51 to 646.3)	32.05 (30.51 to 33.71)	375.65 (293.98 to 469.86)	2.39 (1.66 to 3.5)	-4.45 (-5.2 to -3.7)	626.93 (597.53 to 658.85)	33.49 (31.9 to 35.23)	379.3 (298.27 to 472.34)	9.97 (7.94 to 12.44)	-4.47 (-5.21 to -3.72)
United Arab Emirates	32.21 (10.18 to 48.2)	7.16 (2.33 to 10.55)	383.01 (113.61 to 655.48)	2.53 (1.77 to 3.69)	0.26 (-0.11 to 0.63)	31.01 (9.83 to 46.41)	7.61 (2.5 to 11.18)	354.81 (104.41 to 607.03)	8.42 (2.68 to 14.24)	0.2 (-0.19 to 0.59)
Uzbekistan	1827.28 (1739.6 to 1916.98)	16.1 (15.33 to 16.9)	1328.12 (1088.3 to 1575.37)	1.3 (0.97 to 1.72)	-4.05 (-4.5 to -3.59)	1875.11 (1784.46 to 1969.24)	16.85 (16.02 to 17.68)	1320.35 (1083.55 to 1562.31)	6.98 (5.88 to 8.09)	-3.98 (-4.43 to -3.52)
Viet Nam	909.38 (699.3 to 1143.3)	2.25 (1.73 to 2.81)	2824.43 (1926.11 to 3620.49)	1.25 (0.94 to 1.66)	1.24 (1.09 to 1.4)	939.61 (726.13 to 1184.55)	2.36 (1.82 to 2.95)	2727.35 (1899.29 to 3470.41)	2.87 (2.07 to 3.58)	1.02 (0.88 to 1.17)
Yemen	207.63 (67.87 to 302.13)	4.3 (1.43 to 6.3)	826.87 (265.98 to 1202.99)	2.66 (2.06 to 3.34)	-0.11 (-0.14 to -0.08)	210.83 (68.84 to 307.59)	7.56 (2.51 to 10.81)	551.41 (168.18 to 814.66)	4.45 (1.36 to 6.78)	-0.1 (-0.12 to -0.07)

Abbreviations: ASR, age-standardized rate; EAPC, estimated annual percentage change; UI, uncertainty interval. CI, confidence interval.

sTable 6. The incident cases, deaths, and their change trends of gallbladder and biliary tract cancer in Asia countries from 1990 to 2019.

Location	Incidence (95% UI)						Deaths (95% UI)									
	1990			2019			1990-2019		1990			2019			1990-2019	
	No. Incident Cases	ASR		No. Incident Cases	ASR		EAPC in ASR (95% CI)		No. Deaths	ASR		No. Deaths	ASR		EAPC in ASR (95% CI)	
Afghanistan	181.98 (92.34 to 277.65)	2.57 (1.38 to 3.82)		295.12 (155.43 to 448.52)	2.39 (1.41 to 3.55)		-0.23 (-0.3 to -0.16)		179.88 (93.93 to 273.39)	2.61 (1.45 to 3.89)		284.52 (154.99 to 429.68)	2.44 (1.46 to 3.59)		-0.23 (-0.3 to -0.15)	
Armenia	25.96 (22.33 to 37.85)	1.03 (0.89 to 1.48)		55.05 (36.33 to 66.81)	1.33 (0.88 to 1.62)		1.16 (0.67 to 1.64)		24.87 (21.5 to 35.81)	1.02 (0.88 to 1.45)		54.22 (35.56 to 65.52)	1.32 (0.86 to 1.6)		1.17 (0.7 to 1.63)	
Asia	48604.57 (43758.09 to 60045.05)	2.73 (2.45 to 3.32)		124224.06 (95999.37 to 137967.59)	2.77 (2.12 to 3.1)		0.23 (0.07 to 0.39)		44819.79 (40088.46 to 56557.47)	2.6 (2.32 to 3.22)		111344.13 (86738.86 to 123327.69)	2.53 (1.94 to 2.8)		0.05 (-0.11 to 0.22)	
Azerbaijan	51.3 (41.67 to 64.77)	1.04 (0.84 to 1.34)		101.89 (77.6 to 136.1)	1.19 (0.91 to 1.6)		0.59 (0.43 to 0.75)		49.24 (39.91 to 62.51)	1.02 (0.82 to 1.32)		98.22 (74.94 to 131.07)	1.21 (0.94 to 1.63)		0.74 (0.58 to 0.9)	
Bahrain	2.66 (2.19 to 3.15)	1.78 (1.47 to 2.1)		9.37 (6.86 to 12.1)	1.21 (0.93 to 1.51)		-1.18 (-1.39 to -0.97)		2.47 (2.04 to 2.93)	1.77 (1.46 to 2.09)		7.98 (5.88 to 10.27)	1.14 (0.88 to 1.41)		-1.35 (-1.58 to -1.13)	
Bangladesh	874.42 (662.09 to 1319.24)	1.94 (1.49 to 2.89)		2508 (1800.92 to 3448.72)	1.98 (1.43 to 2.69)		0.24 (0 to 0.47)		865.99 (658.93 to 1295.89)	1.98 (1.53 to 2.94)		2443.97 (1761.9 to 3319.19)	1.98 (1.43 to 2.69)		0.15 (-0.12 to 0.42)	
Bhutan	4.75 (3.38 to 8.01)	2.06 (1.49 to 3.52)		15.23 (10.89 to 22.2)	2.85 (2.07 to 4.15)		1.16 (1.08 to 1.24)		4.65 (3.35 to 7.92)	2.12 (1.54 to 3.62)		14.94 (10.73 to 4.2)	2.87 (2.1 to 4.2)		1.09 (1 to 1.18)	

																			21.68)
Brunei	4.27 (3.43 to 5.12)	5.14 (4.19 to 6.14)	10.44 (8.71 to 12.08)	4.32 (3.64 to 4.99)	-0.28 (-0.45 to -0.12)	3.9 (3.16 to 4.64)	4.98 (4.07 to 5.99)	9.05 (7.59 to 10.46)	4.02 (3.37 to 4.64)	-0.42 (-0.58 to -0.26)									
Cambodia	69.51 (42.13 to 107.81)	1.59 (1 to 2.47)	159.62 (116.13 to 269.77)	1.41 (1.04 to 2.39)	-0.5 (-0.69 to -0.31)	67.99 (42.16 to 105.94)	1.63 (1.04 to 2.54)	151.64 (111.17 to 255.99)	1.4 (1.04 to 2.37)	-0.62 (-0.8 to -0.43)									
China	12436.31 (10310.12 to 20007.09)	1.58 (1.32 to 2.51)	38634.23 (27350.92 to 46512.4)	2.01 (1.41 to 2.41)	1.56 (1.12 to 2)	12083.51 (9983.25 to 19476.8)	1.61 (1.35 to 2.54)	34462.57 (25220.93 to 41231.98)	1.82 (1.32 to 2.17)	1.1 (0.67 to 1.52)									
Cyprus	21.78 (16.88 to 26.06)	2.88 (2.21 to 3.48)	34.81 (28.52 to 41.6)	1.83 (1.51 to 2.18)	-1.72 (-1.9 to -1.55)	19.21 (14.81 to 23.15)	2.59 (1.98 to 3.15)	28.25 (23.51 to 33.38)	1.51 (1.25 to 1.78)	-2.06 (-2.22 to -1.91)									
Georgia	69.07 (55.17 to 103.8)	1.15 (0.92 to 1.74)	85.95 (62.96 to 102.15)	1.44 (1.04 to 1.72)	1.56 (1.17 to 1.94)	65.31 (52.32 to 98.51)	1.11 (0.89 to 1.67)	84.73 (63.65 to 101.54)	1.41 (1.04 to 1.68)	1.6 (1.23 to 1.98)									
India	8071.81 (6527.94 to 11722.38)	1.93 (1.58 to 2.8)	28742.94 (21925.71 to 33763.82)	2.59 (1.99 to 3.03)	1.15 (1 to 1.29)	7824.45 (6317.99 to 11438.43)	1.98 (1.62 to 2.88)	27831.96 (21067.86 to 32510.02)	2.58 (1.97 to 3.01)	1.03 (0.87 to 1.19)									
Indonesia	1039.91 (716.31 to 1603.11)	1.11 (0.77 to 1.71)	2106.56 (1572.74 to 3664.01)	1.06 (0.8 to 1.89)	-0.1 (-0.14 to -0.06)	1004.84 (689.17 to 1547.56)	1.13 (0.78 to 1.78)	1997.45 (1510.93 to 3508.46)	1.06 (0.81 to 1.87)	-0.17 (-0.21 to -0.13)									
Iran	325.81 (271.45 to 384.28)	1.39 (1.17 to 1.68)	886.28 (698.32 to 997.57)	1.28 (1.02 to 1.44)	-0.23 (-0.38 to -0.07)	302.84 (252.86 to 359.74)	1.37 (1.16 to 1.66)	801.8 (638.45 to 903.91)	1.19 (0.96 to 1.34)	-0.37 (-0.54 to -0.21)									

Iraq	83.81 (64.91 to 115.44)	1.1 (0.86 to 1.55)	231.21 (174.92 to 300.7)	1.06 (0.82 to 1.36)	-0.15 (-0.3 to 0.01)	80.03 (62.04 to 111.74)	1.08 (0.84 to 1.53)	210.59 (160.82 to 270.94)	1.01 (0.79 to 1.31)	-0.25 (-0.39 to -0.11)
Israel	114.31 (90.49 to 126.63)	2.35 (1.86 to 2.6)	127.93 (95.74 to 192.21)	1.08 (0.81 to 1.62)	-3.08 (-3.29 to -2.87)	99.83 (78.87 to 110.13)	2.07 (1.64 to 2.28)	106.98 (89.09 to 160.41)	0.89 (0.75 to 1.33)	-3.3 (-3.49 to -3.11)
Japan	15176.87 (11798.9 to 16062.43)	9.13 (7.16 to 9.67)	25666.77 (18044.52 to 31032.96)	6.05 (4.55 to 7.32)	-1.48 (-1.53 to -1.43)	12744.34 (9902.57 to 13421.85)	7.73 (6.02 to 8.15)	21415.63 (14828.54 to 24494.23)	4.81 (3.62 to 5.37)	-1.81 (-1.85 to -1.76)
Jordan	25.82 (20.72 to 33.49)	2.16 (1.73 to 2.84)	96.33 (77.6 to 118.59)	1.68 (1.36 to 2.06)	-0.96 (-1.05 to -0.87)	24.38 (19.78 to 32.74)	2.14 (1.75 to 2.89)	86.28 (69.87 to 105.75)	1.59 (1.28 to 1.94)	-1.13 (-1.22 to -1.03)
Kazakhstan	155.32 (115.65 to 200.27)	1.26 (0.93 to 1.64)	185.8 (132.17 to 219.82)	1.1 (0.79 to 1.3)	-0.79 (-1.03 to -0.55)	147.92 (110.38 to 191.35)	1.22 (0.91 to 1.58)	176.95 (125.82 to 209.53)	1.08 (0.78 to 1.26)	-0.8 (-1.07 to -0.52)
Kuwait	11.62 (9.02 to 13.14)	2.14 (1.63 to 2.43)	26.76 (21.63 to 33.93)	1.16 (0.93 to 1.48)	-1.81 (-2.03 to -1.58)	10.07 (7.82 to 11.37)	1.97 (1.51 to 2.24)	22.61 (18.42 to 28.5)	1.03 (0.83 to 1.32)	-1.92 (-2.13 to -1.71)
Kyrgyzstan	34.91 (30.29 to 41.19)	1.17 (1.02 to 1.39)	45.18 (35.26 to 53.76)	1.04 (0.82 to 1.22)	-0.35 (-0.53 to -0.18)	33.94 (29.36 to 39.84)	1.15 (0.99 to 1.35)	43.74 (34.39 to 51.7)	1.03 (0.82 to 1.22)	-0.29 (-0.5 to -0.07)
Laos	35.49 (20.83 to 56.78)	1.73 (1.05 to 2.78)	49.14 (35.96 to 84.32)	1.19 (0.88 to 2.08)	-1.53 (-1.69 to -1.36)	34.89 (20.7 to 55.99)	1.78 (1.09 to 2.84)	46.98 (34.46 to 81.17)	1.2 (0.89 to 2.11)	-1.6 (-1.76 to -1.44)
Lebanon	51 (41 to 61)	2.41 (1.95 to 2.87)	122.92	2.36 (1.84 to 2.88)	0.26 (0.13 to 0.39)	48.32	2.36 (1.91 to 2.81)	109.12	2.11 (1.64 to 2.58)	-0.08 (-0.22 to 0.06)

	64.12)		to 3.01)	(95.82	to	to 3.15)	to 0.4)	(38.76	to	to 2.95)	(85.13	to	to 2.83)	to 0.06)
				163.9)				60.59)			146.21)			
Malaysia	125.12		1.42 (1.16	354.05		1.39 (1.08	-0.3 (-0.42	119.32		1.4 (1.14 to	314.11		1.28 (1 to	-0.57 (-0.7
	(102.67	to	to 1.61)	(272.16	to	to 1.77)	to -0.18)	(97.17	to	1.6)	(242.57	to	1.63)	to -0.44)
	141.57)			453.39)				135.47)			403.45)			
Maldives	1.24 (0.65	1.49 (0.8 to		2.69 (2.14 to	0.97 (0.76	-1.92 (-2.17	1.17 (0.62	1.49 (0.81	2.33 (1.83	0.89 (0.7 to	-2.29 (-2.53			
	to 1.7)	2)		3.29)	to 1.19)	to -1.67)	to 1.6)	to 2)	to 2.84)	1.08)	to -2.06)			
Mongolia	40.55		3.93 (1.32	74.63 (28.32	3.33 (1.23	-1.01 (-1.2	39.61		3.93 (1.33	71.62		3.36 (1.23	-0.98 (-1.2	
	(13.51	to	to 5.49)	to 119.1)	to 5.42)	to -0.82)	(13.36	to	to 5.59)	(26.95	to	to 5.5)	to -0.77)	
	56.14)						55.24)			114.44)				
Myanmar	340.8		1.5 (0.91 to	477.18		1.08 (0.82	-1.27 (-1.34	334.48		1.54 (0.98	456.78		1.07 (0.81	-1.37 (-1.43
	(201.65	to	2.57)	(361.66	to	to 2.06)	to -1.21)	(206.9	to	to 2.64)	(346.34	to	to 2.03)	to -1.31)
	584.16)			901.61)				572.58)			865.71)			
Nepal	169.45		1.86 (1.38	578.77		2.72 (2.01	1.46 (1.35	166.33		1.91 (1.42	570.22		2.77 (2.06	1.45 (1.34
	(123.25	to	to 3.09)	(427.15	to	to 3.51)	to 1.58)	(121.67	to	to 3.15)	(420.12	to	to 3.57)	to 1.55)
	281.16)			749.01)				277.95)			735.3)			
North Korea	349.57		2.23 (1.64	630.8		1.97 (1.39	-0.32 (-0.39	316 (229.59	2.11 (1.57	571.69		1.8 (1.29 to	-0.46 (-0.54	
	(253.47	to	to 3.61)	(442.85	to	to 2.93)	to -0.25)	to 516.3)	to 3.45)	(405.83	to	2.71)	to -0.37)	
	572.7)			937.82)						853.72)				
Oman	9.05 (6.61	1.57 (1.15		17.53 (14.31	1.29 (1.07	-0.43 (-0.59	8.35 (6.08	1.53 (1.12	14.84	1.19 (0.99	-0.57 (-0.74			
	to 11.6)	to 1.99)		to 21.73)	to 1.54)	to -0.26)	to 10.65)	to 1.93)	(12.18	to	to 1.42)	to -0.4)		
									18.12)					
Pakistan	1613.82		2.88 (2.36	3824.41		3.58 (2.9 to	0.6 (0.33 to	1603.9		2.93 (2.35	3681.14		3.61 (2.89	0.57 (0.29
	(1329.51	to	to 3.79)	(3066.65	to	4.45)	0.88)	(1297.24	to	to 3.81)	(2897.71	to	to 4.49)	to 0.86)
	2105.3)			4759.48)				2065.54)			4606.9)			
Palestine	16.64 (9.91	2.01 (1.23		41.16 (20.47	1.89 (0.99	-0.21 (-0.54	15.89 (9.59	1.96 (1.22	37.69	1.8 (0.96 to	-0.28 (-0.58			

	to 22.28)	to 2.66)	to 50.56)	to 2.3)	to 0.11)	to 21.19)	to 2.58)	(18.88 to 2.2)	to 0.01)
								46.34)	
Philippines	249.49 (217.56 to 313.19)	0.87 (0.76 to 1.13)	527.57 (419.53 to 787.07)	0.7 (0.56 to 1.07)	-0.93 (-1.12 to -0.73)	235.3 (206.24 to 304.44)	0.87 (0.76 to 1.17)	484.02 (386.89 to 755.93)	0.67 (0.54 to -0.85)
Qatar	2.52 (1.71 to 3.12)	3.07 (1.85 to 3.89)	11.81 (8.1 to 16.33)	2.08 (1.49 to 2.82)	-1.38 (-1.6 to -1.16)	2.26 (1.5 to 2.79)	3.04 (1.83 to 3.85)	9.31 (6.46 to 12.94)	1.92 (1.37 to 2.6)
Saudi Arabia	80.47 (58.75 to 135.33)	1.54 (1.15 to 2.55)	280.93 (215.41 to 395.8)	1.72 (1.35 to 2.37)	0.61 (0.21 to 1.01)	87.46 (61.75 to 152.83)	1.74 (1.26 to 2.94)	234.18 (179.98 to 327.47)	1.57 (1.24 to 2.17)
Singapore	38.27 (34.05 to 53.54)	1.87 (1.65 to 2.65)	104.08 (78.53 to 132.9)	1.38 (1.04 to 1.75)	-1.21 (-1.51 to -0.92)	33.92 (30.29 to 48.14)	1.71 (1.51 to 2.43)	83.04 (64.65 to 96.42)	1.11 (0.86 to 1.29)
South Korea	2918.98 (2417.19 to 3556.99)	10.6 (8.83 to 13.68)	6968.68 (5150.4 to 8642.46)	7.93 (5.85 to 9.79)	-1.26 (-1.36 to -1.16)	2664.67 (2194.88 to 3319.82)	10.09 (8.37 to 13.24)	5617.51 (4253.36 to 6662.61)	6.44 (4.91 to 7.67)
Sri Lanka	458.89 (248.15 to 544.08)	4.61 (2.5 to 5.47)	583.09 (411.61 to 829.22)	2.32 (1.65 to 3.31)	-3.26 (-3.85 to -2.67)	442.74 (238.34 to 524.12)	4.65 (2.53 to 5.5)	514.52 (365.07 to 733.66)	2.09 (1.48 to 2.98)
Syrian Arab Republic	38.1 (28.45 to 47.38)	0.78 (0.6 to 0.97)	78.6 (56.82 to 104.01)	0.69 (0.51 to 0.91)	-0.76 (-0.99 to -0.53)	36.73 (27.65 to 45.43)	0.78 (0.6 to 0.96)	72.04 (51.87 to 95.35)	0.66 (0.49 to 0.86)
Tajikistan	16.98 (13.13 to 24.7)	0.63 (0.48 to 0.93)	28.75 (22.69 to 35.44)	0.7 (0.55 to 0.85)	0.5 (0.32 to 0.68)	16.82 (12.92 to 24.94)	0.63 (0.47 to 0.95)	28.38 (22.39 to 34.96)	0.74 (0.56 to 0.9)
Thailand	1691.93	4.96 (3.58 to 6.34)	5641.47	5.53 (2.75 to 8.31)	0.37 (0.26 to 0.48)	1595.98	4.89 (3.53 to 6.25)	4960.43	4.89 (2.47 to 7.31)

	(1214.2 to 2027.43)	to 5.95)		(2773.76 to 7703.47)	to 7.56)		to 0.47)		(1152.95 to 1915.82)	to 5.87)		(2479.67 to 6730.97)	to 6.64)		to 0.08)
Timor-Leste	3.23 (2.01 to 4.83)	1.22 (0.78 to 1.82)		8.55 (5.72 to 14.73)	1.1 (0.73 to 1.89)		-0.32 (-0.6 to -0.03)		3.12 (1.96 to 4.67)	1.25 (0.81 to 1.87)		8.31 (5.52 to 14.19)	1.11 (0.74 to 1.89)		-0.41 (-0.68 to -0.13)
Turkey	837.62 (639 to 1060.52)	2.4 (1.85 to 3.1)		1334.38 (1020.54 to 2055.09)	1.55 (1.18 to 2.39)		-1.58 (-1.68 to -1.48)		801.51 (611.69 to 1021.64)	2.36 (1.82 to 3.06)		1206.74 (918.51 to 1869.98)	1.42 (1.07 to 2.22)		-1.83 (-1.94 to -1.71)
Turkmenistan	39.93 (20.07 to 46.14)	2.11 (1.08 to 2.44)		33.99 (26.5 to 45.17)	0.88 (0.69 to 1.17)		-3.18 (-4.04 to -2.31)		38 (19.23 to 43.84)	2.06 (1.07 to 2.37)		32.38 (25.39 to 43.26)	0.87 (0.68 to 1.15)		-3.21 (-4.04 to -2.38)
United Arab Emirates	10.81 (6.94 to 16.17)	2.76 (1.48 to 4.37)		79.7 (52.42 to 118.77)	1.8 (1.12 to 2.68)		-1.56 (-2.07 to -1.05)		9.55 (6 to 14.29)	2.73 (1.45 to 4.3)		64.62 (41.99 to 96.91)	1.7 (1.05 to 2.52)		-1.7 (-2.24 to -1.15)
Uzbekistan	63.52 (45.77 to 96.55)	0.59 (0.42 to 0.92)		127.4 (104.34 to 157.1)	0.75 (0.62 to 0.89)		0.83 (0.48 to 1.17)		62.56 (44.67 to 96.35)	0.59 (0.42 to 0.94)		120.55 (99.03 to 148.32)	0.77 (0.64 to 0.91)		0.92 (0.53 to 1.3)
Viet Nam	475.37 (364.99 to 589.94)	1.24 (0.95 to 1.53)		1415.65 (1027.89 to 1850.7)	1.61 (1.19 to 2.08)		1.36 (1.16 to 1.55)		478.83 (368.84 to 591.19)	1.27 (0.98 to 1.56)		1275.78 (939.71 to 1651.99)	1.5 (1.11 to 1.92)		0.96 (0.79 to 1.14)
Yemen	78.98 (48.96 to 114.75)	1.7 (1.09 to 2.42)		201.58 (136.72 to 282.34)	1.58 (1.11 to 2.19)		-0.18 (-0.26 to -0.11)		76.57 (48.24 to 110.81)	1.72 (1.11 to 2.44)		192.76 (133.06 to 268.99)	1.59 (1.12 to 2.17)		-0.24 (-0.31 to -0.17)

Abbreviations: ASR, age-standardized rate; EAPC, estimated annual percentage change; UI, uncertainty interval. CI, confidence interval.

sTable 7. The incident cases, deaths, and their change trends of liver cancer in Asia countries from 1990 to 2019.

Location	Incidence (95% UI)					Deaths (95% UI)						
	1990		2019		1990-2019	1990		2019		1990-2019		
	No. Incident Cases	ASR	No. Incident Cases	ASR	EAPC in ASR (95% CI)	No. Deaths	ASR	No. Deaths	ASR	EAPC in ASR (95% CI)		
Afghanistan	843.13 (646.19 to 1082.4)	11.48 (8.93 to 14.53)	1407.83 (1056.52 to 1848.1)	9.82 (7.63 to 12.44)	-0.6 (-0.69 to -0.5)	851.07 (656.87 to 1089.35)	11.97 (9.38 to 15.15)	1376.25 (1041.25 to 1789.35)	10.27 (7.98 to 12.93)	-0.58 (-0.68 to -0.49)		
Armenia	29.52 (27.45 to 32.42)	1.09 (1.02 to 1.18)	271.07 (225.36 to 323.14)	6.6 (5.47 to 7.85)	9.46 (7.98 to 10.95)	29.32 (27.53 to 31.4)	1.13 (1.06 to 1.21)	289.45 (239.93 to 342.82)	7.07 (5.88 to 8.38)	9.56 (8.02 to 11.12)		
Asia	307985.29 (270391.36 to 350746.46)	14.07 (12.44 to 15.92)	381909.95 (342385.52 to 429647.83)	7.97 (7.15 to 8.93)	-3.03 (-3.49 to -2.56)	299353.6 (263966.58 to 341521.01)	14.08 (12.54 to 15.93)	340603.48 (305242.91 to 376939.6)	7.22 (6.5 to 7.94)	-3.38 (-3.87 to -2.89)		
Azerbaijan	51.02 (45.96 to 57.77)	0.98 (0.89 to 1.1)	358.38 (273.84 to 471.96)	4.07 (3.11 to 5.46)	6 (4.1 to 7.94)	50.81 (45.9 to 56.41)	1.02 (0.92 to 1.14)	364.79 (280.25 to 483.81)	4.37 (3.31 to 5.94)	6.16 (4.15 to 8.2)		
Bahrain	8.96 (7.47 to 10.63)	5.62 (4.72 to 6.58)	44.42 (34.42 to 57.48)	5.53 (4.39 to 6.91)	-0.84 (-1.22 to -0.46)	9 (7.5 to 10.63)	6.11 (5.14 to 7.17)	38.73 (29.78 to 50.01)	5.23 (4.12 to 6.53)	-1.34 (-1.76 to -0.92)		
Bangladesh	1741.95 (1383.58 to 2137.96)	3.11 (2.55 to 3.77)	3404.73 (2661.33 to 4240)	2.58 (2.03 to 3.21)	-1.09 (-1.23 to -0.95)	1740.4 (1404.11 to 2117.24)	3.24 (2.68 to 3.91)	3521.46 (2772.27 to 4396.14)	2.75 (2.17 to 3.42)	-0.94 (-1.09 to -0.79)		
Bhutan	5.9 (3.81 to 8.0)	2.18 (1.47 to 2.89)	16.97 (11.68 to 22.26)	3.04 (2.11 to 3.97)	1.22 (1.14 to 1.30)	5.95 (3.87 to 8.03)	2.29 (1.55 to 3.03)	17.83 (13.66 to 21.99)	3.27 (2.29 to 4.25)	1.34 (1.24 to 1.44)		

	8.67)	to 3.2)	to 24)	to 4.29)	to 1.3)	to 8.87)	to 3.33)	(12.34 to 25.15)	to 4.61)	to 1.43)
Brunei	9.64 (7.79 to 11.59)	9.68 (7.88 to 11.49)	38.25 (32.09 to 45.74)	11.75 (9.96 to 13.78)	1.43 (0.97 to 1.89)	9.39 (7.7 to 11.28)	10.13 (8.33 to 12.08)	34.65 (29.15 to 41.13)	11.53 (9.82 to 13.38)	1.15 (0.65 to 1.65)
Cambodia	621.92 (485.76 to 805.2)	10.86 (8.82 to 13.11)	1143.79 (887.21 to 1413.26)	9.2 (7.26 to 11.26)	-0.83 (-0.92 to -0.74)	676.07 (523.06 to 898.62)	11.62 (9.34 to 13.98)	1183.92 (924.99 to 1462.43)	9.86 (7.85 to 12.03)	-0.81 (-0.91 to -0.7)
China	236824.63 (199322.36 to 280115.93)	25.71 (21.73 to 30.35)	210462.35 (174831.65 to 251195.06)	10.46 (8.74 to 12.42)	-4.67 (-5.47 to -3.88)	232449.17 (197395.48 to 275388.25)	25.99 (22.29 to 30.55)	187699.58 (158261.72 to 222767.27)	9.41 (7.95 to 11.13)	-5.06 (-5.84 to -4.27)
Cyprus	25.04 (20.63 to 29.41)	3.15 (2.67 to 3.65)	70.06 (59.71 to 82.23)	3.69 (3.16 to 4.32)	0.85 (0.64 to 1.06)	26.21 (21.54 to 30.85)	3.4 (2.87 to 3.9)	64.67 (55.61 to 74.79)	3.42 (2.95 to 3.94)	0.22 (-0.01 to 0.46)
Georgia	68.38 (61.7 to 75.46)	1.14 (1.03 to 1.25)	199.72 (164.42 to 243.86)	3.52 (2.87 to 4.32)	3.06 (1.83 to 4.32)	70.58 (63.69 to 78.05)	1.2 (1.08 to 1.32)	210.09 (173.67 to 255.19)	3.63 (2.97 to 4.42)	3.07 (1.91 to 4.24)
India	11776.65 (9852.31 to 13688.9)	2.54 (2.09 to 2.97)	29967.57 (25243.79 to 35612.3)	2.61 (2.2 to 3.1)	0.13 (0.05 to 0.21)	11859.03 (9875.95 to 13742.18)	2.7 (2.21 to 3.15)	30709.38 (25883.53 to 36350.77)	2.75 (2.32 to 3.27)	0.06 (-0.05 to 0.17)
Indonesia	2472.02 (2136.55 to 2836.51)	2.43 (2.1 to 2.8)	4504.14 (3796.46 to 5157.77)	2.23 (1.9 to 2.51)	-0.47 (-0.56 to -0.38)	2554.49 (2192 to 2891.02)	2.62 (2.25 to 3.03)	4720.82 (3974.44 to 5402.93)	2.45 (2.08 to 2.76)	-0.36 (-0.45 to -0.28)
Iran	1067.7	4.26 (3.45	2721.52	3.85 (3.5 to	-0.83 (-1.47	1075.84	4.57 (3.7 to	2501.26	3.64 (3.29	-1.21 (-1.84

	(881.37 to to 5.11)	(2474.84 to 4.25)	to -0.17)	(889.42 to 5.55)	(2271.82 to to 4.02)	to -0.57)
	1245.36)	2991.34)		1258.15)	2749.9)	
Iraq	353.23 4.38 (3.37	1406.61 6.09 (4.71	1.35 (0.93	357.99 4.58 (3.53	1336.43 6.07 (4.72	1.22 (0.79
	(272.92 to to 5.43)	(1068.91 to to 7.57)	to 1.77)	(274.8 to to 5.66)	(1018.38 to to 7.47)	to 1.65)
	439.12)	1782.5)		444.5)	1686.56)	
Israel	121.91 2.49 (2.23	337.46 2.97 (2.31	0.54 (0.44	129.6 2.65 (2.39	324.28 2.79 (2.55	0.1 (0 to
	(109.07 to to 2.74)	(263.12 to to 3.79)	to 0.63)	(116.74 to to 2.92)	(294.66 to to 3.04)	0.21)
	134.87)	428.66)		143.16)	354.23)	
Japan	24465.36 14.22	46659.56 12.71	-1.24 (-1.72	19986.95 11.67	34514.62 8.78 (7.8 to	-1.84 (-2.39
	(23600.8 to (13.71 to	(37994.64 to (10.51 to	to -0.75)	(19306.23 (11.25 to	(29605.21 9.42)	to -1.29)
	25148.05) 14.62)	55120.07) 14.98)		to 11.96)	to	
				20459.88)	37429.86)	
Jordan	40.08 3.01 (2.36	154.27 2.46 (1.98	-0.91 (-1.04	40.17 3.21 (2.52	141.26 2.38 (1.91	-1.27 (-1.4
	(31.83 to to 3.78)	(124.47 to to 3.04)	to -0.78)	(31.94 to to 4.02)	(113.49 to to 2.97)	to -1.13)
	49.48)	191.27)		49.54)	176.86)	
Kazakhstan	450.19 3.48 (3.24	1100.68 6.3 (5.43 to	-1.35 (-2.44	453.43 3.57 (3.34	1115.73 6.54 (5.63	-1.17 (-2.27
	(419.32 to to 3.71)	(946.15 to 7.24)	to -0.26)	(424.52 to to 3.82)	(956.32 to to 7.5)	to -0.06)
	482.17)	1272.44)		482.71)	1290.61)	
Kuwait	18.25 2.78 (2.47	65.83 (51.8 2.75 (2.17	0.58 (0.34	17.02 2.76 (2.45	53.64 2.36 (1.85	0.23 (-0.1 to
	(16.32 to to 3.1)	to 82.36) to 3.42)	to 0.82)	(15.18 to to 3.09)	(41.88 to to 2.96)	0.56)
	20.34)			18.99)	67.62)	
Kyrgyzstan	40.23 1.27 (1.16	114.29 (97 2.54 (2.16	3.14 (2.82	40.62 1.32 (1.21	117.42 2.7 (2.31 to	3.34 (2.95
	(36.27 to to 1.38)	to 132.3) to 2.91)	to 3.45)	(37.23 to to 1.42)	(99.92 to 3.09)	to 3.73)
	44.59)			44.14)	135.75)	
Laos	219.65 9.99 (6.95	304.68 6.72 (5.06	-1.63 (-1.74	222.6 10.47 (7.33	308.46 7.11 (5.4 to	-1.61 (-1.73
	(150.34 to to 13.51)	(223.29 to to 8.54)	to -1.51)	(152.96 to to 14.06)	(228.14 to 9.01)	to -1.49)

	299.84)			395.43)						303.47)			398.5)		
Lebanon	78.87	3.43	(2.84	191.92	3.67	(2.74	0.28	(0.13	79.45	3.56	(2.95	154.72	2.97	(2.19	-0.68 (-0.77
	(64.02	to	to 4.2)	(143.13	to	to 5.09)	to	to 0.44)	(65.05	to	to 4.32)	(114.48	to	to 4.14)	to -0.59)
	97.33)			265.83)						97.53)			215.55)		
Malaysia	523.27	5.51	(4.7 to	1641.04	6.08	(4.65	0.39	(0.16	531.73	5.78	(4.93	1628.22	6.22	(4.78	0.4 (0.11 to
	(448.16	to	6.44)	(1243.31	to	to 7.83)	to	to 0.62)	(456.26	to	to 6.75)	(1239.71	to	to 7.94)	0.7)
	611.98)			2134.11)						622.05)			2103.27)		
Maldives	6 (4.04	to	6.8 (4.73 to	16.85 (13.2	5.47	(4.31	-0.65	(-0.8	6.07 (4.12	7.33	(5.14	16.5 (12.99	5.63	(4.46	-0.86 (-0.99
	9.26)		10.09)	to 20.68)	to	6.7)	to	-0.49)	to 9.26)	to	10.73)	to 20.25)	to	6.89)	to -0.73)
Mongolia	679.84	64.22		2311.05	105.22		2.39	(1.95	692.85	66.77		2365.47	115.23		2.65 (2.18
	(543.82	to	(51.72 to	(1766.56	to	(82.57 to	to	2.84)	(555.56	to	(54.18 to	(1818.56	to	(91.48 to	to 3.13)
	826.85)		77.51)	2994.15)		131.46)			838.04)	79.9)		3038.55)		142.48)	
Myanmar	643.2	2.78	(2.01	1868.01	4.11	(3.46	1.28	(1.15	678.82	3.03	(2.23	1955.18	4.44	(3.76	1.28 (1.09
	(457.62	to	to 3.95)	(1542.68	to	to 4.88)	to	1.42)	(492.01	to	to 4.41)	(1629.39	to	to 5.26)	to 1.46)
	925.27)			2236.98)						997.59)			2324.71)		
Nepal	178.66	1.8	(1.4 to	459.74	2.13	(1.54	0.63	(0.52	188.07	1.97	(1.53	490.07	2.36	(1.71	0.7 (0.58 to
	(137.11	to	2.27)	(331.23	to	to 3.05)	to	0.75)	(142.23	to	to 2.47)	(353.57	to	to 3.39)	0.82)
	231.6)			662.43)						242.38)			700.83)		
North Korea	2589.05	14.62		3352.93	10.23	(7.66	-1.47	(-1.58	2531.27	14.77		3312.66	10.2	(7.75	-1.52 (-1.62
	(1965.02	to	(11.35 to	(2492.28	to	to 13.36)	to	-1.37)	(1944.43	to	(11.51 to	(2499.02	to	to 13.3)	to -1.41)
	3409.54)		18.97)	4401.89)					3304.26)	19.02)		4331.68)			
Oman	30.8 (21.78	4.25	(2.94	98.16 (78.98	5.27	(4.47	1.52	(1.16	29.84	4.36	(3.03	82.97	4.75	(3.98	1.06 (0.67
	to 41.42)	to	5.65)	to 121.59)	to	6.3)	to	1.89)	(20.96	to	to 5.79)	(66.53	to	to 5.69)	to 1.45)
										40.07)			103.08)		
Pakistan	1975.61	3.27	(2.16	3883.6	3.27	(2.56	-0.05	(-0.21	2060.47	3.47	(2.31	3911.55	3.46	(2.75	-0.04 (-0.19
	(1345.19	to	to 4.42)	(3101.33	to	to 4.02)	to	0.1)	(1427.56	to	to 4.72)	(3164.5	to	to 4.3)	to 0.1)

	2622.33)			4736.4)				2752.28)			4832.96)			
Palestine	71.99	8.42	(6.28	148.94	6.56	(5.52	-0.89 (-0.97	74.36	9	(6.8	to 142.23	6.61	(5.56	-1.08 (-1.16
	(52.57	to	to 11.14)	(124.66	to	to 7.88)	to -0.82)	(55.24	to	11.92)	(118.35	to	to 7.88)	to -1)
	96.13)			180.32)				98.71)			171.84)			
Philippines	3166.65	9.64	(7.27	5300.68	6.38	(5.16	-1.8 (-2.07	3150.52	10.04	(7.53	5280.37	6.58	(5.35	-1.84 (-2.12
	(2421.57	to	to 11.92)	(4244.35	to	to 7.84)	to -1.53)	(2361.72	to	to 12.27)	(4268.78	to	to 7.98)	to -1.56)
	3894.91)			6574.04)				3839.36)			6454.15)			
Qatar	14.61	16.14		108.14	17.39		0.85 (0.67	14.47	17.37		90.68	15.88		-0.13 (-0.34
	(11.09	to	(12.14	to	(75.75	to	(12.83	to	(10.97	to	(12.99	to	(11.76	to 0.08)
	19.18)		21.04)		146.58)		22.91)		18.94)		22.54)		123.92)	20.79)
Saudi Arabia	290.93	5.03	(3.66	855.48	5.29	(4.17	0 (-0.2	330.43	(235	5.91	(4.21	732.65	4.9 (3.86	to -0.96 (-1.21
	(211.77	to	to 6.43)	(644.99	to	to 6.69)	0.2)	to 433.76)	to	7.67)	(551.53	to	6.25)	to -0.71)
	373.3)			1124.01)							958.23)			
Singapore	189.49	8.44	(7.9	881.22	11.5	(9.24	1 (0.75	180.14	8.27	(7.75	657.97	8.68	(7.67	0.17 (-0.13
	(178.05	to	8.99)	(707.07	to	to 14.41)	1.25)	(169.36	to	to 8.76)	(585.65	to	to 9.66)	to 0.47)
	201.44)			1109.76)				191.07)			731.75)			
South Korea	3547.65	10.99	(9.18	20367.31	22.8	(18.72	3.38 (2.12	3412.87	11.04	(9.25	14477.37	16.2	(14.47	1.97 (0.73
	(2935.49	to	to 13.42)	(16677.58	to	to 27.32)	to 4.66)	(2831.28	to	to 13.4)	(12937.32	to	17.94)	to 3.23)
	4338.57)			24503.6)				4174.37)			to			
											16038.64)			
Sri Lanka	222.06	2.06	(1.81	711.03	2.8	(2.06	to 1.96 (1.63	228.73	2.22	(1.95	705.81	2.84	(2.11	1.84 (1.49
	(193.69	to	to 2.35)	(511.5	to	3.72)	to 2.28)	(200.07	to	to 2.52)	(512.12	to	to 3.77)	to 2.19)
	254.28)			953.33)				260.73)			941.04)			
Syrian Arab Republic	258.81	4.89	(3.64	534.69	4.5	(3.42	to -0.37 (-0.52	263.76	5.21	(3.84	501.62	4.41	(3.35	-0.75 (-0.92
	(195.65	to	to 6.23)	(400.38	to	5.9)	to -0.23)	(198.7	to	to 6.69)	(373.92	to	to 5.77)	to -0.57)
	325.68)			711.31)				333.06)			667.14)			

Tajikistan	33.72 (30.35 to 38.31)	1.04 (0.94 to 1.15)	173.92 (138.91 to 219.34)	3.7 (2.96 to 4.66)	5.12 (4.89 to 5.35)	32.75 (29.64 to 36.25)	1.07 (0.96 to 1.18)	174.25 (139.68 to 218.34)	4.02 (3.23 to 5.06)	5.31 (5.04 to 5.58)
Thailand	7868.96 (6829.9 to 9009.17)	20.81 (18.13 to 23.74)	24828.49 (18286.7 to 33054.99)	24.18 (17.89 to 32.01)	0.61 (0.52 to 0.69)	7883.04 (6843.63 to 9011.14)	21.6 (18.83 to 24.52)	24526.93 (18170.8 to 32510.83)	24.01 (17.88 to 31.65)	0.48 (0.36 to 0.61)
Timor-Leste	23.21 (15.2 to 32.86)	7.47 (5.02 to 10.41)	50.88 (33.49 to 71.95)	6.19 (4.18 to 8.57)	-0.88 (-1.05 to -0.71)	23.08 (15.13 to 32.64)	7.84 (5.35 to 10.86)	52.6 (35.38 to 73.85)	6.6 (4.53 to 9.09)	-0.79 (-0.96 to -0.62)
Turkey	1349.21 (1079.85 to 1640.1)	3.72 (2.97 to 4.47)	2767.82 (2204.34 to 3413.37)	3.21 (2.55 to 3.95)	-0.52 (-0.77 to -0.28)	1376.97 (1104.03 to 1665.6)	3.92 (3.13 to 4.69)	2536.79 (2009 to 3120.69)	2.96 (2.36 to 3.63)	-1 (-1.18 to -0.82)
Turkmenistan	25.38 (23.36 to 28.83)	1.17 (1.09 to 1.27)	234.46 (183.91 to 297.99)	5.55 (4.38 to 7.01)	6.35 (5.3 to 7.4)	24.47 (22.93 to 26.21)	1.21 (1.13 to 1.3)	229.43 (180.93 to 291.03)	5.59 (4.41 to 7.07)	6.16 (5.16 to 7.17)
United Arab Emirates	20.51 (11.1 to 36.5)	4.28 (2.15 to 8.14)	219.4 (92.71 to 496.49)	4.73 (2.01 to 10.82)	0.19 (-0.05 to 0.44)	19.66 (10.5 to 35.36)	4.57 (2.27 to 8.67)	202.72 (83.58 to 464.33)	4.9 (2.06 to 11.3)	0.17 (-0.08 to 0.42)
Uzbekistan	114.69 (99.29 to 134.44)	0.91 (0.82 to 1)	1345.91 (1098.1 to 1614.72)	6.34 (5.27 to 7.46)	9.05 (7.88 to 10.23)	112.64 (99.93 to 123.2)	0.95 (0.86 to 1.02)	1324.64 (1083.9 to 1586.83)	6.68 (5.58 to 7.83)	9.1 (8 to 10.22)
Viet Nam	1499.65 (1119.01 to 1892.91)	3.7 (2.77 to 4.63)	2335.33 (1786.64 to 2945.04)	2.61 (2.03 to 3.26)	-1.47 (-1.66 to -1.28)	1577.15 (1181.74 to 1982.71)	3.97 (2.95 to 4.96)	2387.05 (1839.27 to 2982.15)	2.75 (2.15 to 3.4)	-1.49 (-1.7 to -1.29)
Yemen	155.61 (98.42 to 240.8)	3.19 (2.03 to 4.67)	415.82 (300.68 to 531.0)	3.2 (2.32 to 4.33)	0.05 (-0.04 to 0.14)	159.28 (100.29 to 218.27)	3.42 (2.16 to 5.05)	423.33 (308.79 to 538.87)	3.42 (2.49 to 4.57)	0.04 (-0.04 to 0.13)

229.18)

568.5)

233.74)

575.07)

Abbreviations: ASR, age-standardized rate; EAPC, estimated annual percentage change; UI, uncertainty interval. CI, confidence interval.

sTable 8. The incident cases, deaths, and their change trends of pancreatic cancer in Asia countries from 1990 to 2019.

Location	Incidence (95% UI)						Deaths (95% UI)									
	1990			2019			1990-2019		1990			2019			1990-2019	
	No. Incident Cases	ASR		No. Incident Cases	ASR		EAPC in ASR (95% CI)		No. Deaths	ASR		No. Deaths	ASR		EAPC in ASR (95% CI)	
Afghanistan	134.25 (79.96 to 228.85)	1.88 (1.15 to 3.17)		317.39 (209.62 to 478.79)	2.57 (1.78 to 3.71)		1.38 (1.1 to 1.66)		137.92 (82.73 to 235.54)	2 (1.23 to 3.34)		318.77 (213.18 to 476.54)	2.72 (1.91 to 3.89)		1.38 (1.1 to 1.66)	
Armenia	176.25 (149.95 to 205.69)	6.64 (5.62 to 7.74)		421.91 (350.95 to 502.86)	10.16 (8.45 to 12.07)		1.58 (1.31 to 1.85)		178.25 (151.17 to 208.52)	6.9 (5.83 to 8.06)		437.75 (363.86 to 521.71)	10.61 (8.81 to 12.56)		1.59 (1.33 to 1.85)	
Asia	64444.07 (59818.72 to 69270.93)	3.42 (3.18 to 3.65)		249961.36 (224066.55 to 274321.05)	5.41 (4.83 to 5.94)		1.73 (1.64 to 1.82)		63922.4 (59015.3 to 68931.26)	3.48 (3.22 to 3.72)		249803.27 (226021.38 to 273315.97)	5.47 (4.91 to 5.98)		1.68 (1.59 to 1.77)	
Azerbaijan	170.32 (149.28 to 200.24)	3.42 (2.96 to 4.03)		627.51 (530.31 to 761.55)	7.07 (6.05 to 8.58)		2.98 (2.7 to 3.26)		171.55 (149.33 to 202.69)	3.52 (3.02 to 4.16)		629.57 (533.4 to 765.74)	7.45 (6.34 to 9.1)		3.1 (2.81 to 3.38)	
Bahrain	10 (8.5 to 11.84)	6.34 (5.41 to 7.43)		59.33 (45.95 to 75.04)	7.19 (5.73 to 8.76)		0.05 (-0.26 to 0.37)		10.04 (8.54 to 11.88)	6.8 (5.83 to 7.95)		57.57 (44.7 to 72.55)	7.59 (6.09 to 9.19)		0.03 (-0.29 to 0.35)	
Bangladesh	589.75 (372.82 to 823.64)	1.31 (0.81 to 1.83)		2616.25 (1651.69 to 3878.63)	2.07 (1.3 to 3.09)		1.62 (1.52 to 1.73)		609.91 (382.71 to 849.41)	1.4 (0.86 to 1.98)		2734.31 (1714.37 to 4080.17)	2.21 (1.39 to 3.3)		1.61 (1.5 to 1.73)	
Bhutan	3.15 (1.62 to 4.9)	1.35 (0.67 to 2.14)		16.39 (9.3 to 24.91)	3.05 (1.75 to 4.65)		3.02 (2.94 to 3.1)		3.21 (1.63 to 5)	1.45 (0.72 to 2.31)		17.25 (9.81 to 26.24)	3.3 (1.89 to 4.99)		3.04 (2.95 to 3.12)	

Brunei	5.65 (4.74 to 6.65)	6.43 (5.47 to 7.5)	23.89 (20.51 to 27.4)	9.24 (8.03 to 10.51)	1.62 (1.43 to 1.8)	5.57 (4.71 to 6.55)	6.62 (5.64 to 7.7)	22.96 (19.8 to 26.27)	9.3 (8.06 to 10.61)	1.55 (1.38 to 1.73)
Cambodia	93.7 (69.58 to 122.23)	2.1 (1.56 to 2.72)	406.48 (322.77 to 490.86)	3.52 (2.82 to 4.19)	1.91 (1.79 to 2.02)	95.59 (70.98 to 124.44)	2.23 (1.66 to 2.89)	417.97 (333.78 to 502.58)	3.75 (3.01 to 4.41)	1.92 (1.81 to 2.04)
China	26773.07 (23130.34 to 30261.62)	3.17 (2.77 to 3.57)	114964.19 (98047.54 to 133708.08)	5.78 (4.94 to 6.69)	2.32 (2.13 to 2.51)	27104.18 (23604.35 to 30844.27)	3.34 (2.93 to 3.76)	117374.03 (99862.67 to 136452.75)	5.99 (5.12 to 6.93)	2.25 (2.06 to 2.44)
Cyprus	31.63 (28.21 to 35.38)	4.05 (3.64 to 4.52)	155.06 (134.33 to 178.2)	8.07 (6.99 to 9.24)	2.99 (2.61 to 3.36)	33.16 (29.51 to 37.14)	4.34 (3.89 to 4.83)	156.71 (135.46 to 178.98)	8.22 (7.13 to 9.37)	2.8 (2.45 to 3.15)
Georgia	236.98 (193.65 to 306.25)	3.82 (3.14 to 4.93)	359.85 (295.73 to 427.43)	6.17 (5.09 to 7.37)	2.6 (2.02 to 3.18)	237.18 (193.52 to 306.63)	3.87 (3.18 to 5.03)	370.72 (306.06 to 437.88)	6.28 (5.18 to 7.46)	2.63 (2.05 to 3.22)
India	6081.36 (4968.93 to 7205.23)	1.44 (1.17 to 1.7)	32481.87 (28159.89 to 37342.85)	2.95 (2.55 to 3.4)	2.52 (2.38 to 2.65)	6168.72 (5023.01 to 7322.06)	1.55 (1.24 to 1.84)	33546.47 (29137.61 to 38690.36)	3.13 (2.71 to 3.6)	2.47 (2.33 to 2.6)
Indonesia	2150.82 (1782.88 to 2510.64)	2.22 (1.85 to 2.58)	10322.47 (6797.34 to 14365.54)	5.04 (3.3 to 6.97)	2.89 (2.83 to 2.94)	2180.71 (1803.93 to 2549.1)	2.36 (1.97 to 2.75)	10588.59 (6930.79 to 14830.9)	5.4 (3.51 to 7.49)	2.93 (2.88 to 2.98)
Iran	532.37 (433.44 to 645.65)	2.13 (1.73 to 2.58)	3319.18 (3082.28 to 3604.6)	4.72 (4.35 to 5.14)	2.86 (2.7 to 3.03)	534.34 (433.59 to 645.51)	2.25 (1.81 to 2.73)	3360.66 (3123.97 to 3643.5)	4.89 (4.51 to 5.32)	2.81 (2.64 to 2.98)
Iraq	230.15	3.02 (2.08)	1332.84	5.91 (4.48)	2.61 (2.25)	235.69	3.16 (2.18)	1329.03	6.12 (4.68)	2.56 (2.21)

	(159.44 to 4.09)	(1002.92 to 7.26)	to 2.97)	(162.97 to 4.29)	(1007.43 to 7.47)	to 2.91)
	310.88)	1667.55)		318.04)	1654.72)	
Israel	441.07 9.1 (8.53 to 4.13.9 to 9.63)	1238.77 10.57 (8.22 to 13.44)	0.33 (0.23 to 0.43)	469.97 9.75 (9.13 to 10.33)	1273.07 10.73 (9.6 to 11.68)	0.2 (0.12 to 0.28)
	467.29)	1571.24)		497.79)	1387.43)	
Japan	16442.62 9.77 (9.23 to 10.04)	40981.38 10.69 (8.82 to 12.47)	0.54 (0.43 to 0.66)	15361.09 9.17 (8.68 to 9.43)	37462.4 9.6 (8.4 to 10.26)	0.34 (0.24 to 0.44)
	(15599.84 to 16888.3)	(33124.7 to 47874.93)		(14605.86 to 15775.09)	(31495.54 to 40785.47)	
Jordan	32.2 (26.81 to 38.47)	2.55 (2.13 to 3.06)	316.7 5.19 (4.34 to 6.18)	2.85 (2.68 to 3.02)	32.54 2.7 (2.27 to 3.23)	315.33 5.4 (4.54 to 6.43)
		375.84)		(27.26 to 38.85)	(262.12 to 374.17)	2.79 (2.62 to 2.96)
Kazakhstan	147.26 1.21 (1.08 to 1.38)	1130.54 6.53 (5.58 to 7.57)	7.66 (6.53 to 8.81)	151.14 1.26 (1.13 to 1.45)	1129.02 6.67 (5.72 to 7.73)	7.52 (6.41 to 8.65)
	(132.01 to 168.11)	(962.85 to 1313.45)		(135.48 to 172.78)	(962.22 to 1311.62)	
Kuwait	21.59 3.88 (3.37 to 4.41)	121.34 5.33 (4.29 to 6.55)	1.71 (1.32 to 2.1)	21.34 4.05 (3.5 to 4.61)	121.07 5.56 (4.5 to 6.79)	1.68 (1.3 to 2.07)
	(18.94 to 24.34)	(97.77 to 148.08)		(18.72 to 24.1)	(98.05 to 147.68)	
Kyrgyzstan	112.61 3.7 (3.24 to 4.23)	229.91 5.09 (4.37 to 5.82)	1.16 (0.96 to 1.35)	113.34 3.76 (3.3 to 4.3)	232.19 5.3 (4.56 to 6.06)	1.27 (1.08 to 1.45)
	(98.61 to 128.23)	(197.39 to 264.6)		(99.28 to 129.35)	(199.28 to 266.55)	
Laos	47.7 (33.47 to 67.46)	2.27 (1.61 to 3.14)	140.14 3.31 (2.59 to 4.14)	1.26 (1.17 to 1.35)	48.57 2.4 (1.71 to 3.27)	143.19 3.52 (2.78 to 4.38)
		180.26)		(34.29 to 68.22)	(110.99 to 182.34)	1.29 (1.2 to 1.38)
Lebanon	69.97 3.15 (2.59 to 3.78)	339.8 6.55 (5.06 to 8.03)	2.96 (2.75 to 3.17)	71.47 (58.6 to 85.9)	3.32 (2.75 to 4)	342.29 6.61 (5.13 to 8.13)
	(57.44 to 265.31)	(264.02 to 299)				

	84.62)			415.78)								421.54)								
Malaysia	161.93		1.83	(1.56	927.67		3.61	(2.81	2.51	(2.13	167.1		1.95	(1.65	949.17		3.8	(2.98 to	2.44	(2.05
	(138.58	to	to 2.16)		(717.54	to	to 4.53)		to 2.88)		(142.36	to	to 2.32)		(735.96	to	4.76)		to 2.83)	
	188.45)				1170.32)						195.15)				1194.28)					
Maldives	2.41	(1.61	2.83	(2.01	11.96	(9.93	4.24	(3.49	1.1	(0.92 to	2.42	(1.64	3.03	(2.18	12.2	(10.11	4.49	(3.69	1.06	(0.89
	to 3.37)		to 3.87)		to 14.36)		to 5.08)		1.28)		to 3.37)		to 4.1)		to 14.63)		to 5.38)		to 1.24)	
Mongolia	31.42		3.07	(2.5 to	138.26		5.97	(4.7 to	2.28	(2.11	32.16		3.23	(2.63	137.53		6.28	(4.99	2.28	(2.11
	(25.42	to	3.67)		(105.76	to	7.51)		to 2.45)		(26.02	to	to 3.85)		(106.04	to	to 7.86)		to 2.45)	
	37.92)				178.56)						38.54)				176.8)					
Myanmar	530.98		2.29	(1.72	1665.91		3.71	(2.91	1.84	(1.74	544.45		2.44	(1.79	1721.7		3.95	(3.11	1.85	(1.75
	(395.11	to	to 3.03)		(1299.4	to	to 4.79)		to 1.94)		(393.9	to	to 3.16)		(1348.66	to	to 5.07)		to 1.95)	
	709.28)				2161.82)						717.65)				2222.86)					
Nepal	92.63		1.04	(0.56	583.49		2.76	(1.65	3.7	(3.41 to	95.41		1.13	(0.6 to	613.05		2.99	(1.79	3.71	(3.43
	(52.24	to	to 1.62)		(350.26	to	to 4.08)		3.99)		(53.07	to	1.72)		(367.61	to	to 4.42)		to 4)	
	138.01)				850.67)						142.79)				897.91)					
North Korea	478.37		2.89	(2.23	1229.49		3.8	(2.88 to	1.05	(1 to	473.17		2.96	(2.28	1241.28		3.88	(2.98	1.03	(0.97
	(361.83	to	to 3.69)		(916.52	to	4.81)		1.1)		(361.52	to	to 3.78)		(940.99	to	to 4.84)		to 1.08)	
	629.36)				1574.97)						618.23)				1570.61)					
Oman	12.83	(8.28	2.06	(1.38	88.43	(73.8	5.99	(5.22	4.02	(3.68	12.8	(8.31	2.16	(1.45	85.91		6.21	(5.43	4	(3.68 to
	to 18.53)		to 2.98)		to 108.81)		to 6.9)		to 4.35)		to 18.53)		to 3.13)		(72.38	to	to 7.15)		4.31)	
															104.25)					
Pakistan	815.06		1.47	(1.2 to	3032.76		2.91	(2.27	2.42	(2.24	858.86		1.58	(1.31	3100.94		3.1	(2.41 to	2.39	(2.21
	(668.3	to	1.73)		(2376.31	to	to 3.76)		to 2.6)		(716.19	to	to 1.86)		(2403.81	to	3.96)		to 2.57)	
	957.98)				3954.86)						1005.76)				3981.75)					
Palestine	27.77	(17.4	3.31	(2.07	149.34		6.7	(5.59 to	2.41	(2.15	28.67		3.5	(2.21 to	149.9		7.01	(5.84	2.37	(2.12
	to 40.18)		to 4.79)		(124.5	to	7.95)		to 2.67)		(18.01	to	5.02)		(125.49	to	to 8.3)		to 2.62)	

				177.86)				41.44)			178.49)				
Philippines	946.89		3.2 (2.87 to	3207.53	4.19 (3.39	0.55 (0.26		958.67	3.39 (3.04	3249.57	4.41 (3.64	0.53 (0.23			
	(841.13 to	3.56)		(2576.83 to	to 5.19)	to 0.85)		(848.75 to	to 3.77)	(2654.29 to	to 5.32)	to 0.82)			
	1061.54)			3967.94)				1078.19)		3957.58)					
Qatar	4.3 (3.22 to	4.57 (3.37		49.83 (35.52	7.62 (5.76	1.93 (1.58		4.21 (3.15	4.88 (3.6 to	46.72	8.07 (6.09	1.9 (1.56 to			
	5.64)	to 5.95)		to 68.87)	to 10.04)	to 2.29)		to 5.5)	6.38)	(33.54 to	to 10.5)	2.24)			
										64.43)					
Saudi Arabia	86.87		1.57 (1.07	889.64	5.02 (4.06	3.57 (3.07		100.14	1.86 (1.22	846.57	5.13 (4.16	2.84 (2.33			
	(60.29 to	to 2.14)		(684.95 to	to 6.14)	to 4.08)		(67.17 to	to 2.6)	(655.75 to	to 6.24)	to 3.35)			
	116.43)			1142.06)				138.95)		1081.02)					
Singapore	115.41		5.44 (5.01	462.63	6.07 (4.86	0.64 (0.49		113.27	5.44 (5.03	425.32	5.59 (4.97	0.33 (0.2 to			
	(107.13 to	to 5.86)		(369.75 to	to 7.53)	to 0.78)		(105.17 to	to 5.84)	(379.74 to	to 6.14)	0.46)			
	124.21)			571.76)				121.59)		466.38)					
South Korea	2234.41		7.65 (7.26	7982.24	8.98 (7.51	0.03 (-0.21		2197.52	7.74 (7.33	7303.11	8.25 (7.34	-0.33 (-0.57			
	(2131.59 to	to 8.09)		(6671.18 to	to 10.71)	to 0.26)		(2097.84 to	to 8.19)	(6519.3 to	to 9.2)	to -0.09)			
	2356.98)			9525.32)				2321.28)		8149.8)					
Sri Lanka	179.26		1.71 (1.55	716.8 (535.6	2.86 (2.14	2.37 (2.2 to		183.89	1.82 (1.65	734.15	2.98 (2.25	2.32 (2.14			
	(161.29 to	to 1.88)		to 953.43)	to 3.77)	2.55)		(165.68 to	to 2.01)	(548.54 to	to 3.91)	to 2.51)			
	198.1)							202.91)		969.92)					
Syrian Arab	90.09		1.74 (1.29	430.64	3.62 (2.71	2.79 (2.6 to		91.35	1.83 (1.34	430.82	3.75 (2.82	2.74 (2.55			
Republic	(67.05 to	to 2.28)		(318.9 to	to 4.85)	2.97)		(67.64 to	to 2.42)	(319.32 to	to 5.01)	to 2.92)			
	116.58)			590.9)				118.6)		587.71)					
Tajikistan	91.06		3.37 (2.32	217.94	5.18 (4.31	1.61 (1.31		95.45	3.57 (2.4 to	222.44	5.62 (4.68	1.7 (1.42 to			
	(63.81 to	to 4.99)		(178.12 to	to 6.35)	to 1.9)		(65.62 to	5.36)	(182.11 to	to 6.87)	1.98)			
	133.53)			269.07)				142.17)		273.96)					
Thailand	1119.36		3.17 (2.81	3998.93	3.95 (2.96	0.04 (-0.26		1133.53	3.34 (2.95	4140.5	4.11 (3.07	0.01 (-0.27			

	(989.52 to 1270.58)	to 3.6)		(2985.95 to 5156.12)	to 5.09)	to 0.33)		(1002.19 to 1286.44)	to 3.8)		(3096.35 to 5331.45)	to 5.3)	to 0.3)
Timor-Leste	4.37 (2.94 to 5.99)	1.57 (1.06 to 2.14)		22.74 (16.24 to 29.39)	2.86 (2.05 to 3.69)	2.58 (2.22 to 2.94)		4.38 (2.94 to 5.98)	1.68 (1.13 to 2.27)		23.61 (16.87 to 30.66)	3.07 (2.2 to 3.96)	2.61 (2.26 to 2.96)
Turkey	1806.78 (1473.49 to 2229.49)	5.06 (4.13 to 6.23)		7064.7 (5643.04 to 8691.78)	8.08 (6.47 to 9.93)	1.91 (1.52 to 2.29)		1837.08 (1501.33 to 2261.52)	5.28 (4.3 to 6.5)		7132.41 (5728.69 to 8753.56)	8.24 (6.62 to 10.08)	1.83 (1.46 to 2.21)
Turkmenistan	25.11 (22.94 to 27.64)	1.37 (1.25 to 1.51)		140.74 (113.02 to 177.43)	3.72 (2.99 to 4.64)	3.73 (3.54 to 3.93)		25.65 (23.45 to 28.28)	1.44 (1.31 to 1.59)		141.38 (113.46 to 177.71)	3.86 (3.12 to 4.8)	3.66 (3.46 to 3.85)
United Arab Emirates	34.3 (19.19 to 60.77)	7.84 (4.1 to 13.91)		761.15 (383.13 to 1207.63)	17.01 (9.09 to 25.36)	2.73 (2.26 to 3.2)		32.96 (18.27 to 58.5)	8.24 (4.32 to 14.6)		708.7 (358.82 to 1120.01)	17.57 (9.45 to 26.17)	2.67 (2.18 to 3.17)
Uzbekistan	166.11 (128.59 to 250.52)	1.48 (1.14 to 2.31)		849.44 (709.18 to 1012.37)	4.83 (4.12 to 5.65)	4.41 (4.19 to 4.63)		169.52 (130.37 to 259.77)	1.55 (1.18 to 2.45)		842.96 (705.99 to 1004.81)	5.18 (4.41 to 6.03)	4.55 (4.31 to 4.78)
Viet Nam	672.52 (551.39 to 799.33)	1.7 (1.41 to 2.01)		3824.61 (2971.84 to 4869.64)	4.3 (3.38 to 5.4)	3.82 (3.59 to 4.04)		705.82 (583.16 to 834.78)	1.82 (1.5 to 2.14)		3923.9 (3070 to 4959.71)	4.53 (3.57 to 5.68)	3.76 (3.54 to 3.98)
Yemen	57.32 (32.53 to 91.27)	1.19 (0.67 to 1.88)		273.72 (203.22 to 364.96)	2.12 (1.61 to 2.8)	2.45 (2.32 to 2.59)		58 (33.07 to 92.31)	1.25 (0.71 to 1.98)		277.47 (206.9 to 370.93)	2.23 (1.7 to 2.93)	2.46 (2.32 to 2.59)

Abbreviations: ASR, age-standardized rate; EAPC, estimated annual percentage change; UI, uncertainty interval. CI, confidence interval.

sTable 9. The incident cases, deaths, and their change trends of stomach cancer in Asia countries from 1990 to 2019.

Location	Incidence (95% UI)					Deaths (95% UI)						
	1990		2019		1990-2019	1990		2019		1990-2019		
	No. Incident Cases	ASR	No. Incident Cases	ASR	EAPC in ASR (95% CI)	No. Deaths	ASR	No. Deaths	ASR	EAPC in ASR (95% CI)		
Afghanistan	2160.01 (1498.7 to 2773.77)	30.39 (21.63 to 38.63)	3671.61 (2526.76 to 4816.07)	27.69 (19.94 to 34.87)	-0.35 (-0.56 to -0.14)	2199.89 (1558.24 to 2800.25)	31.99 (23.12 to 40.19)	3642.08 (2526.6 to 4721.01)	29.3 (21.25 to 36.52)	-0.32 (-0.53 to -0.12)		
Armenia	637.31 (610.11 to 666.4)	22.88 (21.93 to 23.9)	552.05 (461.03 to 648.17)	13.4 (11.19 to 15.74)	-1.92 (-2.1 to -1.73)	618.85 (592.74 to 646.96)	22.79 (21.84 to 23.79)	533.73 (447.27 to 624.17)	13.01 (10.9 to 15.23)	-1.98 (-2.16 to -1.81)		
Asia	559118.95 (514296.86 to 602068.54)	28.09 (25.97 to 30.21)	930100.46 (821898.39 to 1052240.19)	19.77 (17.54 to 22.28)	-1.09 (-1.3 to -0.88)	491462.8 (450826.38 to 535065.38)	25.65 (23.63 to 27.81)	672825.27 (596994.88 to 746917.7)	14.67 (13.04 to 16.23)	-1.84 (-2.09 to -1.59)		
Azerbaijan	1541.05 (1425.33 to 1665.34)	29.78 (27.52 to 32.12)	1925.88 (1595.43 to 2345.43)	21.72 (18.14 to 26.38)	-1.08 (-1.28 to -0.89)	1527.02 (1413.36 to 1648.2)	30.24 (28.01 to 32.6)	1878.3 (1556.24 to 2274.91)	22.48 (18.75 to 27.33)	-0.96 (-1.15 to -0.78)		
Bahrain	21.29 (18.14 to 24.53)	13.65 (11.75 to 15.55)	49.46 (39.2 to 62.06)	6.46 (5.24 to 7.82)	-2.77 (-3.05 to -2.5)	20.9 (17.89 to 24.02)	14.71 (12.67 to 16.67)	41.9 (33.38 to 52.29)	6.29 (5.13 to 7.58)	-3.06 (-3.36 to -2.77)		
Bangladesh	5264.3 (4375.32 to 6099.85)	10.99 (9.21 to 12.65)	8145.82 (6204.8 to 10830.14)	6.3 (4.83 to 8.27)	-1.77 (-1.96 to -1.57)	5330.52 (4439.52 to 6163.99)	11.56 (9.71 to 13.33)	8269.21 (6313.41 to 10905.65)	6.58 (5.07 to 8.6)	-1.79 (-2.02 to -1.57)		
Bhutan	23.68 (16.1 to 31.1)	9.29 (6.6 to 11.9)	43.91 (31.62 to 56.1)	7.96 (5.82 to 10.1)	-0.46 (-0.53 to -0.39)	23.64	9.81 (7.11 to 12.5)	44.89	8.41 (6.21 to 10.6)	-0.44 (-0.51 to -0.37)		

	to 31.91)	12.23)	to 58.47)	10.37)	to -0.38)	(16.26 to 31.59)	to 12.82)	(32.68 to 58.71)	to 10.85)	to -0.38)
Brunei	35.79 (31.3 to 40.65)	35.56 (31.5 to 40.08)	48.93 (42.12 to 56.18)	17.31 (15.13 to 19.53)	-2.58 (-2.79 to -2.38)	30.12 (26.47 to 34.01)	32.75 (29.02 to 36.72)	35.59 (30.96 to 40.2)	14.11 (12.38 to 15.85)	-2.93 (-3.12 to -2.74)
Cambodia	680.54 (525.74 to 824.58)	14.8 (11.61 to 17.85)	1027.15 (820.32 to 1248.51)	8.88 (7.13 to 10.59)	-1.92 (-2.04 to -1.79)	685.64 (530.35 to 830.73)	15.64 (12.3 to 18.85)	1031.8 (822.26 to 1242.82)	9.35 (7.53 to 11.05)	-1.92 (-2.03 to -1.8)
China	317335.29 (277899.97 to 359321.77)	37.56 (33.08 to 42.27)	612821.17 (512997.19 to 728891.26)	30.64 (25.82 to 36.15)	-0.41 (-0.75 to -0.08)	305466.53 (267210.13 to 345401.73)	37.73 (33.2 to 42.39)	421539.17 (353520.32 to 493176.18)	21.72 (18.31 to 25.31)	-1.68 (-2.07 to -1.28)
Cyprus	68.31 (58.88 to 76.37)	9 (7.81 to 10.01)	172.22 (150.39 to 197.11)	9 (7.85 to 10.27)	0.4 (0.09 to 0.7)	66.11 (57.13 to 74.03)	9.09 (7.83 to 10.12)	124.68 (108.98 to 142.94)	6.66 (5.87 to 7.6)	-0.85 (-1.1 to -0.59)
Georgia	1239.22 (1133.74 to 1354.53)	19.93 (18.27 to 21.74)	829.62 (699.19 to 981.9)	14.37 (12.09 to 17.01)	-0.33 (-0.78 to 0.13)	1194.31 (1091.28 to 1304.72)	19.46 (17.82 to 21.19)	827.35 (695.87 to 978.15)	14.07 (11.86 to 16.62)	-0.26 (-0.71 to 0.2)
India	47654.56 (42816.78 to 52841.06)	10.31 (9.16 to 11.5)	82315.84 (70723.46 to 95424.92)	7.14 (6.12 to 8.27)	-1.41 (-1.51 to -1.3)	47068.46 (41687.1 to 52076.52)	10.85 (9.63 to 12.08)	81770.97 (70139.47 to 94684.77)	7.32 (6.3 to 8.44)	-1.51 (-1.62 to -1.41)
Indonesia	8403.71 (6856.92 to 9582.03)	8.51 (7 to 9.76)	12896.26 (10663.46 to 14998.43)	6.4 (5.36 to 7.28)	-0.92 (-0.97 to -0.88)	8433.86 (6887.6 to 9637.04)	9.03 (7.47 to 10.32)	12964.74 (10817.05 to 14876.02)	6.82 (5.74 to 7.68)	-0.89 (-0.94 to -0.84)

Iran	5945.33 (5141.84 to 6520.46)	23.93 (20.81 to 26.8)	11736.28 (10918.68 to 12644.46)	16.79 (15.49 to 18.16)	-1.17 (-1.38 to -0.95)	5860.85 (5169.73 to 6448.74)	25.25 (22.45 to 28.55)	10951.37 (10144.2 to 11752)	16.17 (14.86 to 17.4)	-1.42 (-1.62 to -1.22)
Iraq	530.33 (426.66 to 656.54)	6.71 (5.44 to 8.26)	1360.36 (1034.4 to 1700.32)	5.78 (4.53 to 7.07)	-0.54 (-0.74 to -0.34)	533.78 (431.54 to 658.97)	6.99 (5.7 to 8.53)	1268.12 (975.06 to 1569.85)	5.71 (4.55 to 6.89)	-0.73 (-0.9 to -0.56)
Israel	531.08 (497.63 to 562.1)	11.03 (10.31 to 11.66)	889.59 (698.69 to 1131.25)	7.71 (6.04 to 9.8)	-1.83 (-2 to -1.65)	516.59 (484 to 546.33)	10.87 (10.12 to 11.48)	716.37 (645.73 to 775.84)	6.04 (5.48 to 6.52)	-2.59 (-2.76 to -2.43)
Japan	103436.47 (99544.95 to 105881.21)	61.24 (58.81 to 62.71)	102234.68 (83883.69 to 120371.05)	28.29 (23.71 to 33.27)	-2.73 (-2.79 to -2.68)	53313.94 (50875.21 to 54577.25)	32.19 (30.55 to 33.01)	57162.19 (48002.22 to 62076.34)	14.07 (12.45 to 15.01)	-2.94 (-2.98 to -2.89)
Jordan	103.07 (86.12 to 122.67)	7.9 (6.64 to 9.36)	333.89 (277.29 to 402.06)	5.34 (4.45 to 6.41)	-1.49 (-1.58 to -1.4)	101.77 (85.31 to 120.82)	8.34 (7.04 to 9.86)	296.8 (247.44 to 358.04)	5.14 (4.31 to 6.12)	-1.82 (-1.9 to -1.73)
Kazakhstan	4354.54 (4152.87 to 4558.85)	33.82 (32.2 to 35.39)	2553.73 (2212.3 to 2929.48)	14.63 (12.77 to 16.69)	-2.76 (-2.91 to -2.62)	4284.99 (4080.3 to 4481.98)	33.94 (32.27 to 35.51)	2403.71 (2090.28 to 2754.49)	14.11 (12.33 to 16.09)	-2.9 (-3.05 to -2.76)
Kuwait	35.64 (32.41 to 39.35)	6.33 (5.64 to 7.09)	91.79 (76.52 to 110.59)	3.94 (3.26 to 4.76)	-1.51 (-1.8 to -1.22)	32.43 (29.42 to 35.74)	6.27 (5.55 to 7.04)	74.12 (62 to 88.18)	3.45 (2.86 to 4.15)	-1.95 (-2.26 to -1.64)
Kyrgyzstan	990.79 (937.37 to 1046.18)	32.03 (30.35 to 33.8)	802.29 (696.93 to 911.44)	16.97 (14.81 to 19.24)	-2.23 (-2.53 to -1.93)	972.44 (920.63 to 1026.4)	31.81 (30.1 to 33.59)	769.44 (669.86 to 872.6)	16.78 (14.69 to 19.02)	-2.22 (-2.5 to -1.94)
Laos	342.61	15.96	332.32	7.77 (5.95 to 9.59)	-2.76 (-2.87 to -2.65)	345.13	16.76	334.97	8.27 (6.4 to 10.14)	-2.71 (-2.82 to -2.6)

	(259.94 to 428.17)	(12.28 to 19.77)	(250.27 to 420.93)	9.66	to -2.65)	(262.66 to 430.86)	(12.83 to 20.73)	(254.21 to 419.32)	10.19	to -2.6)
Lebanon	216.25 (179.68 to 262.04)	9.81 (8.2 to 11.8)	422.52 (341.27 to 549.67)	8.07 (6.53 to 10.55)	-0.42 (-0.57 to -0.27)	215.93 (179.68 to 260.92)	10.18 (8.53 to 12.22)	352.92 (286.57 to 464.34)	6.78 (5.51 to 8.97)	-1.2 (-1.29 to -1.12)
Malaysia	877.87 (806.43 to 956.19)	9.77 (8.96 to 10.66)	1826.32 (1470.34 to 2259.38)	7.24 (5.86 to 8.96)	-1.49 (-1.67 to -1.31)	888.63 (814.84 to 967.61)	10.27 (9.42 to 11.21)	1695.22 (1373.33 to 2100.13)	7.04 (5.73 to 8.64)	-1.77 (-1.97 to -1.57)
Maldives	7.96 (6.12 to 9.48)	9.32 (7.29 to 10.86)	10.83 (8.93 to 12.9)	3.79 (3.11 to 4.52)	-3.72 (-4.02 to -3.41)	7.86 (6.06 to 9.33)	9.95 (7.8 to 11.5)	9.64 (7.92 to 11.43)	3.6 (2.98 to 4.26)	-4.14 (-4.4 to -3.87)
Mongolia	675.64 (562.73 to 807.09)	65.41 (54.92 to 77.35)	984.11 (754.65 to 1263.47)	43.7 (34.29 to 55.1)	-1.99 (-2.24 to -1.75)	691.44 (579.58 to 821.23)	68.82 (58.12 to 80.89)	972.34 (747.03 to 1240.24)	46.04 (36.3 to 57.48)	-1.98 (-2.23 to -1.73)
Myanmar	3377.89 (2615.39 to 4395.5)	14.17 (11.08 to 18.22)	3089.38 (2542.71 to 3800.63)	6.86 (5.75 to 8.3)	-2.74 (-2.84 to -2.65)	3410.08 (2661.05 to 4272)	14.93 (11.79 to 18.68)	3128.58 (2595.32 to 3825.62)	7.22 (6.1 to 8.66)	-2.73 (-2.81 to -2.64)
Nepal	936.92 (718.48 to 1174.67)	9.57 (7.4 to 11.86)	1836.65 (1427.63 to 2343.05)	8.42 (6.58 to 10.66)	-0.32 (-0.58 to -0.05)	940.61 (733.79 to 1171.89)	10.1 (7.96 to 12.46)	1881.2 (1466.9 to 2384.38)	8.96 (7.05 to 11.34)	-0.28 (-0.53 to -0.02)
North Korea	5213.49 (3947.15 to 6630.77)	31.13 (24.45 to 38.9)	7583.71 (5986.79 to 9409.14)	23.4 (18.56 to 28.92)	-0.99 (-1.09 to -0.89)	4949.89 (3778.16 to 6282.13)	30.8 (24.09 to 38.31)	7204.31 (5694.5 to 8907.06)	22.49 (17.92 to 27.59)	-1.08 (-1.21 to -0.96)
Oman	82.93 (61.25 to 106.43)	12.88 (9.75 to 16.13)	125.1 (108.6 to 145.25)	8.55 (7.51 to 9.82)	-1.1 (-1.29 to -0.91)	80.1 (59.32 to 102.01)	13.31 (10.19 to 16.57)	103.46 (90.25 to 120.1)	7.98 (6.95 to 9.13)	-1.4 (-1.57 to -1.23)
Pakistan	3694.89	6.58 (5.23	7057.23	6.45 (5.34 to	-0.19 (-0.43	3884.72	7.13 (5.66	7105.4	6.87 (5.71	-0.25 (-0.48

	(2959.58 to 4340.14)	to 7.74)	(5827.33 to 8595.78)	to 7.79)	to 0.05)	(3134.71 to 4573.79)	to 8.46)	(5878.73 to 8687.89)	to 8.31)	to -0.01)
Palestine	96.73 (74.2 to 123.92)	11.04 (8.53 to 14.14)	168.01 (143.09 to 196.11)	7.16 (6.13 to 8.27)	-1.55 (-1.76 to -1.34)	96.48 (74.47 to 123.67)	11.47 (8.91 to 14.52)	156.02 (133.07 to 181.23)	7.12 (6.13 to 8.22)	-1.68 (-1.86 to -1.51)
Philippines	2127.11 (1899.93 to 2376.95)	7.05 (6.27 to 7.92)	3388.77 (2780.69 to 4123.72)	4.38 (3.62 to 5.27)	-1.81 (-1.99 to -1.62)	2106.56 (1880.32 to 2354.09)	7.46 (6.66 to 8.3)	3314.65 (2749.51 to 3948.61)	4.5 (3.78 to 5.3)	-1.88 (-2.06 to -1.69)
Qatar	11.8 (9.48 to 14.47)	11.93 (9.63 to 14.84)	55.56 (41.8 to 73.43)	8.99 (6.95 to 11.39)	-0.78 (-1.09 to -0.48)	11.13 (8.95 to 13.61)	12.66 (10.26 to 15.85)	40.9 (30.77 to 54.31)	8.26 (6.47 to 10.36)	-1.34 (-1.63 to -1.04)
Saudi Arabia	346.99 (263.79 to 433.9)	6.39 (4.91 to 7.87)	755.81 (588.28 to 955.92)	4.4 (3.6 to 5.33)	-1.47 (-1.6 to -1.33)	396.48 (292.79 to 510.75)	7.61 (5.74 to 9.62)	622.53 (492.26 to 777.57)	4.1 (3.36 to 4.95)	-2.44 (-2.61 to -2.28)
Singapore	580.23 (547.95 to 611.24)	26.88 (25.3 to 28.36)	810.58 (648.65 to 1009.72)	10.72 (8.6 to 13.31)	-3.32 (-3.45 to -3.19)	417.53 (397.99 to 436.46)	20.41 (19.3 to 21.36)	408.5 (362.45 to 445.9)	5.54 (4.87 to 6.05)	-4.74 (-4.92 to -4.56)
South Korea	19679.29 (18764.85 to 20539.93)	61.57 (58.72 to 64.45)	25074.17 (20655.61 to 29936.02)	28.67 (23.65 to 34.17)	-3.24 (-3.51 to -2.97)	15885.12 (15178.95 to 16573.14)	52.35 (49.97 to 55.05)	12249.57 (10961.69 to 13503.11)	14.09 (12.57 to 15.6)	-5.26 (-5.49 to -5.04)
Sri Lanka	917.63 (828.4 to 1018.52)	8.98 (8.1 to 10)	1343.18 (1011.83 to 1777.62)	5.43 (4.12 to 7.13)	-1.47 (-1.61 to -1.33)	932.9 (843.28 to 1036.23)	9.62 (8.66 to 10.71)	1203.16 (915.76 to 1584.76)	5.04 (3.87 to 6.55)	-1.91 (-2.05 to -1.77)
Syrian Arab Republic	304.84 (240.25 to 304.84)	5.77 (4.6 to 7.09)	568.81 (419.98 to 568.81)	4.97 (3.78 to 6.55)	-0.66 (-0.91 to -0.41)	305.18 (242.18 to 305.18)	6.09 (4.86 to 7.43)	534.12 (396.88 to 534.12)	4.97 (3.82 to 6.47)	-0.89 (-1.13 to -0.64)

	377.37)		762.42)				376.24)		708.44)				
Tajikistan	906.04	31.34	1163.46	24.01 (19.72	-0.34 (-0.65	900.7	31.67	1142.58	25.26	-0.17 (-0.46			
	(837.72 to	(29.05 to	(942.65 to	to 29.11)	to -0.04)	(832.56 to	(29.35 to	(927.71 to	(20.77 to	to 0.13)			
	983.91)	33.97)	1442.06)			977.42)	34.32)	1412.16)	30.44)				
Thailand	3967.82	10.83 (9.54	5924.62	5.9 (4.44 to	-2.68 (-2.91	3883.16	11.11 (9.81	5228.24	5.22 (3.93	-3.17 (-3.39			
	(3488.51 to	to 12.17)	(4437.33 to	7.81)	to -2.44)	(3413.57 to	to 12.47)	(3925.11 to	to 6.85)	to -2.94)			
	4464.41)		7815.81)			4363.16)		6848.51)					
Timor-Leste	29.24	10.03 (7.54	56.97 (41.3	7.3 (5.36 to	-1.24 (-1.51	29.01	10.69 (8.04	58.56	7.85 (5.83	-1.2 (-1.45			
	(21.23 to	to 12.55)	to 71.48)	8.99)	to -0.96)	(21.24 to	to 13.29)	(42.89 to	to 9.6)	to -0.94)			
	37.74)					37.16)		72.76)					
Turkey	7351.98	19.88	10487.25	11.91 (9.51	-1.42 (-2.06	7305.62	20.38	9323.43	10.75 (8.59	-1.86 (-2.45			
	(6227.92 to	(16.99 to	(8362.84 to	to 14.6)	to -0.77)	(6219.84 to	(17.45 to	(7434.1 to	to 13.18)	to -1.26)			
	8454.33)	22.91)	12870.51)			8406.83)	23.47)	11432.82)					
Turkmenistan	437.6	22.07 (21.1	375.05	9.35 (7.44 to	-3.31 (-3.68	431.85	22.42	359.25	9.23 (7.35	-3.41 (-3.78			
	(418.09 to	to 23.03)	(297.55 to	11.66)	to -2.93)	(412.65 to	(21.39 to	(285.52 to	to 11.45)	to -3.05)			
	457.01)		471.03)			451.16)	23.41)	450.35)					
United Arab Emirates	48.2 (36.93	14.29	277.5 (199.5	8.84 (6.91 to	-1.86 (-2.29	46.5 (35.74	15.57	246.04	9.23 (7.31	-1.98 (-2.43			
	to 61.32)	(11.28 to	to 373.59)	10.98)	to -1.42)	to 58.94)	(12.24 to	(177.31 to	to 11.38)	to -1.53)			
		17.41)					18.75)	329.88)					
Uzbekistan	2609.78	22.32	2940.56	13.46 (11.39	-1.97 (-2.13	2561.2	22.38	2753.89	13.43	-1.95 (-2.11			
	(2481.32 to	(21.22 to	(2447.34 to	to 15.56)	to -1.82)	(2435.64 to	(21.27 to	(2287.09 to	(11.44 to	to -1.79)			
	2733.85)	23.37)	3444.24)			2680.34)	23.44)	3217.89)	15.44)				
Viet Nam	7188.14	17.69	9969.2	10.59 (8.51	-2.18 (-2.37	7335.94	18.4 (14.65	9059.71	9.98 (8.14	-2.53 (-2.72			
	(5715.67 to	(14.14 to	(7900.8 to	to 12.64)	to -2)	(5855.27 to	to 22.05)	(7269.14 to	to 11.84)	to -2.34)			
	8702.88)	21.31)	12126.77)			8816.5)		10917.18)					
Yemen	1004.54	20.3 (14.57	2535.68	19.18 (14.73	-0.25 (-0.31	1009.21	21.39	2540.5	20.2 (15.54	-0.25 (-0.32			

(701.35 to 26.17)	(1926.3 to 25.05)	to -0.18)	(714.86 to (15.47 to (1941.14 to 26.28)	to -0.19)
1305.63)	3358.13)		1307.36) 27.39)	3344.56)

Abbreviations: ASR, age-standardized rate; EAPC, estimated annual percentage change; UI, uncertainty interval. CI, confidence interval.