

Supplementary Table 1. Annual number of liver cancer cases, crude rates, and age-standardized rates (ASR) of incidence and mortality

Year	Liver cancer					
	Incidence			Mortality		
	New case	Crude rate	ASR	Cancer death	Crude rate	ASR
1999	13,262	28.1	27.9	9,767	20.7	20.6
2000	13,085	27.5	26.6	10,137	21.3	20.7
2001	13,822	28.9	27.2	10,199	21.3	20.1
2002	13,989	29.1	26.5	11,117	23.1	21.1
2003	14,103	29.2	25.7	10,966	22.7	20.0
2004	14,497	29.9	25.6	10,915	22.5	19.2
2005	15,149	31.1	25.8	10,936	22.5	18.6
2006	14,982	30.7	24.6	10,950	22.4	17.9
2007	15,418	31.4	24.3	11,190	22.8	17.5
2008	15,804	32.0	24.0	11,292	22.9	16.9
2009	16,033	32.3	23.3	11,246	22.7	16.2
2010	16,200	32.5	22.7	11,205	22.5	15.4
2011	16,418	32.8	22.1	10,946	21.8	14.5
2012	16,162	32.1	21.0	11,335	22.5	14.4
2013	16,045	31.7	20.1	11,405	22.6	13.8
2014	15,950	31.4	19.1	11,566	22.8	13.4
2015	15,971	31.4	18.5	11,311	22.2	12.6
2016	15,964	31.2	17.8	11,001	21.5	11.7
2017	15,670	30.6	16.8	10,721	20.9	10.9
2018	15,834	30.9	16.3	10,611	20.7	10.2
2019	15,605	30.4	15.6	10,586	20.6	9.9

Supplementary Table 2. Trends of incidence and mortality of liver cancer, both sexes

Year	APC	<i>p</i> -value	AAPC (1999–2019)	<i>p</i> -value
Incidence			–2.81	< 0.01
1999–2009	–1.56	< 0.01		
2009–2019	–4.06	< 0.01		
Mortality			–4.86	< 0.01
1999–2002	0.61	0.52		
2002–2014	–3.66	< 0.01		
2014–2019	–6.09	< 0.01		

APC, annual percent change; AAPC, average annual percent change.

Supplementary Table 3. Annual number of hepatocellular carcinoma (HCC) cases, crude rates, and age-standardized rates (ASR) of incidence and mortality

Year	HCC					
	Incidence			Mortality		
	New case	Crude rate	ASR	Cancer death	Crude rate	ASR
1999	9,894	21.0	20.7	9,290	19.7	19.5
2000	9,907	20.8	20.0	9,495	20.0	19.4
2001	10,531	22.0	20.6	9,450	19.7	18.6
2002	10,725	22.3	20.3	9,514	19.8	18.0
2003	10,983	22.7	20.0	9,371	19.4	17.1
2004	11,274	23.3	19.8	9,301	19.2	16.4
2005	11,861	24.4	20.2	9,352	19.2	15.9
2006	11,700	23.9	19.2	9,188	18.8	15.0
2007	11,725	23.9	18.5	9,090	18.5	14.3
2008	11,782	23.9	17.9	9,014	18.3	13.6
2009	12,290	24.8	18.0	9,068	18.3	13.1
2010	12,428	24.9	17.5	8,653	17.4	12.0
2011	12,293	24.5	16.7	8,395	16.8	11.2
2012	12,071	24.0	15.8	8,589	17.1	11.0
2013	12,085	23.9	15.3	8,663	17.1	10.6
2014	11,971	23.6	14.6	8,747	17.2	10.3
2015	11,989	23.5	14.1	8,454	16.6	9.5
2016	11,949	23.4	13.5	8,218	16.1	8.9
2017	11,799	23.0	12.9	8,046	15.7	8.3
2018	11,650	22.7	12.3	7,878	15.4	7.8
2019	11,698	22.8	11.9	7,794	15.2	7.4

Supplementary Table 4. Trends of incidence and mortality of hepatocellular carcinoma cases, both sexes

Year	APC	<i>p</i> -value	AAPC (1999–2019)	<i>p</i> -value
Incidence			–2.73	< 0.01
1999–2002	–0.64	< 0.01		
2002–2009	–2.62	< 0.01		
2009–2019	–4.15	< 0.01		
Mortality			–4.86	< 0.01
1999–2002	–3.59	< 0.01		
2002–2019	–5.44	< 0.01		
	–3.62	< 0.01		

APC, annual percent change; AAPC, average annual percent change.

Supplementary Table 5. Annual number of intrahepatic cholangiocarcinoma (IHCC) cases, crude rates, and age-standardized rates (ASR) of incidence and mortality

Year	IHCC					
	Incidence			Mortality		
	New case	Crude rate	ASR	Cancer death	Crude rate	ASR
1999	1,102	2.3	2.4	474	1.0	1.0
2000	1,056	2.2	2.2	587	1.2	1.2
2001	1,159	2.4	2.3	701	1.5	1.4
2002	1,449	3.0	2.8	1,454	3.0	2.8
2003	1,562	3.2	2.9	1,440	3.0	2.6
2004	1,849	3.8	3.3	1,455	3.0	2.6
2005	2,138	4.4	3.6	1,539	3.2	2.6
2006	2,277	4.7	3.7	1,707	3.5	2.8
2007	2,668	5.4	4.2	1,979	4.0	3.1
2008	2,770	5.6	4.1	2,109	4.3	3.1
2009	2,899	5.8	4.1	2,001	4.0	2.8
2010	2,848	5.7	3.9	2,352	4.7	3.1
2011	3,002	6.0	3.9	2,407	4.8	3.1
2012	3,016	6.0	3.8	2,567	5.1	3.1
2013	3,038	6.0	3.6	2,571	5.1	3.0
2014	3,066	6.0	3.4	2,628	5.2	2.9
2015	2,954	5.8	3.2	2,643	5.2	2.8
2016	2,801	5.5	2.9	2,557	5.0	2.6
2017	2,817	5.5	2.8	2,397	4.7	2.3
2018	3,068	6.0	2.9	2,432	4.7	2.2
2019	2,883	5.6	2.7	2,551	5.0	2.2

Supplementary Table 6. Trends of incidence and mortality of intra-hepatic cholangiocarcinoma cases both sexes

Year	APC	<i>p</i> -value	AAPC (1999–2019)	<i>p</i> -value
Incidence			1.03	< 0.01
1999–2008	8.07	< 0.01		
2008–2019	−4.38	< 0.01		
Mortality			4.56	< 0.01
1999–2002	42.74	< 0.01		
2002–2009	2.3	< 0.01		
2009–2019	5.59	< 0.01		

APC, annual percent change; AAPC, average annual percent change.