

Table S1 The MBC Deaths Attributable to Risk Factors from 1990 to 2021 in China

Year	Deaths		
	High alcohol use (%)	Diet high in red meat (%)	Secondhand smoke (%)
1990	8.93	13.31	0.92
1991	8.96	13.32	0.92
1992	8.98	13.35	0.93
1993	8.96	13.37	0.93
1994	8.94	13.39	0.94
1995	8.91	13.42	0.94
1996	8.80	13.44	0.95
1997	8.59	13.45	0.95
1998	8.33	13.47	0.95
1999	8.12	13.49	0.96
2000	8.00	13.50	0.96
2001	7.96	13.51	0.96
2002	7.94	13.52	0.96
2003	7.92	13.53	0.96
2004	7.92	13.54	0.97
2005	7.92	13.54	0.97
2006	8.03	13.55	0.97
2007	8.22	13.55	0.97
2008	8.45	13.56	0.97
2009	8.65	13.56	0.97
2010	8.78	13.57	0.97
2011	8.86	13.58	0.97
2012	8.94	13.60	0.97
2013	8.99	13.60	0.97
2014	9.00	13.60	0.97
2015	9.01	13.60	0.97
2016	9.01	13.60	0.97
2017	9.01	13.60	0.97
2018	9.01	13.59	0.97
2019	8.99	13.59	0.97
2020	9.01	13.60	0.97
2021	9.02	13.60	0.97

MBC, Male Breast Cancer

Table S2 The MBC DALYs Attributable to Risk Factors from 1990 to 2021 in China

Year	DALYs		
	High alcohol use (%)	Diet high in red meat (%)	Secondhand smoke (%)
1990	9.42	13.10	0.90
1991	9.46	13.12	0.90
1992	9.50	13.16	0.91
1993	9.49	13.19	0.92
1994	9.49	13.22	0.92
1995	9.47	13.26	0.93
1996	9.37	13.29	0.93
1997	9.16	13.31	0.94
1998	8.91	13.34	0.94
1999	8.69	13.36	0.94
2000	8.59	13.37	0.95
2001	8.55	13.38	0.95
2002	8.53	13.40	0.95
2003	8.52	13.41	0.95
2004	8.52	13.42	0.95
2005	8.52	13.43	0.95
2006	8.63	13.44	0.95
2007	8.83	13.45	0.95
2008	9.07	13.46	0.95
2009	9.28	13.47	0.96
2010	9.41	13.48	0.96
2011	9.49	13.51	0.96
2012	9.55	13.54	0.96
2013	9.60	13.55	0.96
2014	9.62	13.54	0.96
2015	9.63	13.54	0.96
2016	9.63	13.54	0.96
2017	9.63	13.55	0.96
2018	9.63	13.55	0.96
2019	9.62	13.55	0.96
2020	9.64	13.56	0.96
2021	9.65	13.56	0.96

MBC, Male Breast Cancer; DALYs, Disability-Adjusted Life Years

Table S3 The MBC Deaths Attributable to Risk Factors from 1990 to 2021 in Global

Year	Deaths		
	High alcohol use (%)	Diet high in red meat (%)	Secondhand smoke (%)
1990	7.05	11.88	0.86
1991	7.02	11.86	0.86
1992	7.03	11.85	0.86
1993	7.05	11.86	0.86
1994	7.07	11.84	0.86
1995	7.05	11.82	0.87
1996	7.01	11.80	0.87
1997	6.94	11.76	0.87
1998	6.93	11.76	0.87
1999	6.96	11.80	0.87
2000	6.98	11.79	0.87
2001	6.97	11.77	0.87
2002	6.98	11.75	0.88
2003	6.95	11.70	0.88
2004	6.93	11.67	0.88
2005	6.96	11.69	0.87
2006	6.99	11.73	0.87
2007	7.02	11.73	0.87
2008	7.06	11.75	0.86
2009	7.14	11.80	0.86
2010	7.16	11.82	0.86
2011	7.18	11.84	0.86
2012	7.23	11.87	0.85
2013	7.22	11.87	0.85
2014	7.18	11.84	0.85
2015	7.19	11.83	0.84
2016	7.23	11.84	0.84
2017	7.21	11.81	0.83
2018	7.18	11.78	0.83
2019	7.14	11.75	0.83
2020	7.12	11.73	0.83
2021	7.12	11.71	0.83

MBC, Male Breast Cancer

Table S4 The MBC DALYs Attributable to Risk Factors from 1990 to 2021 in Global

Year	DALYs		
	High alcohol use (%)	Diet high in red meat (%)	Secondhand smoke (%)
1990	7.59	11.81	0.88
1991	7.57	11.79	0.88
1992	7.60	11.79	0.88
1993	7.63	11.80	0.88
1994	7.64	11.79	0.88
1995	7.62	11.77	0.89
1996	7.57	11.75	0.89
1997	7.50	11.71	0.90
1998	7.48	11.71	0.90
1999	7.50	11.74	0.90
2000	7.51	11.73	0.90
2001	7.49	11.71	0.90
2002	7.50	11.69	0.90
2003	7.48	11.66	0.90
2004	7.46	11.63	0.90
2005	7.49	11.66	0.90
2006	7.53	11.71	0.89
2007	7.58	11.72	0.89
2008	7.64	11.75	0.89
2009	7.73	11.80	0.88
2010	7.77	11.83	0.88
2011	7.79	11.85	0.88
2012	7.84	11.89	0.88
2013	7.84	11.91	0.87
2014	7.81	11.89	0.87
2015	7.80	11.88	0.86
2016	7.82	11.88	0.86
2017	7.80	11.85	0.86
2018	7.77	11.82	0.85
2019	7.73	11.80	0.86
2020	7.70	11.78	0.85
2021	7.70	11.76	0.85

MBC, Male Breast Cancer; DALYs, Disability-Adjusted Life Years