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## **APPENDIX C**

### **DETAILED TABLES OF EFFECTS OF NSPs ON HIV AND HCV**

**Table 3.4.1 Estimated number of people living with HIV/AIDS and total deaths with NSP introduction<sup>1</sup>**

Year	HIV/AIDS <sup>2</sup>	HIV CD4 >500	HIV CD4 <500	AIDS	Total deaths <sup>3</sup>
1981	2	2	0	0	0
1982	7	7	0	0	0
1983	23	22	1	0	0
1984	60	57	2	1	0
1985	121	112	8	1	0
1986	201	180	18	3	1
1987	284	241	36	7	3
1988	355	281	63	12	7
1989	409	293	97	18	13
1990	445	284	135	26	21
1991	466	260	171	34	33
1992	474	229	202	43	49
1993	471	195	225	50	68
1994	465	168	240	57	91
1995	456	147	247	61	116
1996	452	133	256	64	137
1997	449	123	262	65	157
1998	449	116	267	66	176
1999	450	112	272	66	193
2000	453	109	279	65	208
2001	433	84	285	63	223
2002	413	62	289	62	238
2003	394	43	290	61	253
2004	375	29	286	59	267
2005	356	19	279	58	281
2006	338	12	269	56	295
2007	320	8	258	55	308
2008	303	5	245	53	321
2009	286	3	232	51	334
2010	271	2	220	49	346
2011	255	1	208	46	357
2012	241	1	196	44	368
2013	227	0	184	42	379
2014	213	0	173	40	389
2015	201	0	163	38	399
2016	189	0	153	35	408

Year	HIV/AIDS <sup>2</sup>	HIV CD4 >500	HIV CD4 <500	AIDS	Total deaths <sup>3</sup>
2017	177	0	144	33	417
2018	166	0	135	31	425
2019	156	0	126	29	432
2020	146	0	118	28	439
2021	137	0	111	26	446
2022	128	0	104	24	452
2023	120	0	97	23	458
2024	112	0	90	21	464
2025	104	0	84	20	469
2026	97	0	78	19	474
2027	90	0	73	17	479
2028	84	0	67	16	483
2029	77	0	62	15	487
2030	72	0	58	14	490
2031	66	0	53	13	494
2032	61	0	49	12	497
2033	56	0	45	11	500
2034	51	0	41	10	503
2035	47	0	38	9	505
2036	43	0	34	9	507
2037	39	0	31	8	510
2038	35	0	28	7	511
2039	32	0	25	7	513
2040	28	0	22	6	515
2041	25	0	20	5	516
2042	23	0	18	5	518
2043	20	0	16	4	519
2044	18	0	14	4	520
2045	15	0	12	3	521
2046	13	0	10	3	522
2047	11	0	9	3	523
2048	10	0	7	2	523
2049	8	0	6	2	524
2050	7	0	5	2	524
2051	6	0	4	1	525
2052	5	0	4	1	525
2053	4	0	3	1	526

Year	HIV/AIDS <sup>2</sup>	HIV CD4 >500	HIV CD4 <500	AIDS	Total deaths <sup>3</sup>
2054	3	0	2	1	526
2055	3	0	2	1	526
2056	2	0	1	1	526
2057	2	0	1	0	526
2058	1	0	1	0	527
2059	1	0	1	0	527
2060	1	0	0	0	527
2061	0	0	0	0	527
2062	0	0	0	0	527
2063	0	0	0	0	527
2064	0	0	0	0	527
2065	0	0	0	0	527
2066	0	0	0	0	527
2067	0	0	0	0	527
2068	0	0	0	0	527
2069	0	0	0	0	527
2070	0	0	0	0	527

1. NSP introduction in 1988

2. HIV/AIDS=number of people living with either HIV (CD4>500+CD4<500) or AIDS

3. Total deaths=cumulative deaths

**Table 3.4.2 Estimated number of people living with HIV/AIDS and deaths without NSP introduction**

Year	HIV/AIDS1	HIV CD4 >500	HIV CD4 <500	AIDS	Total deaths2
1981	2	2	0	0	0
1982	7	7	0	0	0
1983	23	22	1	0	0
1984	60	57	2	1	0
1985	121	112	8	1	0
1986	201	180	18	3	1
1987	284	241	36	7	3
1988	414	339	63	12	7
1989	592	471	101	19	13
1990	845	663	153	30	22
1991	1208	940	223	44	36
1992	1724	1339	321	65	58
1993	2459	1906	458	94	89
1994	3498	2709	654	135	134
1995	4959	3835	932	192	199
1996	7026	5398	1371	256	269
1997	9894	7542	2010	343	354
1998	13825	10434	2933	458	456
1999	19123	14262	4255	606	575
2000	26126	19206	6130	790	711
2001	25619	15935	8675	1009	885
2002	25063	12353	11430	1280	1104
2003	24450	8971	13897	1582	1376
2004	23774	6150	15732	1893	1706
2005	23040	4056	16796	2188	2101
2006	22245	2644	17153	2448	2561
2007	21397	1712	17028	2657	3080
2008	20513	1101	16615	2798	3650
2009	19602	703	16021	2878	4258
2010	18679	447	15335	2898	4894
2011	17757	282	14605	2870	5546
2012	16841	177	13858	2806	6202
2013	15942	110	13116	2716	6853
2014	15068	69	12391	2609	7492
2015	14224	43	11691	2490	8111
2016	13413	26	11021	2366	8707

Year	HIV/AIDS1	HIV CD4 >500	HIV CD4 <500	AIDS	Total deaths2
2017	12639	16	10382	2241	9277
2018	11903	10	9776	2118	9818
2019	11202	6	9198	1998	10331
2020	10538	4	8651	1883	10816
2021	9907	2	8132	1773	11274
2022	9310	1	7641	1668	11705
2023	8745	1	7176	1568	12111
2024	8209	0	6735	1474	12493
2025	7702	0	6317	1385	12853
2026	7220	0	5920	1300	13190
2027	6764	0	5544	1219	13507
2028	6330	0	5187	1143	13805
2029	5919	0	4848	1071	14084
2030	5528	0	4525	1002	14346
2031	5157	0	4219	937	14591
2032	4805	0	3929	876	14821
2033	4471	0	3654	817	15036
2034	4153	0	3392	761	15236
2035	3852	0	3144	709	15423
2036	3566	0	2908	658	15597
2037	3294	0	2684	611	15759
2038	3037	0	2471	566	15910
2039	2793	0	2270	523	16050
2040	2561	0	2079	482	16179
2041	2342	0	1898	444	16298
2042	2134	0	1727	407	16409
2043	1938	0	1566	372	16510
2044	1753	0	1414	339	16603
2045	1578	0	1270	308	16688
2046	1414	0	1135	279	16766
2047	1261	0	1010	252	16836
2048	1118	0	892	226	16900
2049	985	0	783	202	16957
2050	861	0	682	179	17009
2051	747	0	589	158	17055
2052	643	0	504	138	17096
2053	548	0	427	120	17132

Year	HIV/AIDS1	HIV CD4 >500	HIV CD4 <500	AIDS	Total deaths2
2054	462	0	358	104	17164
2055	386	0	297	89	17192
2056	318	0	243	75	17216
2057	259	0	196	63	17236
2058	208	0	156	52	17254
2059	164	0	122	43	17268
2060	128	0	94	34	17281
2061	98	0	71	27	17291
2062	74	0	53	21	17299
2063	55	0	39	16	17306
2064	40	0	28	12	17311
2065	28	0	20	8	17315
2066	19	0	13	6	17319
2067	12	0	9	4	17321
2068	7	0	5	2	17323
2069	3	0	2	1	17324
2070	0	0	0	0	17325

1. HIV/AIDS=number of people living with either HIV (CD4>500+CD4<500) or AIDS
2. Total deaths=cumulative deaths

**Table 3.4.3 Estimated number of HIV/AIDS cases and deaths prevented through NSP introduction<sup>1</sup>**

Year	HIV/AIDS <sup>2</sup>	HIV CD4>500	HIV CD4<500	AIDS	Total deaths <sup>3</sup>
1981	0	0	0	0	0
1982	0	0	0	0	0
1983	0	0	0	0	0
1984	0	0	0	0	0
1985	0	0	0	0	0
1986	0	0	0	0	0
1987	0	0	0	0	0
1988	59	59	0	0	0
1989	183	178	4	1	0
1990	401	379	18	4	1
1991	742	680	52	10	3
1992	1250	1109	118	23	9
1993	1988	1711	233	44	21
1994	3033	2541	414	78	44
1995	4503	3688	685	131	83
1996	6573	5266	1115	192	132
1997	9445	7419	1748	278	196
1998	13376	10318	2666	393	280
1999	18674	14150	3983	540	382
2000	25673	19096	5851	725	503
2001	25186	15851	8390	946	662
2002	24650	12291	11141	1219	866
2003	24056	8927	13608	1521	1124
2004	23400	6120	15446	1834	1439
2005	22684	4037	16517	2130	1820
2006	21908	2631	16884	2392	2266
2007	21077	1704	16771	2602	2772
2008	20211	1095	16370	2746	3329
2009	19316	700	15788	2828	3925
2010	18409	445	15115	2849	4549
2011	17502	281	14397	2824	5189
2012	16600	176	13662	2762	5834
2013	15715	110	12932	2674	6474
2014	14854	68	12217	2569	7103
2015	14023	43	11528	2453	7712
2016	13225	26	10868	2331	8299



Year	HIV/AIDS <sup>2</sup>	HIV CD4>500	HIV CD4<500	AIDS	Total deaths <sup>3</sup>
2017	12462	16	10238	2208	8860
2018	11737	10	9641	2086	9394
2019	11046	6	9072	1968	9899
2020	10391	4	8532	1855	10377
2021	9770	2	8021	1747	10828
2022	9182	1	7537	1644	11253
2023	8625	1	7079	1546	11653
2024	8097	0	6645	1453	12029
2025	7597	0	6233	1365	12383
2026	7123	0	5842	1281	12716
2027	6674	0	5472	1202	13029
2028	6247	0	5120	1127	13322
2029	5841	0	4785	1056	13598
2030	5456	0	4468	988	13856
2031	5091	0	4166	924	14098
2032	4744	0	3880	864	14324
2033	4415	0	3609	806	14536
2034	4102	0	3351	751	14733
2035	3805	0	3106	699	14918
2036	3524	0	2874	650	15090
2037	3256	0	2653	603	15250
2038	3001	0	2443	558	15398
2039	2761	0	2245	516	15536
2040	2533	0	2057	476	15664
2041	2316	0	1878	438	15782
2042	2112	0	1710	402	15891
2043	1918	0	1550	368	15991
2044	1735	0	1400	336	16083
2045	1563	0	1258	305	16167
2046	1401	0	1125	276	16244
2047	1250	0	1001	249	16314
2048	1108	0	885	224	16377
2049	976	0	777	200	16434
2050	854	0	677	178	16485
2051	741	0	585	157	16530
2052	638	0	501	137	16571
2053	544	0	424	119	16607

Year	HIV/AIDS <sup>2</sup>	HIV CD4>500	HIV CD4<500	AIDS	Total deaths <sup>3</sup>
2054	459	0	356	103	16638
2055	383	0	295	88	16666
2056	316	0	241	75	16690
2057	257	0	195	63	16710
2058	207	0	155	52	16727
2059	163	0	121	42	16742
2060	127	0	93	34	16754
2061	97	0	70	27	16764
2062	73	0	52	21	16772
2063	55	0	39	16	16779
2064	40	0	28	12	16784
2065	28	0	20	8	16788
2066	19	0	13	6	16792
2067	13	0	9	4	16794
2068	8	0	6	2	16796
2069	3	0	2	1	16798
2070	0	0	0	0	16799

1. NSP introduction in 1988
2. HIV/AIDS=number of people living with either HIV (CD4>500+CD4<500) or AIDS
3. Total deaths=cumulative deaths

**Table 3.4.5 Estimated number of HIV/AIDS cases prevented through NSP introduction<sup>1</sup> by disease stage and diagnosis category<sup>2</sup>**

Year	HIV/AIDS <sup>3</sup>	CD4 >500 (diagnosed)	CD4 >500 (undiagnosed)	CD4 <500 (diagnosed)	CD4 <500 (undiagnosed)	AIDS
1981	0	0	0	0	0	0
1982	0	0	0	0	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985	0	0	0	0	0	0
1986	0	0	0	0	0	0
1987	0	0	0	0	0	0
1988	59	47	12	0	0	0
1989	183	142	36	4	0	1
1990	401	303	76	16	2	4
1991	742	544	136	47	5	10
1992	1250	887	222	107	12	23
1993	1988	1369	342	210	23	44
1994	3033	2033	508	373	41	78
1995	4503	2950	738	616	68	131
1996	6573	4213	1053	1004	112	192
1997	9445	5935	1484	1573	175	278
1998	13376	8255	2064	2399	267	393
1999	18674	11320	2830	3585	398	540
2000	25673	15277	3819	5266	585	725
2001	25186	12681	3170	7551	839	946
2002	24650	9833	2458	10027	1114	1219
2003	24056	7142	1785	12247	1361	1521
2004	23400	4896	1224	13901	1545	1834
2005	22684	3230	807	14865	1652	2130
2006	21908	2105	526	15196	1688	2392
2007	21077	1363	341	15094	1677	2602
2008	20211	876	219	14733	1637	2746
2009	19316	560	140	14210	1579	2828
2010	18409	356	89	13603	1511	2849
2011	17502	225	56	12958	1440	2824
2012	16600	141	35	12296	1366	2762
2013	15715	88	22	11638	1293	2674
2014	14854	55	14	10996	1222	2569
2015	14023	34	9	10375	1153	2453

Year	HIV/AIDS <sup>3</sup>	CD4 >500 (diagnosed)	CD4 >500 (undiagnosed)	CD4 <500 (diagnosed)	CD4 <500 (undiagnosed)	AIDS
2016	13225	21	5	9781	1087	2331
2017	12462	13	3	9214	1024	2208
2018	11737	8	2	8677	964	2086
2019	11046	5	1	8165	907	1968
2020	10391	3	1	7679	853	1855
2021	9770	2	0	7219	802	1747
2022	9182	1	0	6784	754	1644
2023	8625	1	0	6371	708	1546
2024	8097	0	0	5980	664	1453
2025	7597	0	0	5610	623	1365
2026	7123	0	0	5258	584	1281
2027	6674	0	0	4925	547	1202
2028	6247	0	0	4608	512	1127
2029	5841	0	0	4307	479	1056
2030	5456	0	0	4021	447	988
2031	5091	0	0	3750	417	924
2032	4744	0	0	3492	388	864
2033	4415	0	0	3248	361	806
2034	4102	0	0	3016	335	751
2035	3805	0	0	2796	311	699
2036	3524	0	0	2587	287	650
2037	3256	0	0	2388	265	603
2038	3001	0	0	2199	244	558
2039	2761	0	0	2021	225	516
2040	2533	0	0	1851	206	476
2041	2316	0	0	1690	188	438
2042	2112	0	0	1539	171	402
2043	1918	0	0	1395	155	368
2044	1735	0	0	1260	140	336
2045	1563	0	0	1132	126	305
2046	1401	0	0	1013	113	276
2047	1250	0	0	901	100	249
2048	1108	0	0	796	88	224
2049	976	0	0	699	78	200
2050	854	0	0	609	68	178
2051	741	0	0	526	58	157
2052	638	0	0	451	50	137

Year	HIV/AIDS <sup>3</sup>	CD4 >500 (diagnosed)	CD4 >500 (undiagnosed)	CD4 <500 (diagnosed)	CD4 <500 (undiagnosed)	AIDS
2053	544	0	0	382	42	119
2054	459	0	0	320	36	103
2055	383	0	0	265	29	88
2056	316	0	0	217	24	75
2057	257	0	0	175	19	63
2058	207	0	0	139	15	52
2059	163	0	0	109	12	42
2060	127	0	0	84	9	34
2061	98	0	0	63	7	27
2062	74	0	0	47	5	21
2063	54	0	0	35	4	16
2064	40	0	0	25	3	12
2065	28	0	0	18	2	8
2066	19	0	0	12	1	6
2067	12	0	0	8	1	4
2068	7	0	0	5	1	2
2069	3	0	0	2	0	1
2070	0	0	0	0	0	0

1. NSP introduction in 1988
2. Proportions diagnosed are 80% for CD4>500, 90% for CD4<500, and 100% for AIDS.
3. HIV/AIDS=number of people living with either HIV (CD4>500+CD4<500) or AIDS

Table 3.5.1 Estimates of people living with HCV by disease stage and HCV-related deaths with NSPs

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
1961	917	688	674	14	0	0	0	0	0	0
1962	2123	1592	1547	45	0	0	0	1	1	0
1963	3578	2683	2586	96	1	0	0	2	2	1
1964	5251	3938	3765	169	3	0	0	4	3	1
1965	7117	5338	5064	266	7	0	0	6	5	2
1966	9157	6868	6466	389	13	0	1	9	7	2
1967	11355	8516	7958	537	22	0	1	13	10	3
1968	13697	10273	9528	711	34	0	1	18	13	4
1969	16174	12131	11168	913	49	0	2	23	17	6
1970	18778	14083	12872	1142	69	1	3	30	22	7
1971	21434	16076	14584	1398	94	1	3	37	28	9
1972	24166	18125	16321	1679	124	1	4	45	34	11
1973	26997	20248	18100	1987	161	2	6	55	41	14
1974	29949	22462	19938	2321	203	2	7	65	49	16
1975	35723	26792	23818	2721	253	2	9	78	59	20
1976	38952	29214	25757	3148	310	3	11	93	70	23
1977	42373	31780	27803	3602	375	4	13	111	83	28
1978	46021	34516	29980	4087	448	4	16	130	98	33
1979	49918	37439	32302	4605	532	5	19	152	114	38
1980	54085	40564	34781	5157	626	6	22	175	131	44
1981	58545	43909	37432	5747	730	7	25	201	151	50
1982	63324	47493	40269	6377	847	8	29	229	172	57
1983	68445	51334	43307	7050	977	10	34	260	195	65

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
1984	73882	55412	46524	7768	1120	11	39	293	220	73
1985	79301	59476	49670	8529	1277	13	44	328	246	82
1986	84716	63537	52757	9330	1451	14	50	366	275	92
1987	90126	67594	55787	10167	1640	16	57	406	305	102
1988	95579	71684	58796	11041	1846	18	64	449	337	112
1989	101056	75792	61773	11949	2070	20	71	495	371	124
1990	106596	79947	64746	12889	2313	23	79	543	407	136
1991	112730	84548	68101	13873	2573	25	88	594	445	148
1992	119459	89594	71837	14904	2854	28	98	648	486	162
1993	126815	95111	75970	15986	3154	31	108	706	530	177
1994	134836	101127	80522	17129	3476	34	119	769	576	192
1995	143566	107674	85517	18337	3820	38	130	835	626	209
1996	153049	114787	90979	19620	4188	41	143	907	680	227
1997	163338	122504	96940	20983	4580	45	156	983	738	246
1998	174493	130870	103435	22436	4999	49	170	1066	799	266
1999	186573	139930	110498	23986	5445	54	185	1155	866	289
2000	199649	149737	118172	25644	5922	58	201	1251	938	313
2001	197976	148482	114874	27179	6429	63	218	1349	1012	337
2002	196338	147254	111691	28599	6964	68	236	1450	1088	363
2003	194737	146053	108619	29909	7524	74	255	1555	1166	389
2004	193162	144871	105651	31115	8105	80	274	1665	1249	416
2005	191611	143708	102782	32222	8704	86	294	1779	1334	445
2006	190084	142563	100010	33235	9318	92	315	1900	1425	475
2007	188586	141440	97335	34160	9944	98	335	2027	1520	507

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
2008	187112	140334	94753	35000	10580	104	356	2162	1622	541
2009	185657	139243	92258	35761	11223	110	377	2305	1729	576
2010	184234	138175	89857	36448	11870	117	399	2457	1843	614
2011	182834	137126	87542	37064	12520	123	420	2618	1964	655
2012	181453	136090	85309	37612	13169	129	441	2790	2093	698
2013	180104	135078	83164	38099	13815	136	462	2974	2231	744
2014	178778	134083	81101	38526	14456	142	483	3170	2378	793
2015	177480	133110	79121	38899	15090	148	504	3379	2534	845
2016	176216	132162	77225	39221	15715	154	524	3602	2702	901
2017	174841	131131	75336	39470	16324	160	544	3845	2884	961
2018	173353	130015	73454	39646	16914	166	563	4109	3082	1027
2019	171753	128815	71580	39753	17482	172	581	4396	3297	1099
2020	170028	127521	69710	39788	18023	177	598	4707	3530	1177
2021	168171	126128	67841	39751	18536	182	615	5045	3783	1261
2022	166182	124637	65974	39645	19017	187	630	5409	4057	1352
2023	164057	123043	64109	39470	19463	191	644	5803	4352	1451
2024	161786	121339	62243	39224	19872	195	657	6228	4655	1572
2025	159370	119528	60375	38911	20241	199	668	6683	4963	1720
2026	156804	117603	58506	38529	20568	202	678	7171	5276	1895
2027	154094	115571	56638	38083	20850	205	687	7692	5594	2098
2028	151236	113427	54768	37572	21087	207	694	8246	5915	2331
2029	148229	111172	52897	36998	21276	209	699	8834	6239	2595
2030	145079	108809	51028	36364	21417	210	703	9455	6565	2889
2031	141783	106337	49159	35670	21508	211	705	10109	6893	3217



Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
2032	138349	103762	47293	34921	21548	211	706	10797	7221	3576
2033	134776	101082	45429	34116	21537	211	704	11518	7549	3969
2034	131069	98302	43569	33259	21474	211	701	12271	7876	4395
2035	127234	95426	41714	32353	21358	209	697	13057	8201	4856
2036	123274	92455	39868	31400	21187	208	690	13876	8524	5353
2037	119200	89400	38031	30405	20964	205	682	14727	8843	5884
2038	115016	86262	36206	29370	20687	203	672	15608	9158	6449
2039	110735	83051	34395	28299	20358	199	661	16517	9468	7049
2040	106361	79771	32600	27195	19976	196	647	17456	9772	7683
2041	101902	76426	30822	26062	19542	191	632	18422	10070	8352
2042	97365	73024	29064	24903	19056	187	615	19415	10360	9055
2043	92765	69574	27330	23723	18521	181	597	20432	10642	9790
2044	88124	66093	25625	22528	17939	176	577	21471	10915	10555
2045	83434	62576	23947	21319	17310	170	556	22531	11179	11352
2046	78714	59036	22299	20099	16637	163	533	23610	11432	12177
2047	73984	55488	20688	18876	15924	156	509	24703	11675	13028
2048	69251	51938	19114	17650	15173	149	484	25808	11906	13902
2049	64538	48404	17583	16431	14389	141	458	26921	12125	14796
2050	59827	44871	16091	15204	13575	133	430	28039	12332	15707
2051	55203	41402	14655	14010	12737	125	403	29156	12526	16631
2052	50653	37990	13273	12836	11881	116	374	30268	12707	17561
2053	46191	34643	11947	11685	11011	108	346	31369	12874	18495
2054	41835	31376	10679	10564	10133	99	317	32456	13029	19427
2055	37609	28207	9475	9477	9254	90	288	33522	13170	20353

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
2056	33539	25154	8339	8433	8382	82	259	34561	13297	21264
2057	29649	22237	7276	7438	7524	74	231	35565	13412	22153
2058	25957	19468	6286	6495	6687	65	204	36529	13514	23015
2059	22487	16865	5374	5612	5880	57	178	37446	13603	23843
2060	19265	14449	4543	4794	5112	50	154	38307	13681	24626
2061	16307	12230	3794	4046	4390	43	131	39107	13748	25360
2062	13621	10215	3127	3369	3720	36	110	39843	13804	26039
2063	11216	8412	2540	2765	3107	30	91	40509	13852	26658
2064	9101	6826	2034	2236	2556	25	74	41103	13891	27212
2065	7264	5448	1601	1778	2068	20	59	41625	13922	27703
2066	5699	4274	1239	1390	1645	16	46	42075	13947	28128
2067	4393	3295	943	1068	1284	12	35	42456	13967	28489
2068	3316	2487	702	803	982	10	26	42774	13982	28792
2069	2451	1838	513	591	734	7	19	43033	13993	29040
2070	1759	1319	363	423	533	5	13	43242	14001	29241
2071	1205	904	246	289	369	4	9	43411	14007	29405
2072	776	582	157	185	240	2	5	43544	14010	29533
2073	447	335	89	106	140	1	3	43646	14012	29634
2074	197	147	39	47	62	1	0	43725	14013	29712
2075	0	0	0	0	0	0	0	43787	14013	29773

Note: Deaths are cumulative following cirrhosis

Table 3 5.2 Estimates of people living with HCV by disease stage and HCV-related deaths without NSP introduction

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
1961	917	688	674	14	0	0	0	0	0	0
1962	2123	1592	1547	45	0	0	0	1	1	0
1963	3578	2683	2586	96	1	0	0	2	2	1
1964	5251	3938	3765	169	3	0	0	4	3	1
1965	7117	5338	5064	266	7	0	0	6	5	2
1966	9157	6868	6466	389	13	0	1	9	7	2
1967	11355	8516	7958	537	22	0	1	13	10	3
1968	13697	10273	9528	711	34	0	1	18	13	4
1969	16174	12131	11168	913	49	0	2	23	17	6
1970	18778	14083	12872	1142	69	1	3	30	22	7
1971	21434	16076	14584	1398	94	1	3	37	28	9
1972	24166	18125	16321	1679	124	1	4	45	34	11
1973	26997	20248	18100	1987	161	2	6	55	41	14
1974	29949	22462	19938	2321	203	2	7	65	49	16
1975	35723	26792	23818	2721	253	2	9	78	59	20
1976	38952	29214	25757	3148	310	3	11	93	70	23
1977	42373	31780	27803	3602	375	4	13	111	83	28
1978	46021	34516	29980	4087	448	4	16	130	98	33
1979	49918	37439	32302	4605	532	5	19	152	114	38
1980	54085	40564	34781	5157	626	6	22	175	131	44
1981	58545	43909	37432	5747	730	7	25	201	151	50
1982	63324	47493	40269	6377	847	8	29	229	172	57
1983	68445	51334	43307	7050	977	10	34	260	195	65

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
1984	73882	55412	46524	7768	1120	11	39	293	220	73
1985	79301	59476	49670	8529	1277	13	44	328	246	82
1986	84716	63537	52757	9330	1451	14	50	366	275	92
1987	90126	67594	55787	10167	1640	16	57	406	305	102
1988	96588	72441	59538	11056	1846	18	64	450	337	112
1989	103463	77597	63527	11999	2071	20	71	496	372	124
1990	110395	82796	67489	12993	2314	23	79	545	409	136
1991	117933	88449	71822	14050	2577	25	88	598	448	150
1992	126094	94571	76539	15170	2862	28	98	655	491	164
1993	134927	101196	81668	16359	3168	31	108	716	536	179
1994	144484	108363	87240	17625	3498	34	119	781	585	196
1995	154819	116115	93288	18974	3853	38	131	851	638	213
1996	165994	124496	99847	20414	4235	42	144	927	695	232
1997	178073	133555	106958	21952	4644	46	158	1009	756	253
1998	191127	143345	114663	23598	5084	50	173	1097	822	275
1999	205232	153924	123007	25361	5556	55	189	1193	894	299
2000	220470	165352	132040	27251	6061	60	206	1296	972	324
2001	218567	163926	128321	29001	6603	65	224	1402	1051	351
2002	216703	162527	124730	30620	7177	71	244	1510	1132	378
2003	214876	161157	121263	32114	7779	76	264	1623	1217	406
2004	213086	159814	117917	33491	8406	83	285	1740	1305	435
2005	211333	158499	114687	34757	9055	89	306	1863	1396	466
2006	209616	157212	111571	35918	9723	96	329	1991	1493	498
2007	207944	155958	108571	36981	10405	102	351	2125	1594	532

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
2008	206308	154731	105680	37951	11100	109	374	2268	1700	567
2009	204704	153528	102890	38833	11805	116	397	2418	1813	605
2010	203147	152360	100211	39633	12517	123	421	2577	1932	645
2011	201628	151221	97633	40356	13232	130	444	2745	2058	687
2012	200141	150106	95151	41005	13950	137	468	2924	2193	731
2013	198702	149026	92773	41586	14667	144	491	3115	2335	779
2014	197301	147975	90490	42104	15381	151	515	3317	2487	830
2015	195945	146958	88305	42563	16090	158	538	3532	2649	883
2016	194640	145980	86220	42968	16793	165	561	3761	2821	941
2017	193220	144915	84143	43292	17480	172	583	4010	3007	1003
2018	191683	143762	82076	43538	18148	178	604	4281	3210	1071
2019	190028	142521	80019	43708	18795	184	625	4575	3431	1144
2020	188244	141183	77968	43799	19416	191	645	4894	3670	1224
2021	186323	139742	75920	43813	20009	196	664	5239	3929	1310
2022	184263	138197	73876	43751	20570	202	682	5613	4210	1404
2023	182059	136544	71835	43613	21096	207	699	6017	4513	1505
2024	179700	134775	69793	43399	21584	212	714	6453	4839	1614
2025	177189	132892	67751	43110	22031	216	728	6921	5175	1746
2026	174517	130888	65707	42746	22434	220	740	7423	5516	1907
2027	171690	128768	63665	42312	22791	224	751	7960	5864	2096
2028	168704	126528	61621	41807	23100	227	761	8531	6215	2316
2029	165556	124167	59576	41231	23360	229	768	9139	6571	2568
2030	162251	121688	57532	40589	23568	231	774	9782	6930	2852
2031	158785	119089	55487	39879	23723	233	779	10462	7291	3171

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
2032	155164	116373	53443	39107	23824	234	781	11178	7654	3524
2033	151387	113540	51399	38272	23869	234	782	11930	8017	3913
2034	147456	110592	49358	37378	23856	234	780	12719	8381	4338
2035	143378	107534	47320	36426	23787	233	777	13544	8743	4801
2036	139153	104365	45288	35420	23656	232	772	14407	9103	5304
2037	134792	101094	43264	34364	23466	230	765	15306	9461	5846
2038	130298	97724	41249	33259	23216	228	755	16241	9814	6427
2039	125681	94261	39245	32110	22905	224	744	17211	10163	7048
2040	120947	90710	37255	30920	22534	221	731	18215	10506	7709
2041	116099	87074	35280	29692	22102	217	716	19254	10843	8411
2042	111147	83360	33321	28430	21609	212	699	20327	11172	9155
2043	106103	79578	31383	27138	21057	206	680	21431	11492	9938
2044	100991	75743	29472	25823	20448	200	659	22564	11804	10760
2045	95802	71851	27585	24486	19780	194	636	23727	12105	11622
2046	90554	67915	25728	23129	19058	187	612	24916	12395	12521
2047	85269	63952	23905	21761	18285	179	585	26127	12674	13454
2048	79955	59966	22119	20385	17463	171	558	27359	12940	14420
2049	74640	55980	20375	19008	16596	162	529	28606	13192	15414
2050	69306	51979	18671	17619	15689	154	498	29866	13431	16434
2051	64041	48031	17024	16258	14748	144	467	31131	13656	17475
2052	58840	44130	15435	14914	13780	135	435	32396	13866	18530
2053	53720	40290	13906	13593	12791	125	402	33655	14061	19594
2054	48703	36527	12441	12300	11786	115	369	34903	14240	20663
2055	43820	32865	11046	11044	10776	105	335	36131	14404	21727

Year	Total living with HCV	Total chronic	Total 0/1	Total 2/3	Total cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths	Other deaths
2056	39106	29329	9727	9834	9769	95	302	37332	14553	22779
2057	34590	25943	8490	8678	8775	86	270	38495	14687	23809
2058	30298	22724	7337	7582	7805	76	239	39615	14805	24810
2059	26259	19694	6275	6553	6866	67	208	40681	14910	25771
2060	22505	16879	5306	5600	5972	58	180	41684	15001	26683
2061	19056	14292	4433	4728	5131	50	153	42617	15079	27538
2062	15922	11942	3654	3938	4350	42	128	43475	15145	28329
2063	13107	9831	2968	3231	3632	35	106	44255	15201	29055
2064	10628	7971	2374	2611	2986	29	86	44951	15246	29705
2065	8478	6358	1868	2075	2415	24	68	45563	15283	30280
2066	6647	4986	1445	1621	1919	19	53	46090	15312	30778
2067	5121	3841	1099	1244	1497	15	41	46535	15335	31200
2068	3864	2898	818	935	1144	11	31	46906	15352	31554
2069	2854	2140	597	688	855	8	22	47208	15365	31843
2070	2048	1536	423	492	621	6	16	47452	15375	32077
2071	1402	1051	286	336	430	4	10	47649	15381	32268
2072	903	677	182	215	279	3	6	47804	15386	32418
2073	519	389	104	123	162	2	3	47923	15388	32535
2074	228	171	45	54	72	1	0	48014	15389	32625
2075	0	0	0	0	0	0	0	48086	15389	32697

Note: Deaths are cumulative following cirrhosis

Table 3.5.3 Number of HCV infections and HCV-related deaths prevented through introduction of NSP

Year	Living with HCV	Chronic	Stage 0/1	Stage 2/3	Cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths
1961	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0
1988	1009	757	742	15	0	0	0	0	0
1989	2407	1805	1754	50	0	0	0	1	1
1990	3798	2849	2743	105	1	0	0	2	2
1991	5202	3902	3721	177	4	0	0	4	3
1992	6635	4977	4703	266	8	0	0	6	4
1993	8112	6084	5698	373	14	0	1	9	6
1994	9647	7235	6718	496	22	0	1	12	9
1995	11254	8440	7771	636	33	0	1	16	12



Year	Living with HCV	Chronic	Stage 0/1	Stage 2/3	Cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths
1996	12945	9709	8868	794	47	0	2	20	15
1997	14734	11051	10018	969	64	1	2	26	19
1998	16634	12476	11228	1162	85	1	3	31	23
1999	18659	13994	12509	1375	110	1	4	38	28
2000	20820	15615	13868	1607	140	1	5	45	33
2001	20592	15444	13447	1823	174	2	6	53	39
2002	20364	15273	13039	2022	213	2	8	60	45
2003	20139	15104	12644	2205	255	3	9	68	50
2004	19924	14943	12266	2376	301	3	11	76	56
2005	19721	14791	11905	2535	351	3	12	83	62
2006	19532	14649	11562	2683	405	4	14	91	68
2007	19358	14518	11236	2822	461	5	16	98	73
2008	19196	14397	10926	2951	520	5	18	106	79
2009	19047	14285	10632	3072	582	6	20	113	84
2010	18913	14185	10354	3185	646	6	22	120	90
2011	18794	14095	10091	3292	713	7	24	127	95
2012	18688	14016	9842	3392	781	8	27	134	100
2013	18598	13948	9609	3487	852	8	29	140	105
2014	18523	13892	9389	3578	925	9	31	147	110
2015	18465	13848	9185	3664	1000	10	34	153	114
2016	18424	13818	8994	3746	1077	11	36	159	119
2017	18379	13784	8807	3822	1155	11	39	165	123
2018	18329	13747	8622	3892	1234	12	42	172	128
2019	18276	13707	8439	3955	1313	13	44	179	134
2020	18217	13662	8258	4011	1393	14	47	186	139
2021	18152	13614	8079	4061	1473	14	49	195	146
2022	18080	13560	7902	4105	1553	15	52	204	153
2023	18002	13501	7726	4143	1633	16	55	214	160
2024	17915	13436	7550	4174	1712	17	57	225	184
2025	17819	13364	7376	4199	1789	18	60	238	212
2026	17712	13284	7201	4217	1866	18	62	252	240
2027	17596	13197	7027	4229	1941	19	65	268	270
2028	17468	13101	6853	4234	2013	20	67	286	300
2029	17327	12995	6679	4233	2084	20	69	305	332
2030	17172	12879	6504	4225	2151	21	71	328	365
2031	17002	12751	6327	4209	2215	22	74	353	398
2032	16815	12611	6150	4186	2275	22	75	381	433

Year	Living with HCV	Chronic	Stage 0/1	Stage 2/3	Cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths
2033	16611	12458	5970	4156	2331	23	77	412	469
2034	16387	12291	5789	4119	2383	23	79	447	505
2035	16144	12108	5606	4073	2428	24	80	487	542
2036	15879	11909	5421	4020	2468	24	81	531	579
2037	15592	11694	5233	3959	2502	25	82	579	618
2038	15282	11461	5044	3889	2529	25	83	634	656
2039	14946	11210	4851	3811	2548	25	84	693	695
2040	14585	10939	4656	3725	2558	25	84	759	734
2041	14197	10648	4457	3630	2560	25	84	832	773
2042	13782	10336	4256	3527	2553	25	83	912	812
2043	13338	10004	4053	3415	2536	25	83	999	850
2044	12867	9651	3847	3295	2509	25	82	1093	888
2045	12367	9275	3639	3166	2470	24	80	1196	926
2046	11839	8880	3429	3030	2421	24	78	1306	963
2047	11285	8464	3217	2886	2361	23	76	1425	999
2048	10705	8028	3004	2735	2289	22	74	1551	1034
2049	10102	7576	2792	2578	2207	22	71	1685	1067
2050	9478	7109	2580	2415	2114	21	68	1827	1100
2051	8838	6629	2369	2248	2011	20	64	1975	1130
2052	8187	6140	2162	2079	1899	19	60	2128	1159
2053	7529	5646	1959	1908	1779	17	56	2286	1186
2054	6868	5151	1761	1736	1653	16	52	2447	1211
2055	6211	4659	1570	1567	1521	15	48	2609	1235
2056	5567	4175	1387	1401	1387	14	43	2771	1256
2057	4941	3706	1214	1240	1252	12	39	2931	1275
2058	4341	3256	1052	1087	1118	11	34	3086	1292
2059	3772	2829	901	941	987	10	30	3235	1307
2060	3240	2430	763	806	861	8	26	3377	1320
2061	2749	2062	638	682	742	7	22	3509	1331
2062	2302	1726	527	569	630	6	19	3632	1341
2063	1891	1418	427	466	525	5	15	3746	1349
2064	1528	1146	341	375	430	4	12	3848	1355
2065	1214	910	267	297	346	3	10	3938	1361
2066	948	711	206	231	274	3	8	4014	1365
2067	728	546	156	177	213	2	6	4079	1368
2068	548	411	116	133	162	2	4	4132	1370
2069	403	302	84	97	121	1	3	4175	1372

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Year	Living with HCV	Chronic	Stage 0/1	Stage 2/3	Cirrhosis	HCC incidence	Liver failure incidence	Total deaths	HCV deaths
2070	288	216	60	69	87	1	2	4210	1374
2071	197	148	40	47	60	1	1	4238	1375
2072	126	95	26	30	39	0	1	4260	1375
2073	73	54	14	17	23	0	0	4277	1376
2074	32	24	6	8	10	0	0	4289	1376
2075	0	0	0	0	0	0	0	4299	1376

Note: Deaths are cumulative following cirrhosis

**Table 3.5.5 Number of cases of chronic HCV by disease stage and diagnosis and HCV-deaths prevented by NSPs**

Year	Chronic	Stage 0/1 diagnosed	Stage 0/1 undiagnosed	Stage 2/3 diagnosed	Stage 2/3 undiagnosed	Cirrhosis diagnosed	Cirrhosis undiagnosed	HCC	Liver failure	HCV deaths
1988	757	445	297	11	4	0	0	0	0	0
1989	1805	1053	702	38	13	0	0	0	0	1
1990	2849	1646	1097	78	26	1	0	0	0	2
1991	3902	2233	1489	132	44	3	1	0	0	3
1992	4977	2822	1881	200	67	6	2	0	0	4
1993	6084	3419	2279	279	93	11	3	0	1	6
1994	7235	4031	2687	372	124	18	4	0	1	9
1995	8440	4663	3108	477	159	26	7	0	1	12
1996	9709	5321	3547	595	198	37	9	0	2	15
1997	11051	6011	4007	727	242	51	13	1	2	19
1998	12476	6737	4491	872	291	68	17	1	3	23
1999	13994	7505	5004	1031	344	88	22	1	4	28
2000	15615	8321	5547	1205	402	112	28	1	5	33
2001	15444	8068	5379	1367	456	139	35	2	6	39
2002	15273	7823	5216	1516	505	170	43	2	8	45
2003	15104	7586	5058	1654	551	204	51	3	9	50
2004	14943	7359	4906	1782	594	241	60	3	11	56
2005	14791	7143	4762	1901	634	281	70	3	12	62
2006	14649	6937	4625	2012	671	324	81	4	14	68
2007	14518	6741	4494	2116	705	369	92	5	16	73
2008	14397	6556	4370	2213	738	416	104	5	18	79
2009	14285	6379	4253	2304	768	465	116	6	20	84
2010	14185	6212	4142	2389	796	517	129	6	22	90
2011	14095	6054	4036	2469	823	570	143	7	24	95
2012	14016	5905	3937	2544	848	625	156	8	27	100
2013	13948	5765	3843	2616	872	682	170	8	29	105
2014	13892	5634	3756	2683	894	740	185	9	31	110
2015	13848	5511	3674	2748	916	800	200	10	34	114
2016	13818	5397	3598	2810	937	862	215	11	36	119
2017	13784	5284	3523	2867	956	924	231	11	39	123
2018	13747	5173	3449	2919	973	987	247	12	42	128
2019	13707	5063	3375	2966	989	1051	263	13	44	134
2020	13662	4955	3303	3008	1003	1115	279	14	47	139
2021	13614	4847	3232	3046	1015	1179	295	14	49	146
2022	13560	4741	3161	3079	1026	1243	311	15	52	153
2023	13501	4635	3090	3107	1036	1306	327	16	55	160

Year	Chronic	Stage 0/1 diagnosed	Stage 0/1 undiagnosed	Stage2/3 diagnosed	Stage 2/3 undiagnosed	Cirrhosis diagnosed	Cirrhosis undiagnosed	HCC	Liver failure	HCV deaths
2024	13436	4530	3020	3131	1044	1369	342	17	57	184
2025	13364	4425	2950	3149	1050	1432	358	18	60	212
2026	13284	4321	2881	3163	1054	1493	373	18	62	240
2027	13197	4216	2811	3172	1057	1552	388	19	65	270
2028	13101	4112	2741	3176	1059	1611	403	20	67	300
2029	12995	4007	2671	3175	1058	1667	417	20	69	332
2030	12879	3902	2601	3168	1056	1721	430	21	71	365
2031	12751	3796	2531	3157	1052	1772	443	22	74	398
2032	12611	3690	2460	3140	1047	1820	455	22	75	433
2033	12458	3582	2388	3117	1039	1865	466	23	77	469
2034	12291	3474	2316	3089	1030	1906	477	23	79	505
2035	12108	3364	2242	3055	1018	1943	486	24	80	542
2036	11909	3253	2168	3015	1005	1975	494	24	81	579
2037	11694	3140	2093	2969	990	2002	500	25	82	618
2038	11461	3026	2017	2917	972	2023	506	25	83	656
2039	11210	2911	1940	2859	953	2038	510	25	84	695
2040	10939	2793	1862	2794	931	2047	512	25	84	734
2041	10648	2674	1783	2723	908	2048	512	25	84	773
2042	10336	2554	1703	2645	882	2042	511	25	83	812
2043	10004	2432	1621	2561	854	2029	507	25	83	850
2044	9651	2308	1539	2471	824	2007	502	25	82	888
2045	9275	2183	1456	2375	792	1976	494	24	80	926
2046	8880	2057	1371	2272	757	1937	484	24	78	963
2047	8464	1930	1287	2164	721	1889	472	23	76	999
2048	8028	1803	1202	2051	684	1832	458	22	74	1034
2049	7576	1675	1117	1933	644	1766	441	22	71	1067
2050	7109	1548	1032	1811	604	1691	423	21	68	1100
2051	6629	1422	948	1686	562	1609	402	20	64	1130
2052	6140	1297	865	1559	520	1519	380	19	60	1159
2053	5646	1176	784	1431	477	1423	356	17	56	1186
2054	5151	1057	705	1302	434	1322	331	16	52	1211
2055	4659	942	628	1175	392	1217	304	15	48	1235
2056	4175	832	555	1051	350	1110	277	14	43	1256
2057	3706	728	486	930	310	1001	250	12	39	1275
2058	3256	631	421	815	272	894	224	11	34	1292
2059	2829	541	360	706	235	789	197	10	30	1307
2060	2430	458	305	605	202	689	172	8	26	1320

Year	Chronic	Stage 0/1 diagnosed	Stage 0/1 undiagnosed	Stage2/3 diagnosed	Stage 2/3 undiagnosed	Cirrhosis diagnosed	Cirrhosis undiagnosed	HCC	Liver failure	HCV deaths
2061	2062	383	255	511	170	593	148	7	22	1331
2062	1726	316	211	427	142	504	126	6	19	1341
2063	1418	256	171	349	116	420	105	5	15	1349
2064	1146	204	136	281	94	344	86	4	12	1355
2065	910	160	107	223	74	277	69	3	10	1361
2066	711	124	82	173	58	219	55	3	8	1365
2067	546	94	62	133	44	170	43	2	6	1368
2068	411	70	46	99	33	130	32	2	4	1370
2069	302	51	34	73	24	97	24	1	3	1372
2070	216	36	24	52	17	70	17	1	2	1374
2071	148	24	16	35	12	48	12	1	1	1375
2072	95	15	10	23	8	31	8	0	1	1375
2073	54	9	6	13	4	18	5	0	0	1376
2074	24	4	3	6	2	8	2	0	0	1376
2075	0	0	0	0	0	0	0	0	0	1376

Note: Deaths are cumulative following cirrhosis