

Appendix B

DATA TABLES

Table 1: Current Trajectory

Table 2: Delayed Onset Treatment Scenario

Table 3: Slowed Progression Treatment Scenario

TABLE 1

Current Trajectory

People with Alzheimer's Disease	2015	2020	2025	2030	2035	2040	2045	2050
Number of people with AD (millions)	5.1	5.8	6.8	8.2	9.9	11.6	12.8	13.5
Number in mild stage (millions)	1.4	1.7	2.0	2.4	2.7	3.1	3.2	3.1
Percent in mild stage	27%	28%	29%	29%	28%	26%	25%	23%
Number in moderate stage (millions)	1.5	1.8	2.1	2.5	3.0	3.5	3.8	3.8
Percent in moderate stage	30%	31%	31%	31%	30%	30%	29%	28%
Number in severe stage (millions)	2.2	2.4	2.8	3.4	4.2	5.0	5.9	6.5
Percent in severe stage	43%	41%	41%	41%	42%	44%	46%	48%
Percent of all 65+ with AD	11%	10%	10%	11%	13%	15%	16%	16%

Costs (in billions of 2015 \$)	2015	2020	2025	2030	2035	2040	2045	2050
Medicare costs	\$113	\$134	\$173	\$233	\$311	\$403	\$499	\$589
Medicaid costs	\$41	\$48	\$59	\$77	\$100	\$126	\$153	\$176
Out-of-pocket costs	\$44	\$51	\$64	\$84	\$110	\$140	\$171	\$198
Costs to other payers	\$29	\$34	\$43	\$58	\$76	\$97	\$119	\$138
Total costs to government	\$153	\$182	\$232	\$309	\$410	\$530	\$653	\$765
Total cost to all payers	\$226	\$267	\$340	\$451	\$596	\$767	\$942	\$1,101

Totals may not add due to rounding.

TABLE 2

Delayed Onset Treatment Scenario (Treatment delays onset of Alzheimer's by five years and becomes available in 2025)

People with Alzheimer's Disease		2015	2020	2025	2030	2035	2040	2045	2050
Number of people with AD (millions)	Current	5.1	5.8	6.8	8.2	9.9	11.6	12.8	13.5
	Delayed	5.1	5.8	6.8	5.8	5.9	6.6	7.3	7.8
Number in mild stage (millions)	Current	1.4	1.7	2.0	2.4	2.7	3.1	3.2	3.1
	Delayed	1.4	1.7	2.0	1.2	1.5	1.8	1.9	1.9
Percent in mild stage	Current	27%	28%	29%	29%	28%	26%	25%	23%
	Delayed	27%	28%	29%	21%	26%	27%	26%	25%
Number in moderate stage (millions)	Current	1.5	1.8	2.1	2.5	3.0	3.5	3.8	3.8
	Delayed	1.5	1.8	2.1	1.5	1.6	1.9	2.2	2.3
Percent in moderate stage	Current	30%	31%	31%	31%	30%	30%	29%	28%
	Delayed	30%	31%	31%	27%	28%	29%	30%	30%
Number in severe stage (millions)	Current	2.2	2.4	2.8	3.4	4.2	5.0	5.9	6.5
	Delayed	2.2	2.4	2.8	3.0	2.7	2.8	3.2	3.6
Percent in severe stage	Current	43%	41%	41%	41%	42%	44%	46%	48%
	Delayed	43%	41%	41%	52%	47%	43%	44%	46%
Percent of all 65+ with AD	Current	11%	10%	10%	11%	13%	15%	16%	16%
	Delayed	11%	10%	10%	8%	8%	8%	9%	9%
Costs (in billions of 2015 \$)		2015	2020	2025	2030	2035	2040	2045	2050
Medicare costs	Current	\$113	\$134	\$173	\$233	\$311	\$403	\$499	\$589
	Delayed	\$113	\$134	\$173	\$202	\$244	\$306	\$378	\$448
	Savings	\$0	\$0	\$0	\$31	\$67	\$97	\$121	\$141
Medicaid costs	Current	\$41	\$48	\$59	\$77	\$100	\$126	\$153	\$176
	Delayed	\$41	\$48	\$59	\$60	\$61	\$71	\$85	\$99
	Savings	\$0	\$0	\$0	\$16	\$38	\$55	\$68	\$77
Out-of-pocket costs	Current	\$44	\$51	\$64	\$84	\$110	\$140	\$171	\$198
	Delayed	\$44	\$51	\$64	\$64	\$67	\$78	\$94	\$110
	Savings	\$0	\$0	\$0	\$20	\$44	\$62	\$77	\$87
Costs to other payers	Current	\$29	\$34	\$43	\$58	\$76	\$97	\$119	\$138
	Delayed	\$29	\$34	\$43	\$42	\$45	\$53	\$65	\$76
	Savings	\$0	\$0	\$0	\$16	\$31	\$44	\$54	\$62
Total costs to government	Current	\$153	\$182	\$232	\$309	\$410	\$530	\$653	\$765
	Delayed	\$153	\$182	\$232	\$262	\$305	\$377	\$463	\$547
	Savings	\$0	\$0	\$0	\$47	\$105	\$152	\$190	\$218
Total costs to all payers	Current	\$226	\$267	\$340	\$451	\$596	\$767	\$942	\$1,101
	Delayed	\$226	\$267	\$340	\$368	\$417	\$509	\$622	\$734
	Savings	\$0	\$0	\$0	\$83	\$180	\$259	\$320	\$367

Totals may not add due to rounding.

TABLE 3

Slowed Progression Treatment Scenario (Treatment slows progression of Alzheimer's [annual progression of 10% mild to moderate and 5% moderate to severe] and becomes available in 2025)

People with Alzheimer's Disease		2015	2020	2025	2030	2035	2040	2045	2050
Number of people with AD (millions)	Current	5.1	5.8	6.8	8.2	9.9	11.6	12.8	13.5
	Slowed	5.1	5.8	6.8	8.5	10.6	12.6	14.1	15.0
Number in mild stage (millions)	Current	1.4	1.7	2.0	2.4	2.7	3.1	3.2	3.1
	Slowed	1.4	1.7	2.0	4.9	6.7	7.9	8.6	8.9
Percent in mild stage	Current	27%	28%	29%	29%	28%	26%	25%	23%
	Slowed	27%	28%	29%	57%	63%	63%	61%	59%
Number in moderate stage (millions)	Current	1.5	1.8	2.1	2.5	3.0	3.5	3.8	3.8
	Slowed	1.5	1.8	2.1	2.1	2.9	3.7	4.4	4.9
Percent in moderate stage	Current	30%	31%	31%	31%	30%	30%	29%	28%
	Slowed	30%	31%	31%	25%	27%	30%	31%	33%
Number in severe stage (millions)	Current	2.2	2.4	2.8	3.4	4.2	5.0	5.9	6.5
	Slowed	2.2	2.4	2.8	1.5	1.0	0.9	1.1	1.2
Percent in severe stage	Current	43%	41%	41%	41%	42%	44%	46%	48%
	Slowed	43%	41%	41%	18%	10%	8%	7%	8%
Percent of all 65+ with AD	Current	11%	10%	10%	11%	13%	15%	16%	16%
	Slowed	11%	10%	10%	12%	14%	16%	17%	18%
Costs (in billions of 2015 \$)		2015	2020	2025	2030	2035	2040	2045	2050
Medicare costs	Current	\$113	\$134	\$173	\$233	\$311	\$403	\$499	\$589
	Slowed	\$113	\$134	\$173	\$198	\$254	\$330	\$409	\$485
	Savings	\$0	\$0	\$0	\$35	\$56	\$74	\$90	\$104
Medicaid costs	Current	\$41	\$48	\$59	\$77	\$100	\$126	\$153	\$176
	Slowed	\$41	\$48	\$59	\$50	\$57	\$71	\$87	\$102
	Savings	\$0	\$0	\$0	\$27	\$43	\$56	\$66	\$74
Out-of-pocket costs	Current	\$44	\$51	\$64	\$84	\$110	\$140	\$171	\$198
	Slowed	\$44	\$51	\$64	\$62	\$75	\$95	\$117	\$137
	Savings	\$0	\$0	\$0	\$22	\$35	\$45	\$54	\$61
Costs to other payers	Current	\$29	\$34	\$43	\$58	\$76	\$97	\$119	\$138
	Slowed	\$29	\$34	\$43	\$49	\$62	\$79	\$97	\$113
	Savings	\$0	\$0	\$0	\$9	\$14	\$18	\$21	\$25
Total costs to government	Current	\$153	\$182	\$232	\$309	\$410	\$530	\$653	\$765
	Slowed	\$153	\$182	\$232	\$248	\$311	\$400	\$496	\$587
	Savings	\$0	\$0	\$0	\$62	\$100	\$129	\$156	\$179
Total cost to all payers	Current	\$226	\$267	\$340	\$451	\$596	\$767	\$942	\$1,101
	Slowed	\$226	\$267	\$340	\$359	\$448	\$575	\$710	\$837
	Savings	\$0	\$0	\$0	\$92	\$148	\$193	\$232	\$264

Totals may not add due to rounding.