

Appendix 2 (as supplied by the authors): Detailed Results of HF Hospitalization Cost Projection in Canada, 2014- 2030

Projection of national volume of HF patients from 2014- 2030

Expected HF hospitalization prevalence rates from 2014 to 2030 are shown in detail in Table S2.1. Annual in-patient HF population projections from 2014 to 2030 are presented in detail in Table S2.2

Table S2.1: Estimated HF hospitalization prevalence rate per 100,000 populations by sex and age in Canada, 2014- 2030

Fiscal Year	Female				Male			
	<60	60-69	70-79	>=80	<60	60-69	70-79	>=80
2014	9	130	436	1,471	16	219	636	1,785
2015	9	127	427	1,440	16	214	623	1,748
2016	9	125	418	1,410	15	210	610	1,711
2017	9	122	409	1,381	15	205	597	1,676
2018	9	119	401	1,352	15	201	584	1,641
2019	8	117	393	1,324	14	197	572	1,607
2020	8	114	384	1,296	14	193	560	1,573
2021	8	112	376	1,269	14	189	549	1,540
2022	8	110	369	1,243	14	185	537	1,508
2023	8	107	361	1,217	13	181	526	1,477
2024	8	105	353	1,191	13	177	515	1,446
2025	7	103	346	1,167	13	173	504	1,416
2026	7	101	339	1,142	12	170	494	1,386
2027	7	99	332	1,118	12	166	483	1,357
2028	7	97	325	1,095	12	163	473	1,329
2029	7	95	318	1,072	12	159	464	1,301
2030	7	93	311	1,050	11	156	454	1,274

Table S2.2: In-patient HF population projection in Canada, 2014- 2030

Fiscal Year	Canadian population projection	Number of HF patients hospitalized		
		Expected	95% CI lower bound	95% CI upper bound
2014	35,515,400	45,834	43,992	47,633
2015	35,872,400	46,137	44,164	48,078
2016	36,229,100	46,472	44,347	48,576
2017	36,584,200	46,922	44,625	49,213
2018	36,939,900	47,367	44,884	49,861
2019	37,294,400	47,789	45,111	50,499
2020	37,646,400	48,203	45,320	51,140
2021	37,997,700	48,671	45,572	51,850
2022	38,345,800	49,130	45,808	52,561
2023	38,693,200	49,683	46,125	53,382
2024	39,039,800	50,270	46,466	54,250
2025	39,383,200	50,836	46,782	55,104
2026	39,724,100	51,435	47,122	56,003
2027	40,062,100	52,269	47,672	57,165
2028	40,395,000	52,998	48,120	58,226
2029	40,723,200	53,622	48,465	59,180
2030	41,046,600	54,196	48,759	60,089

Projection of annual hospitalization costs per HF patient from 2014- 2030

Annual hospitalization costs per a HF patient are shown in detail in Table S2.3. Total HF annual hospitalization costs are presented in detail in Table S2.4.

Table S2.3: Annual hospitalization cost per HF patient by sex and age in Canada (in 2014 \$-values), 2014- 2030

Fiscal Year	Patient average	Female				Male			
		<60	60-69	70-79	>=80	<60	60-69	70-79	>=80
2014	11,124	11,543	11,397	10,916	10,014	11,873	11,722	11,228	10,300
2015	11,280	11,705	11,556	11,069	10,154	12,039	11,886	11,385	10,445

2016	11,438	11,869	11,718	11,224	10,297	12,208	12,053	11,545	10,591
2017	11,598	12,035	11,882	11,381	10,441	12,379	12,222	11,706	10,739
2018	11,761	12,203	12,049	11,540	10,587	12,552	12,393	11,870	10,890
2019	11,925	12,374	12,217	11,702	10,735	12,728	12,567	12,036	11,042
2020	12,092	12,548	12,389	11,866	10,886	12,906	12,743	12,205	11,197
2021	12,262	12,723	12,562	12,032	11,038	13,087	12,921	12,376	11,354
2022	12,433	12,902	12,738	12,201	11,193	13,270	13,102	12,549	11,513
2023	12,608	13,082	12,917	12,372	11,350	13,456	13,286	12,725	11,674
2024	12,784	13,266	13,097	12,545	11,509	13,645	13,472	12,903	11,837
2025	12,963	13,451	13,281	12,721	11,670	13,836	13,660	13,084	12,003
2026	13,145	13,640	13,467	12,899	11,833	14,030	13,852	13,267	12,171
2027	13,329	13,831	13,656	13,080	11,999	14,226	14,046	13,453	12,342
2028	13,516	14,025	13,847	13,263	12,167	14,425	14,243	13,642	12,515
2029	13,705	14,221	14,041	13,449	12,338	14,628	14,442	13,833	12,690
2030	13,897	14,420	14,238	13,637	12,510	14,832	14,644	14,027	12,868

Table S2.4: HF hospitalization cost projection in Canada (in million, 2014 \$-values), 2014-2030

Fiscal Year	Total HF hospitalization cost		
	Expected	95% CI lower bound	95% CI upper bound
2014	492	472	511
2015	502	481	523
2016	513	490	536
2017	525	500	551
2018	538	510	566
2019	550	519	582
2020	563	529	597
2021	576	540	614
2022	590	550	631
2023	605	561	650
2024	620	573	669
2025	635	585	689
2026	651	597	709
2027	670	611	733
2028	688	625	757
2029	706	638	779
2030	722	650	801