

Table S1: Scenario analysis – Annual per patient cost of dialysis maintenance therapy by modality in Manitoba, Canada (2019 Canadian dollars) - AHHD care frequency 3.5 times per week

	HHD Conventional (3.5x/wk)	Full AHHD (3.5x/wk)	Partial AHHD (3.5x/wk)	AHHD complete care (3.5x/wk)
Human Resources (Direct)				
Registered Nurse	\$1,109.94	\$1,566.45	\$1,566.45	\$1,566.45
Unit Clerk	\$268.53	\$268.53	\$268.53	\$268.53
LPN	\$0.00	\$6,145.89	\$6,145.89	\$6,145.89
Renal Dietician	\$567.19	\$567.19	\$567.19	\$567.19
Dialysis Technician	\$1,943.01	\$1,943.01	\$1,943.01	\$1,943.01
Clinical Pharmacist	\$870.19	\$870.19	\$870.19	\$870.19
Social Worker	\$383.18	\$383.18	\$383.18	\$383.18
HCA	\$0.00	\$2,677.56	\$0.00	\$14,321.48
Total Human Resources	\$5,142.03	\$14,421.98	\$11,744.43	\$26,065.91
Benefits	\$1,036.12	\$2,906.03	\$2,366.50	\$5,252.28
Vacation and Relief	\$1,008.87	\$2,829.59	\$2,304.26	\$5,114.13
Milage, Communications, etc.	\$0.00	\$368.63	\$368.63	\$368.63
Supplies - Medical, Surgical, and Laboratory	\$12,132.71	\$12,132.71	\$12,132.71	\$12,132.71
Supplies - Other (e.g. Housekeeping, Maintenance)	\$2,907.54	\$3,392.13	\$3,392.13	\$3,392.13
Drug Expenses	\$3,184.98	\$3,184.98	\$3,184.98	\$3,184.98
Equipment Expenses	\$4,528.04	\$4,528.04	\$4,528.04	\$4,528.04
Departmental Sundry / Miscellaneous	\$123.99	\$146.71	\$141.39	\$169.86
Hospital Utilities/Overhead (Electricity/Heat)	\$77.76	\$77.76	\$77.76	\$77.76
Water	\$470.95	\$470.95	\$470.95	\$470.95
Capital Cost	\$3,212.65	\$3,212.65	\$3,212.65	\$3,212.65
In-Centre Runs	\$4,601.92	\$4,601.92	\$4,601.92	\$4,601.92
Total	\$38,427.56	\$52,274.09	\$48,526.34	\$68,571.96
CAPD, continuous ambulatory peritoneal dialysis, CCPD, continuous cycling peritoneal dialysis, aHHD, assisted home hemodialysis, aCCPD, continuous cycling assisted peritoneal dialysis, LPN, licensed practical nurse, HCA, health care aide				

Table S2: Scenario analysis – Annual per patient cost of dialysis maintenance therapy by modality in Manitoba, Canada (2019 Canadian dollars) - health care aide staffing model

	In-Centre Hemodialysis	PD (CAPD)	PD (CCPD)	HHD Conventional (3x/wk)	Full AHHD (3x/wk)	Partial AHHD (3x/wk)	AHHD complete care (3x/wk)	Partial ACCPD (daily)	Full ACCPD (daily)
Human Resources (Direct)									
Registered Nurse	\$19,594.00	\$1,933.44	\$1,933.44	\$1,109.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Unit Clerk	\$1,163.65	\$295.39	\$295.39	\$268.53	\$268.53	\$268.53	\$268.53	\$295.39	\$295.39
LPN	\$9,608.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Renal Dietician	\$685.35	\$472.65	\$472.65	\$567.19	\$567.19	\$567.19	\$567.19	\$472.65	\$472.65
Dialysis Technician	\$645.17	\$0.00	\$0.00	\$1,943.01	\$1,943.01	\$1,943.01	\$1,943.01	\$0.00	\$0.00
Clinical Pharmacist	\$428.79	\$327.90	\$327.90	\$870.19	\$870.19	\$870.19	\$870.19	\$327.90	\$327.90
Social Worker	\$469.20	\$383.18	\$383.18	\$383.18	\$383.18	\$383.18	\$383.18	\$383.18	\$383.18
HCA	\$0.00	\$0.00	\$0.00	\$0.00	\$5,355.11	\$3,060.06	\$17,338.65	\$7,040.05	\$12,320.10
Total Human Resources	\$32,594.81	\$3,412.56	\$3,412.56	\$5,142.03	\$9,387.20	\$7,092.15	\$21,370.74	\$8,519.17	\$13,799.21
Benefits	\$6,567.85	\$687.63	\$687.63	\$1,036.12	\$1,891.52	\$1,429.07	\$4,306.20	\$1,716.61	\$2,780.54
Vacation and Relief	\$6,395.10	\$669.54	\$669.54	\$1,008.87	\$1,841.77	\$1,391.48	\$4,192.94	\$1,671.46	\$2,707.41
Milage, Communications, etc.	\$0.00	\$0.00	\$0.00	\$0.00	\$102.21	\$102.21	\$102.21	\$745.24	\$1,304.16
Supplies - Medical, Surgical, and Laboratory	\$7,844.36	\$24,487.64	\$36,295.34	\$10,399.47	\$10,399.47	\$10,399.47	\$10,399.47	\$36,295.34	\$36,295.34
Supplies - Other (e.g. Housekeeping, Maintenance)	\$837.82	\$333.64	\$333.64	\$2,907.54	\$2,907.54	\$2,907.54	\$2,907.54	\$333.64	\$333.64
Drug Expenses	\$6,004.55	\$3,236.88	\$3,236.88	\$3,184.98	\$3,184.98	\$3,184.98	\$3,184.98	\$3,236.88	\$3,236.88
Equipment Expenses	\$580.35	\$0.00	\$0.00	\$4,528.04	\$4,528.04	\$4,528.04	\$4,528.04	\$0.00	\$0.00
Departmental Sundry / Miscellaneous	\$141.15	\$147.08	\$206.12	\$115.33	\$124.28	\$119.71	\$148.11	\$220.00	\$233.29

Hospital Utilities/Overhead (Electricity/Heat)	\$222.40	\$77.76	\$77.76	\$77.76	\$77.76	\$77.76	\$77.76	\$77.76	\$77.76
Water	\$428.17	\$0.00	\$0.00	\$403.67	\$403.67	\$403.67	\$403.67	\$0.00	\$0.00
Capital Cost	\$5,798.99	\$3,212.65	\$3,212.65	\$3,212.65	\$3,212.65	\$3,212.65	\$3,212.65	\$3,212.65	\$3,212.65
In-Centre Runs	\$0.00	\$0.00	\$0.00	\$4,601.92	\$4,601.92	\$4,601.92	\$4,601.92	\$0.00	\$0.00
Total	\$67,415.55	\$36,265.39	\$48,132.13	\$36,618.37	\$42,663.01	\$39,450.66	\$59,436.23	\$56,028.76	\$63,980.89

CAPD, continuous ambulatory peritoneal dialysis, CCPD, continuous cycling peritoneal dialysis, aHHD, assisted home hemodialysis, aCCPD, continuous cycling assisted peritoneal dialysis, LPN, licensed practical nurse, HCA, health care aide