COVID-19 Related Rate Models for I/DD Waiver Services*

- prepared for -

Developmental Disabilities Division Hawaii State Department of Health

- prepared by -

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^{*} This packet only includes rates for which new rate models have been developed so, for example, it does not include information related to retainer payments or T&C telehealth rates set equal to current rates.

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Appendices

Appendix A: Wage Assumptions Appendix B: Benefits Assumptions Appendix C: Productivity Assumptions

Listing of Rates

Service	Unit	Big Island	Other Islands	All Islands
Additional Residential Supports, Group Services, 1:2	15 min.	\$3.03	\$2.94	
Additional Residential Supports, Group Services, 1:3	15 min.	\$2.12	\$2.06	
Additional Residential Supports, Group Services, 1:4	15 min.	\$1.67	\$1.62	
Additional Residential Supports, Group Services, 1:5	15 min.	\$1.39	\$1.35	
Additional Residential Supports, Group Services, 1:6	15 min.	\$1.21	\$1.18	
Personal Assistance/ Habilitation, Telehealth, 1:1	15 min.			\$6.71
Personal Assistance/ Habilitation, Telehealth, 1:2	15 min.			\$3.90
Personal Assistance/ Habilitation, Telehealth, 1:3	15 min.			\$2.87
Adult Day Health, Telehealth, Group	15 min.			\$3.64
Adult Day Health, Telehealth, 1:1	15 min.			\$7.06
Discovery and Career Planning, Telehealth	15 min.			\$10.74
Benefits Planning, Telehealth	15 min.			\$12.49
Individual Employment Supports, Telehealth, Job Development	15 min.			\$10.92
Individual Employment Supports, Telehealth, Job Coaching	15 min.			\$9.45
Medical Respite, Registered Nurse with Room and Board	Day			\$1,169.88
Medical Respite, Licensed Practical Nurse with Room and Board	Day			\$681.79
Medical Respite, Certified Nursing Assistant with Room and Board	Day			\$495.46
Medical Respite, Registered Nurse without Room and Board	Day			\$1,117.53
Medical Respite, Licensed Practical Nurse without Room and Board	Day			\$629.43
Medical Respite, Certified Nursing Assistant without Room and Board	Day			\$443.10

Additional Residential Supports, Group Services

		1:2		1:3	
		Big Island	Other Islands	Big Island	Other Islands
	Unit of Service	15 Minutes	15 Minutes	15 Minutes	15 Minutes
S	- Direct Staff Hourly Wage	\$12.33	\$12.33	\$12.33	\$12.33
efit	- Employee Benefit Rate (as a percent of wages)	33.3%	33.3%	33.3%	33.3%
3en	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$16.43	\$16.43	\$16.43	\$16.43
Direct Support Staff Wages and Benefits	Productivity Adjustments				
s aı	Total Hours	40.00	40.00	40.00	40.00
age	- Travel Time (Between Participants)	1.13	0.54	1.13	0.54
M.	- Attending ISP Meetings	-	-	-	-
taf	- Recordkeeping and Reporting	-///	-	-	-
rr S	- Employer and One-on-One Supervision Time	0.68	0.68	0.68	0.68
odd	- Training	0.46	0.46	0.46	0.46
Suj	- Paid Time Off	3.54	3.54	3.54	3.54
ect	"Billable" Hours	34.19	34.78	34.19	34.78
Dir	Productivity Factor	1.17	1.15	1.17	1.15
	Staff Cost After Productivity Adj. per Billable Hour	\$19.22	\$18.89	\$19.22	\$18.89
e e	- Number of Miles Traveled per Week	45	18	45	18
Mileage	- Amount per Mile	\$0.535	\$0.535	\$0.535	\$0.535
Mi	Weekly Mileage Cost	\$24.08	\$9.63	\$24.08	\$9.63
	Mileage Cost per Billable Hour	\$0.70	\$0.28	\$0.70	\$0.28
xes	- Program Support Funding per Day	\$15.00	\$15.00	\$22.50	\$22.50
Program Support, Administration, and Taxes	Program Support Cost per Billable Hour	\$2.19	\$2.16	\$3.29	\$3.23
upp an	Cost per Billable Hour Before Administration	\$22.11	\$21.33	\$23.21	\$22.40
Su ion,	- Administration Percent	5.0%	5.0%	5.0%	5.0%
Program Support, inistration, and T	Administration Cost per Billable Hour	\$1.16	\$1.12	\$1.22	\$1.18
Prog	Cost per Billable Hour Before General Excise Tax	\$23.27	\$22.45	\$24.43	\$23.58
\dm	- General Excise Tax Rate	4.0%	4.5%	4.0%	4.5%
4	General Excise Tax Cost per Billable Hour	\$0.97	\$1.06	\$1.02	\$1.11
	Total Cost per Billable Hour	\$24.24	\$23.51	\$25.45	\$24.69
	- Number of Participants	2	2	3	3
	Rate per 15 Minutes	\$3.03	\$2.94	\$2.12	\$2.06

Additional Residential Supports, Group Services

		1:4		1:5	
		Big Island	Other Islands	Big Island	Other Islands
	Unit of Service	15 Minutes	15 Minutes	15 Minutes	15 Minutes
S	- Direct Staff Hourly Wage	\$12.33	\$12.33	\$12.33	\$12.33
efit	- Employee Benefit Rate (as a percent of wages)	33.3%	33.3%	33.3%	33.3%
Ben	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$16.43	\$16.43	\$16.43	\$16.43
l pu	Productivity Adjustments				
Direct Support Staff Wages and Benefits	Total Hours	40.00	40.00	40.00	40.00
/age	- Travel Time (Between Participants)	1.13	0.54	1.13	0.54
H. W	- Attending ISP Meetings	-	- //	-	-
Staf	- Recordkeeping and Reporting	-	-	-	-
tro	- Employer and One-on-One Supervision Time	0.68	0.68	0.68	0.68
ddı	- Training - Paid Time Off	0.46 3.54	0.46 3.54	0.46 3.54	0.46
t Sı	- Paid Time Off "Billable" Hours	3.54 34.19	3.54	3.54 34.19	3.54 34.78
irec	Productivity Factor	1.17	1.15	1.17	1.15
Ď					
	Staff Cost After Productivity Adj. per Billable Hour	\$19.22	\$18.89	\$19.22	\$18.89
90	- Number of Miles Traveled per Week	45	18	45	18
Mileage	- Amount per Mile	\$0.535	\$0.535	\$0.53 <mark>5</mark>	\$0.535
Ä	Weekly Mileage Cost	\$24.08	\$9.63	\$24.08	\$9.63
	Mileage Cost per Billable Hour	\$0.70	\$0.28	\$0.70	\$0.28
xes	- Program Support Funding per Day	\$30.00	\$30.00	\$37.50	\$37.50
ort, 1 Ta	Program Support Cost per Billable Hour	\$4.39	\$4.31	\$5.48	\$5.39
Program Support, inistration, and Ta	Cost per Billable Hour Before Administration	\$24.31	\$23.48	\$25.40	\$24.56
ı Sı	- Administration Percent	5.0%	5.0%	5.0%	5.0%
gran	Administration Cost per Billable Hour	\$1.28	\$1.24	\$1.34	\$1.29
Program Support, Administration, and Taxes	Cost per Billable Hour Before General Excise Tax	\$25.59	\$24.72	\$26.74	\$25.85
\dm	- General Excise Tax Rate	4.0%	4.5%	4.0%	4.5%
< <	General Excise Tax Cost per Billable Hour	\$1.07	\$1.16	\$1.11	\$1.22
	Total Cost per Billable Hour	\$26.66	\$25.88	\$27.85	\$27.07
	- Number of Participants	4	4	5	5
	Rate per 15 Minutes	\$1.67	\$1.62	\$1.39	\$1.35

Additional Residential Supports, Group Services

		1:6		
		Big Island	Other Islands	
	Unit of Service	15 Minutes	15 Minutes	
S	- Direct Staff Hourly Wage	\$12.33	\$12.33	
əfit	- Employee Benefit Rate (as a percent of wages)	33.3%	33.3%	
Direct Support Staff Wages and Benefits	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$16.43	\$16.43	
nd I	Productivity Adjustments			
es a	Total Hours	40.00	40.00	
/age	- Travel Time (Between Participants)	1.13	0.54	
Ŧ.W	- Attending ISP Meetings	-	-	
Staf	- Recordkeeping and Reporting	-	-	
T E	- Employer and One-on-One Supervision Time	0.68	0.68	
bbc	- Training	0.46	0.46	
Su	- Paid Time Off	3.54	3.54	
ect	"Billable" Hours	34.19	34.78	
Dir	Productivity Factor	1.17	1.15	
	Staff Cost After Productivity Adj. per Billable Hour	\$19.22	\$18.89	
e e	- Number of Miles Traveled per Week	45	18	
Mileage	- Amount per Mile	\$0.535	\$0.535	
Mi	Weekly Mileage Cost	\$24.08	\$9.63	
	Mileage Cost per Billable Hour	\$0.70	\$0.28	
ses	- Program Support Funding per Day	\$45.00	\$45.00	
rt, Ta	Program Support Cost per Billable Hour	\$6.58	\$6.47	
ppc	Cost per Billable Hour Before Administration	\$26.50	\$25.64	
Su on,	- Administration Percent	5.0%	5.0%	
Program Support, Administration, and Taxes	Administration Cost per Billable Hour	\$1.39	\$1.35	
	Cost per Billable Hour Before General Excise Tax	\$27.89	\$26.99	
	- General Excise Tax Rate	4.0%	4.5%	
A	General Excise Tax Cost per Billable Hour	\$1.16	\$1.27	
	Total Cost per Billable Hour	\$29.05	\$28.26	
	- Number of Participants	6	6	
	Rate per 15 Minutes	\$1.21	\$1.18	

Personal Assistance/ Habilitation, Telehealth

		1:1	1:2	1:3
ı		All Islands	All Islands	All Islands
	Unit of Service	15 Minutes	15 Minutes	15 Minutes
	- Direct Staff Hourly Wage	\$13.60	\$13.60	\$13.60
fits	- Employee Benefit Rate (as a percent of wages)	31.3%	31.3%	31.3%
ene	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$17.85	\$17.85	\$17.85
Direct Support Staff Wages and Benefits	Productivity Adjustments			
anc	Total Hours	40.00	40.00	40.00
ses	- Travel Time (Between Participants)	40.00	2.03	2.03
Vag	- Attending ISP Meetings	0.23	0.45	0.68
ff \	- Missed Appointments	0.45	-	-
Sta	- Recordkeeping and Reporting	0.45	0.68	0.90
ort	- Employer and One-on-One Supervision Time	0.68	0.68	0.68
ddı	- Training	0.46	0.46	0.46
t Sı	- Paid Time Off	3.54	3.54	3.54
rec	"Billable" Hours	34.19	32.16	31.71
Di	Productivity Factor	1.17	1.24	1.26
	Staff Cost After Productivity Adj. per Billable Hour	\$20.88	\$22.13	\$22.49
e.	- Number of Miles Traveled per Week	0	0	0
Mileage	- Amount per Mile	\$0.535	\$0.535	\$0.535
Mil	Weekly Mileage Cost	\$0.00	\$0.00	\$0.00
	Mileage Cost per Billable Hour	\$0.00	\$0.00	\$0.00
es	- Program Support Funding per Day	\$15.00	\$30.00	\$45.00
Fax	Program Support Cost per Billable Hour	\$2.19	\$4.66	\$7.10
oori nd 7				ψ10
upj 1, ai	Cost per Billable Hour Before Administration	\$23.07	\$26.79	\$29.59
n S tior	- Administration Percent	10.0%	10.0%	10.0%
gra	Administration Cost per Billable Hour	\$2.56	\$2.98	\$3.29
Program Support, Administration, and Taxes	Cost per Billable Hour Before General Excise Tax	\$25.63	\$29.77	\$32.88
l mb	- General Excise Tax Rate	4.5%	4.5%	4.5%
A	General Excise Tax Cost per Billable Hour	\$1.21	\$1.40	\$1.55
	Total Cost per Billable Hour	\$26.84	\$31.17	\$34.43
	- Number of Participants	1	2	3
	Rate per 15 Minutes	\$6.71	\$3.90	\$2.87

Adult Day Health, Telehealth

		Group
	707	All Islands
	Unit of Service	15 Minute
	- Direct Staff Hourly Wage	\$13.60
	- Employee Benefit Rate (as a percent of wages)	31.3%
	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$17.85
fits	Productivity Adjustments	
Direct Support Staff Wages and Benefits	Total Hours	40.00
d B	- Transporting participants	- 0.22
ä	- Attending ISP Meetings - Program Set-Up/ Clean-Up	0.23 2.25
ses	- Program Set-Op/ Clean-Op - Recordkeeping and Reporting	0.45
Wa	- Employer and One-on-One Supervision Time	0.43
aff	- Training	0.46
t St	- Paid Time Off	3.54
por	"Billable" Hours	32.39
[dn _i	Productivity Factor	1.23
ct	Hourly Staff Cost per Billable Hour	\$21.96
)ire	Staffing Ratio	
	- Group Size (Participants per Direct Support Staff)	3.0
	- Participant Attendance Rate	85%
	- Adjusted Weighted Avg. of No. of Participants per Staff	2.55
	Staff Cost per Participant per Billable Hour	\$8.61
Attendance	- Annual Days of Program Operations	250.0
nda	- Annual Days of Participant Attendance	212.5
rtte:	- Hours per Day of Participant Attendance	6.00
< -	Hours per Year of Participant Attendance	1,275
	Depreciation Costs	* 10.000
	- Purchase Price	\$40,000
	- Salvage Value - Useful Life (Miles)	30%
	Depreciation Cost per Mile	100,000 \$0.280
Mileage	Operating Costs	ψ0.200
ile	Amount per Mile	\$0.285
Σ		φ0.265
	Number of Miles Traveled per Vehicle per Week Number of Participants per Vehicle	4.00
	Allocated Miles per Participant per Week	0.0
	Annual Mileage Cost/ Participant (at 250 days of operation)	\$0.00
	Mileage Cost per Participant per Billable Hour	\$0.00
,	- Square Feet of Service Space per Participant	100
Facility	- Annual Cost per Square Foot	\$18.00
Tac.	Annual Facility Cost per Participant	\$1,800.00
	Facility Cost per Participant per Billable Hour	\$1.41
Sup- plies	- Cost of Supplies per Participant per Day	\$1.00
Su pli	Supply Cost per Participant per Billable Hour	\$0.17
	- Program Support Funding per Participant per Day	\$15.00
rt, kes	Program Support Cost per Participant per Billable Hour	\$2.32
ро Тах	Cost per Billable Hour Before Administration	\$12.51
Program Support, Admin., and Taxes	- Administration Percent	10.0%
am 1., a	Administration Cost per Participant per Billable Hour	\$1.39
ogr mir	Cost per Billable Hour Before General Excise Tax	\$13.90
Pr Ad	- General Excise Tax Rate	4.5%
	Weekly General Excise Tax Cost per Participant	\$0.65
	Total Cost per Billable Hour	\$14.55
	Rate per 15 Minutes	\$3.64

Adult Day Health, Telehealth, 1:1

		All Islands
	Unit of Service	15 Minutes
nefits	- Direct Staff Hourly Wage - Employee Benefit Rate (as a percent of wages) Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$13.60 31.3% \$17.85
Direct Support Staff Wages and Benefits	Productivity Adjustments Total Hours	40.00
ıff Wagı	 Transporting participants Attending ISP Meetings Recordkeeping and Reporting 	0.23
port Sta	- Recordice ping and Reporting - Employer and One-on-One Supervision Time - Training	0.45 0.68 0.46
ect Sup	- Paid Time Off "Billable" Hours	3.54 34.64
Dir	Productivity Factor Staff Cost After Productivity Adj. per Billable Hour	1.15 \$20.53
ınce	Annual Days of Program Operations Participant Attendance Rate	250.0 85%
Attendance	- Annual Days of Participant Attendance - Hours per Day of Participant Attendance	212.5 6.00
	Hours per Year of Participant Attendance	1,275
	Depreciation Costs - Purchase Price	\$40,000
	- Salvage Value - Useful Life (Miles)	30% 100,000
age	Depreciation Cost per Mile Operating Costs	\$0.280
Mileage	Amount per Mile	\$0.285
	Number of Miles Traveled per Vehicle per WeekNumber of Participants per Vehicle	0 4.00
	Allocated Miles per Participant per Week Annual Mileage Cost/ Participant (at 250 days of operation)	0.0 \$0.00
	Mileage Cost per Participant per Billable Hour	\$ 0.00
Facility	- Square Feet of Service Space per Participant - Annual Cost per Square Foot Annual Facility Cost per Participant	\$18.00 \$1,800.00
	Facility Cost per Participant per Billable Hour	\$1,800.00 \$1.41
Sup- plies	- Cost of Supplies per Participant per Day Supply Cost per Participant per Billable Hour	\$1.00 \$0.17
Program Support, Administration, and Taxes	- Program Support Funding per Day Program Support Cost per Billable Hour	\$15.00 \$2.17
Program Support, inistration, and T	Cost per Billable Hour Before Administration - Administration Percent	\$24.28 10.0%
ogram istratic	Administration Cost per Billable Hour	\$2.70
Pro Admin	Cost per Billable Hour Before General Excise Tax - General Excise Tax Rate	\$26.98 4.5%
7	General Excise Tax Cost per Billable Hour Total Cost per Billable Hour	\$1.27 \$28.25
	Rate per 15 Minutes	\$7.06

Discovery and Career Planning, Telehealth

		All Islands
	Unit of Service	15 Minutes
	- Direct Staff Hourly Wage	\$23.28
ts	- Employee Benefit Rate (as a percent of wages)	23.0%
nefi	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$28.64
Direct Support Staff Wages and Benefits	Productivity Assumptions	7_33
S al	Total Hours	40.00
age	- Travel Time (Between Participants)	-
≥	- Program Development	1.34
taff	- Attending ISP Meetings	0.22
t S	- Recordkeeping and Reporting	0.45
Iodo	- Employer and One-on-One Supervision Time	0.67
Ins	- Training - Paid Time Off	0.77 3.54
ر ز	"Billable" Hours	33.01
)ire	Productivity Adjustment	1.21
-	1 roductivity Adjustificht	1.21
	Staff Cost After Productivity Adj. per Billable Hour	\$34.65
e se	- Number of Miles Traveled per Week	0
Mileage	- Amount per Mile	\$0.535
Mi:	Weekly Mileage Cost	\$0.00
	Mileage Cost per Billable Hour	\$0.00
ses	- Program Support Funding per Day	\$15.00
t, Tay	Program Support Cost per Billable Hour	\$2.27
Program Support, Administration, and Taxes	Cost per Billable Hour Before Administration	\$36.92
Sul n, a	- Administration Percent	10.0%
am atic	Administrative Cost per Billable Hour	\$4.10
ogr istr	· //	
T. P.	Cost per Billable Hour Before General Excise Tax	\$41.02
Adı	- General Excise Tax Rate	4.5%
	General Excise Tax Cost per Billable Hour	\$1.93
	Rate per Hour	\$42.95
	Rate per 15 Minutes	\$10.74

Benefits Planning, Telehealth

		All Islands
	Unit of Service	15 Minutes
	- Direct Staff Hourly Wage	\$25.58
its	- Employee Benefit Rate (as a percent of wages)	21.8%
nef	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$31.16
Direct Support Staff Wages and Benefits	Productivity Assumptions	
s	Total Hours	40.00
age	- Travel Time (Between Participants)	-
≱	- Program Development	1.32
taff	- Missed Appointments	0.44
t S	- Recordkeeping and Reporting	2.21
īod	- Employer and One-on-One Supervision Time	0.66
Ing	- Training - Paid Time Off	1.15
ਨੂੰ ਨੂੰ	- Paid Time Off "Billable" Hours	3.54 30.68
)ire	1//	1.30
	Productivity Adjustment	1.50
	Staff Cost After Productivity Adj. per Billable Hour	\$40.51
ည့	- Number of Miles Traveled per Week	0
Mileage	- Amount per Mile	\$0.535
WE	Weekly Mileage Cost	\$0.00
	Mileage Cost per Billable Hour	\$0.00
ses	- Program Support Funding per Day	\$15.00
t, Tay	Program Support Cost per Billable Hour	\$2.44
por		
sup λ, a	Cost per Billable Hour Before Administration	\$42.95
m S in	- Administration Percent	10.0%
Program Support, iinistration, and T	Administrative Cost per Billable Hour	\$4.77
Program Support, Administration, and Taxes	Cost per Billable Hour Before General Excise Tax	\$47.72
dr	- General Excise Tax Rate	4.5%
⋖	General Excise Tax Cost per Billable Hour	\$2.25
	Rate per Hour	\$49.97
	Rate per 15 Minutes	\$12.49

Individual Employment Supports, Telehealth

		Job Development	Job Coaching
		All Islands	All Islands
	Unit of Service	15 Minutes	15 Minutes
nefits	- Direct Staff Hourly Wage - Employee Benefit Rate (as a percent of wages) Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$23.28 23.0% \$28.64	\$20.99 24.4% \$26.11
Direct Support Staff Wages and Benefits	Productivity Assumptions Total Hours	40.00	40.00
taff Wag	- Travel Time (Between Participants) - Program Development - Attending ISP Meetings	1.78 0.22	0.22
upport S	 - Recordkeeping and Reporting - Employer and One-on-One Supervision Time - Training 	0.45 0.67 0.77	0.45 0.67 0.77
Direct S	- Paid Time Off "Billable" Hours Productivity Adjustment	3.54 32.57 1.23	3.54 34.35 1.16
	Staff Cost After Productivity Adj. per Billable Hour	\$35.23	\$30.29
Mileage	- Number of Miles Traveled per Week - Amount per Mile Weekly Mileage Cost Mileage Cost per Billable Hour	0 \$0.535 \$0.00 \$0.00	\$0.535 \$0.00 \$ 0.00
ort, d Taxes	- Program Support Funding per Day Program Support Cost per Billable Hour	\$15.00 \$2.30	\$15.00 \$2.18
Program Support, Administration, and Taxes	Cost per Billable Hour Before Administration - Administration Percent Administrative Cost per Billable Hour	\$37.53 10.0% \$4.17	\$32.47 10.0% \$3.61
	Cost per Billable Hour Before General Excise Tax - General Excise Tax Rate General Excise Tax Cost per Billable Hour	\$41.70 4.5% \$1.96	\$36.08 4.5% \$1.70
	Total Cost per Billable Hour Rate per 15 Minutes	\$43.66 \$10.92	\$37.78 \$9.45

Medical Respite, with Room and Board

		Registered Nurse	Licensed Practical Nurse	Certified Nursing Assistant
		All Islands	All Islands	All Islands
	Unit of Service	Day	Day	Day
S	- Direct Staff Hourly Wage	\$44.37	\$22.30	\$14.62
efit	- Employee Benefit Rate (as a percent of wages)	16.6%	23.6%	30.0%
3en	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$51.74	\$27.56	\$19.01
l pu				
s a	Productivity Adjustments Total Hours	40.00	40.00	40.00
age	- Employer and One-on-One Supervision Time	40.00 0.45	1.80	1.80
M _∃	- Employer and One-on-One Supervision Time - Training	0.46	0.46	0.46
taf	- Paid Time Off	3.54	3.54	3.54
rt S	"Billable" Hours	35.55	34.20	34.20
odd	Productivity Factor	1.13	1.17	1.17
Direct Support Staff Wages and Benefits	Staff Cost After Productivity Adj. per Work Hour	\$58.47	\$32.25	\$22.24
Dir	- Number of Work Hours per Day	16	16	16
	Staff Cost per Day	\$935.52	\$516.00	\$355.84
PPE	Personal Protective Equipment Cost per Day	\$10.00	\$10.00	\$10.00
Program Support and Admin.	- Program Support Funding per Day	\$15.00	\$15.00	\$15.00
m S Adı	Cost per Day Before Administration	\$960.52	\$541.00	\$380.84
ograi and	- Administration Percent	10.0%	10.0%	10.0%
Pro	Administrative Cost per Day	\$106.72	\$60.11	\$42.32
R&B	Room and Board Cost per Day	\$50.00	\$50.00	\$50.00
	Cost per Day Before General Excise Tax	\$1,117.24	\$651.11	\$473.16
	- General Excise Tax Rate	4.5%	4.5%	4.5%
	General Excise Tax Cost per Day	\$52.64	\$30.68	\$22.30
	Rate per Day	\$1,169.88	\$681.79	\$495.46

Medical Respite, without Room and Board

		Registered Nurse	Licensed Practical Nurse	Certified Nursing Assistant
		All Islands	All Islands	All Islands
	Unit of Service	Day	Day	Day
23	- Direct Staff Hourly Wage	\$44.37	\$22.30	\$14.62
ıefiı	- Employee Benefit Rate (as a percent of wages)	16.6%	23.6%	30.0%
Веп	Hourly Staff Cost Before Productivity Adj. (wages + benefits)	\$51.74	\$27.56	\$19.01
and [Productivity Adjustments			
es s	Total Hours	40.00	40.00	40.00
Vag	- Employer and One-on-One Supervision Time	0.45	1.80	1.80
H V	- Training	0.46	0.46	0.46
Sta	- Paid Time Off	3.54	3.54	3.54
ort	"Billable" Hours	35.55	34.20	34.20
oddı	Productivity Factor	1.13	1.17	1.17
Direct Support Staff Wages and Benefits	Staff Cost After Productivity Adj. per Work Hour	\$58.47	\$32.25	\$22.24
Dir	- Number of Work Hours per Day	16	16	16
, ,	Staff Cost per Day	\$935.52	\$516.00	\$355.84
PPE	Personal Protective Equipment Cost per Day	\$10.00	\$10.00	\$10.00
Program Support and Admin.	- Program Support Funding per Day	\$15.00	\$15.00	\$15.00
am S	Cost per Day Before Administration	\$960.52	\$541.00	\$380.84
ogra	- Administration Percent	10.0%	10.0%	10.0%
Pre	Administrative Cost per Day	\$106.72	\$60.11	\$42.32
	Cost per Day Before General Excise Tax	\$1,067.24	\$601.11	\$423.16
	- General Excise Tax Rate	4.5%	4.5%	4.5%
	General Excise Tax Cost per Day	\$50.29	\$28.32	\$19.94
	Rate per Day	\$1,117.53	\$629.43	\$443.10

Appendices to COVID-19 Related Rate Models for I/DD Waiver Services

- prepared for -

Developmental Disabilities Division Hawaii State Department of Health

- prepared by -

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Appendix A: Wage Assumptions Wage Data for Select Job Classifications that Include Duties Related to Waiver Service Job Requirements Data Extracted from Bureau of Labor Statistics, May 2015 Data

BLS Code	e and Title	Bı	reau of La	abor Stati	stics Wage	es	Oth	er BLS Infor	mation
		10th	25th	50th	75th	90th	Typical	Related	Typical on-the-
		%-ile	%-ile	%-ile	%-ile	%-ile	Education	Experience	job training
11-9151	Social and community service mgrs.	\$19.41	\$22.60	\$28.38	\$35.85	\$44.48	Bachelor's	5+ years	None
19-3031	Clinical/ couns./ school psychologists	\$21.27	\$25.16	\$33.08	\$48.50	\$61.28	Doctoral/ prof.	None	Intern/residency
21-1012	Educational/voc./ school counselors	\$16.12	\$20.06	\$25.58	\$30.06	\$36.05	Master's	None	None
21-1014	Mental health counselors	\$12.55	\$14.18	\$18.61	\$28.50	\$37.02	Master's	None	Intern/residency
21-1015	Rehabilitation counselors	\$12.81	\$14.08	\$16.39	\$18.68	\$23.27	Master's	None	None
21-1021	Child/ family/ school social workers	\$16.13	\$20.45	\$25.12	\$30.12	\$36.25	Bachelor's	None	None
21-1022	Healthcare social workers	\$16.41	\$22.30	\$29.08	\$35.27	\$39.09	Master's	None	None
21-1023	Mental health/ sub. abuse social work	\$16.16	\$20.11	\$23.41	\$30.39	\$40.25	Bachelor's	None	None
21-1093	Social and human service assistants	\$9.94	\$12.64	\$15.93	\$19.07	\$22.89	High school	None	Short-term OTJ
21-1094	Community health workers	\$11.83	\$13.20	\$15.82	\$20.47	\$30.33	High school N	None	Short-term OTJ
25-2051	Special education teachers, preschool	No	wage data	reported	for categoi	у	Bachelor's	None	Intern/residency
25-2052	Special ed. teachers, kinder. & elem.	\$19.51	\$27.97	\$33.18	\$39.82	\$44.90	Bachelor's	None	Intern/residency
25-2053	Special ed. teachers, middle school	No	wage data	reported	for categoi	у	Bachelor's	None	Intern/residency
25-2054	Special ed. teachers, secondary school	\$28.27	\$32.03	\$37.63	\$42.67	\$49.66	Bachelor's	None	Intern/residency
25-9041	Teacher assistants	\$13.70	\$17.24	\$19.44	\$21.47	\$25.17	Some college	None	None
29-1031	Dietitians and nutritionists	\$21.92	\$26.34	\$31.43	\$35.98	\$38.78	Bachelor's	None	Intern/residency
29-1066	Psychiatrists	\$25.41	\$28.20	\$66.20	No wag	e data	Doctoral/ prof.	None	Intern/residency
29-1122	Occupational therapists	\$29.62	\$33.39	\$38.55	\$43.15	\$46.41	Master's	None	None
29-1123	Physical therapists	\$29.40	\$35.24	\$40.69	\$45.47	\$48.93	Doctoral/ prof.	None	None
29-1127	Speech-language pathologists	\$26.75	\$31.27	\$35.88	\$40.32	\$45.70	Master's	None	None
29-1141	Registered nurses	\$30.46	\$37.11	\$44.37	\$51.10	\$57.39	Bachelor's	None	None
29-2053	Psychiatric technicians	No	wage data	reported	for categoi	у	Nondegree	Under 5 Yrs.	Short-term OTJ
29-2061	Lic. practical/ lic. vocational nurses	\$17.84	\$20.06	\$22.30	\$25.17	\$28.57	Nondegree	None	None
31-1011	Home health aides	\$8.46	\$9.83	\$12.72	\$14.70	\$17.44	None	None	Short-term OTJ
31-1013	Psychiatric aides	\$15.30	\$16.11	\$17.46	\$18.80	\$21.75	High school	None	Short-term OTJ
31-1014	Nursing assistants	\$10.66	\$12.68	\$14.62	\$17.19	\$18.78	Nondegree	None	None
31-1015	Orderlies	\$14.15	\$16.02	\$17.85	\$20.24	\$22.60	High school	None	Short-term OTJ
31-2011	Occupational therapist assistants	\$20.59	\$22.69	\$25.37	\$28.10	\$29.74	Associate's	None	None
31-2021	Physical therapist assistants	\$10.33	\$11.56	\$18.90	\$24.02	\$28.39	Associate's	None	None
31-2022	Physical therapist aides	\$8.19	\$8.85	\$12.54	\$16.20	\$18.61	High school	None	Short-term OTJ
31-9092	Medical assistants	\$11.07	\$13.14	\$16.17	\$19.38	\$22.28	Nondegree	None	None
37-2011	Janitors/ cleaners, except 37-2012	\$8.26	\$9.02	\$12.02	\$16.58	\$18.38	None	None	Short-term OTJ
37-2012	Maids and housekeeping cleaners	\$12.16	\$15.14	\$17.07	\$19.03	\$21.98	None	None	Short-term OTJ
39-9021	Personal care aides	\$8.23	\$8.96	\$10.61	\$12.86	\$14.84	None	None	Short-term OTJ
39-9032	Recreation workers	\$9.85	\$12.26	\$15.58	\$19.86	\$23.91	High school	None	Short-term OTJ
39-9041	Residential advisers	\$8.21	\$8.89	\$12.22	\$15.71	\$22.05	High school	None	Short-term OTJ

^{*} Hourly wage data for 25-2052, 25-2053 & 25-2054 calculated using reported Annual wages and 180 days (1,440 hours) of work annually

Appendix A: Wage Assumptions Development of Job Requirements by Service (Using BLS Job Codes)

DI S Code and Title	Personal Assistance/ Habilitation	Residential Habilitation	Adult Day Health	Discovery and Career Planning	Benefits Planning	Individual Employment Supports, Job Development	Individual Employment Supports, Job Coaching	Medical Respite - Registered Nurse	Medical Respite - Licensed Practical Nurse	Medical Respite - Certified Nursing Assistant
BLS Code and Title 11-9151 Social and community service mgrs.										
19-3031 Clinical/ couns./ school psychologists										
21-1012 Educational/ voc./ school counselors				75%	100%	75%	50%			
21-1014 Mental health counselors										
21-1015 Rehabilitation counselors				25%		25%	50%			
21-1021 Child/ family/ school social workers										
21-1022 Healthcare social workers 21-1023 Mental health/ sub. abuse social work										
21-1025 Mental health/ sub. abuse social work 21-1093 Social and human service assistants										
21-1094 Community health workers										
25-2051 Special education teachers, preschool										
25-2052 Special ed. teachers, kinder. & elem.										
25-2053 Special ed. teachers, middle school										
25-2054 Special ed. teachers, secondary school										
25-9041 Teacher assistants										
29-1031 Dietitians and nutritionists										
29-1066 Psychiatrists										
29-1122 Occupational therapists										
29-1123 Physical therapists29-1127 Speech-language pathologists										
29-1141 Registered nurses								100%		
29-2053 Psychiatric technicians										
29-2061 Lic. practical/ lic. vocational nurses									100%	
31-1011 Home health aides	25%	10%	25%							
31-1013 Psychiatric aides	25%	10%	25%							
31-1014 Nursing assistants										100%
31-1015 Orderlies										
31-2011 Occupational therapist assistants										
31-2021 Physical therapist assistants										
31-2022 Physical therapist aides 31-9092 Medical assistants										
37-2011 Janitors/ cleaners, except 37-2012										
37-2012 Maids and housekeeping cleaners										
39-9021 Personal care aides	35%	50%	35%							
39-9032 Recreation workers	15%	10%	15%							
39-9041 Residential advisers		20%								
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Appendix A: Wage Assumptions (Using Job Requirement Assumptions)

Personal Assistance/ Habilitation
Residential Habilitation
Adult Day Health
Discovery and Career Planning
Benefits Planning
Individual Employment Supports, Job Development
Individual Employment Supports, Job Coaching
Medical Respite - Registered Nurse
Medical Respite - Licensed Practical Nurse
Medical Respite - Certified Nursing Assistant

Bureau of Labor Statistics

10th Percentile	\$10.30	\$9.12	\$10.30	\$15.29	\$16.12	\$15.29	\$14.47	\$30.46	\$17.84	\$10.66
25th Percentile	\$11.46	\$10.08	\$11.46	\$18.57	\$20.06	\$18.57	\$17.07	\$37.11	\$20.06	\$12.68
50th Percentile (Median)	\$13.60	\$12.33	\$13.60	\$23.28	\$25.58	\$23.28	\$20.99	\$44.37	\$22.30	\$14.62
75th Percentile	\$15.86	\$14.91	\$15.86	\$27.22	\$30.06	\$27.22	\$24.37	\$51.10	\$25.17	\$17.19
90th Percentile	\$18.58	\$18.14	\$18.58	\$32.86	\$36.05	\$32.86	\$29.66	\$57.39	\$28.57	\$18.78

Appendix B: Benefits Assumptions Benefits Assumptions to Establish Benefit Rates

	% of Employ	ees with Access	% of Emp Receive ('P	loyees Who articipation')	Benefit l Participating	Level for Employees	Effective B (Accounts for	
	BLS Data ¹	Rate Models Ges with Access	BLS Data ¹	Rate Models Models	BLS Data ¹	Rate	Effective Be (Accounts for Date OS 19	Rate
Mandatory Bene	. C*4 -							
FICA ²	-	100%	-	100%	-	7.65%		7.65%
Federal UI ³	-	100%	-	100%	-	0.60%		0.60%
State UI ⁴	-	100%	-	100%	-	2.40%		2.40%
FICA ² Federal UI ³ State UI ⁴ Employ. & Train. ⁴ Workers' Comp.	-	100%	- - -	100%	- - -	0.01%		0.01%
Workers' Comp.	-	100%	-	100%	-	2.00%		2.00%
Paid Time Off ⁵								
Holidays	75%	100%	75%	100%	8.0	8.0	6.0	8.0
Holidays Vacation Leave Sick Leave Total	71%	100%	75% 71% 61%	100%	8.0 10.0 7.0 25.0	15.0	6.0 7.1 4.3 17.4	15.0
Sick Leave	61%	100%	61%	100%	7.0	13.0	4.3	15.0
Total	-	-	-	-	25.0	23.0	17.4	23.0
Health Insurance	e^6							
	67%	100%	52%	100%	\$407.45	\$400.00	\$211.87	\$400.00
Other Benefits ⁷								
	-	100%	-	100%	-	\$50	-	\$50.00

Notes

¹BLS' 2015 National Compensation Survey (http://www.bls.gov/ncs/ebs/benefits/2015/ownership_private.htm); data reported is for private employers in the Pacific region

²Combined Social Security tax rate of 6.20% and Medicare tax rate of 1.45%

³Applies to first \$7,000 in wages

⁴Applies to first \$42,200 in wages in 2016

⁵BLS data for vacation and sick leave is based on national data (means) for employees with 1-5 years of experience (mean for those with 6-10 experience is 14 days of vacation and 8 days of sick leave)

⁶In addition to BLS data, other sources were considered. According to U.S. DHHS' 2015 Medical Expenditure Panel, the average premium across all Hawaii employers was \$460.17 with an employer share of \$414.83 (Tables II.C.1 and II.C.2). According to Kaiser's review of individual health insurance plans offered through the State's health insurance exchange, the benchmark plan for a 40 year-old non-smoker in Honolulu is \$262 in 2016 (http://kff.org/health-reform/fact-sheet/analysis-of-2016-premium-changes-in-the-affordable-care-acts-health-insurance-marketplaces/)

⁷BLS provides information for a variety of other benefits that cannot be combined

Appendix B: Benefits Assumptions
Benefit Rates by Wage Level Based on Benefits Assumptions

Hourly Wage	Full-Time Annual	Effective Benefit Rate -					
	Salary	Model Ass	umptions ^{1,2}				
		w/ PTO	w/o PTO				
\$10	\$20,800	47.0%	38.2%				
\$11	\$22,880	44.7%	35.8%				
\$12	\$24,960	42.7%	33.9%				
\$13	\$27,040	41.0%	32.2%				
\$14	\$29,120	39.6%	30.7%				
\$15	\$31,200	38.3%	29.5%				
\$16	\$33,280	37.2%	28.4%				
\$17	\$35,360	36.3%	27.5%				
\$18	\$37,440	35.4%	26.6%				
\$19	\$39,520	34.7%	25.8%				
\$20	\$41,600	34.0%	25.1%				
\$21	\$43,680	33.3%	24.4%				
\$22	\$45,760	32.6%	23.8%				
\$23	\$47,840	32.0%	23.2%				
\$24	\$49,920	31.4%	22.6%				
\$25	\$52,000	30.9%	22.1%				
\$26	\$54,080	30.4%	21.6%				
\$27	\$56,160	30.0%	21.2%				
\$28	\$58,240	29.6%	20.7%				
\$29	\$60,320	29.2%	20.4%				
\$30	\$62,400	28.8%	20.0%				
\$31	\$64,480	28.5%	19.7%				
\$32	\$66,560	28.2%	19.4%				
\$33	\$68,640	27.9%	19.1%				
\$34	\$70,720	27.6%	18.8%				
\$35	\$72,800	27.3%	18.5%				
\$36	\$74,880	27.1%	18.3%				
\$37	\$76,960	26.9%	18.0%				
\$38	\$79,040	26.6%	17.8%				
\$39	\$81,120	26.4%	17.6%				
\$40	\$83,200	26.2%	17.4%				
\$41	\$85,280	26.0%	17.2%				
\$42	\$87,360	25.9%	17.0%				
\$43	\$89,440	25.7%	16.9%				
\$44	\$91,520	25.5%	16.7%				
\$45	\$93,600	25.4%	16.6%				
\$46	\$95,680	25.2%	16.4%				
\$47	\$97,760	25.1%	16.3%				
\$48	\$99,840	24.9%	16.1%				
\$49	\$101,920	24.8%	16.0%				
\$50	\$104,000	24.7%	15.9%				

¹This table illustrates benefit rates in one dollar wage increments, but benefit rates in rate

²Benefit rates in rate models exclude paid time off, which is accounted for in productivity

Appendix C: Productivity Assumptions

Additional Residential Supports, 1:2, Big Island
Additional Residential Supports, 1:2, Other Islands
Additional Residential Supports, 1:3, Big Island
Additional Residential Supports, 1:3, Other Islands
Additional Residential Supports, 1:4, Big Island
Additional Residential Supports, 1:4, Other Islands
Additional Residential Supports, 1:5, Big Island
Additional Residential Supports, 1:5, Other Islands
Additional Residential Supports, 1:6, Big Island
Additional Residential Supports, 1:6, Other Islands

'Typical Workweek' Without Training and

wunoui Training ana										
Direct services	38.00	38.65	38.00	38.65	38.00	38.65	38.00	38.65	38.00	38.65
Collateral contacts	-	-	-	-	-	-	-	-	-	-
Attending ISP meetings	-	-	-	-	-	-	-	-	-	-
Travel time (between participants)	1.25	0.60	1.25	0.60	1.25	0.60	1.25	0.60	1.25	0.60
Transporting participants	-	-	-	-	-	-	-	-	-	-
Program set-up/ clean-up	-	-	-	-	-	-	-	-	-	-
Program development	-	-	-	-	-	-	-	-	-	-
Meeting preparation	-	-	-	-	-	-	-	-	-	-
Missed appointments	-	-	-	-	-	-	-	-	-	-
Recordkeeping and reporting	-	-	-	-	-	-	-	-	-	-
Employer and one-on-one supervision time	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Total	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00

Annual Hours for Training and PTO

Training	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
Paid time off	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00

Workweek Adjusted for Training and PTO

Total	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Paid time off	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54
Training	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
supervision time	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Employer and one-on-one	0.40	0.50	0.40	0.60	0.40	0.40	0.50	0.50	0.50	0.40
Recordkeeping and reporting	-	-	-	-	-	-	-	-	-	-
Missed appointments	-	-	-	-	-	-	-	-	-	-
Meeting preparation	-	-	-	-	-	-	-	-	-	-
Program development	-	-	-	-	-	-	-	-	-	-
Program set-up/ clean-up	-	-	-	-	-	-	-	-	-	-
Transporting participants	-	-	-	-	-	-	-	-	-	-
Travel time (between participants)	1.13	0.54	1.13	0.54	1.13	0.54	1.13	0.54	1.13	0.54
Attending ISP Meetings	-	-	-	-	-	-	-	-	-	-
Collateral contacts	-	-	-	-	-	-	-	-	-	-
Direct services	34.19	34.78	34.19	34.78	34.19	34.78	34.19	34.78	34.19	34.78

Appendix C: Productivity Assumptions

Personal Assistance/ Habilitation, Telehealth, All Islands
Personal Assistance/ Habilitation, Telehealth, 1:2, All Islands
Personal Assistance/ Habilitation, Telehealth, 1:3, All Islands
Adult Day Health, Telehealth, Group, All Islands
Adult Day Health, Telehealth, 1:1, All Islands
Discovery and Career Planning, Telehealth, All Islands
Benefits Planning, Telehealth, All Islands
Individual Employment Supports, Telehealth, Job Development, All Islands
Individual Employment Supports, Telehealth, Job Coaching, All Islands
Medical Respite, Registered Nurse, All Islands
Medical Respite, Licensed Practical Nurse, All Islands
Medical Respite, Certified Nursing Assistant, All Islands

'Typical Workweek' Without Training and

without Iraining and												
Direct services	38.00	35.75	35.25	36.00	37.25	37.00	34.75	36.50	38.50	39.50	38.00	38.00
Collateral contacts	-	-	-	-	-	-	-	-	-	-	-	-
Attending ISP meetings	0.25	0.50	0.75	0.25	0.25	0.25	-	0.25	0.25	-	-	-
Travel time (between participants)	-	-	-	-	-	-	-	-	-	-	-	-
Transporting participants	-	-	-	-	-	-	-	-	-	-	-	-
Program set-up/ clean-up	-	-	-	2.50	1.25	-	-	-	-	-	-	-
Program development	-	-	-	-	-	1.50	1.50	2.00	-	-	-	-
Meeting preparation	-	-	-	-	-	-	-	-	-	-	-	-
Missed appointments	0.50	-	-	-	-	-	0.50	-	-	-	-	-
Recordkeeping and reporting	0.50	0.75	1.00	0.50	0.50	0.50	2.50	0.50	0.50	-	-	-
Employer and one-on-one supervision time	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.50	2.00	2.00
Total	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00

Annual Hours for Training and PTO

Training	24.00	24.00	24.00	24.00	24.00	40.00	60.00	40.00	40.00	24.00	24.00	24.00
Paid time off	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00	184.00

Workweek Adjusted for Training and PTO

Training and TTO												
Direct services	34.19	32.16	31.71	32.39	33.51	33.01	30.68	32.57	34.35	35.55	34.20	34.20
Collateral contacts	-	-	-	-	-	-	-	-	-	-	-	-
Attending ISP Meetings	0.23	0.45	0.68	0.23	0.23	0.22	-	0.22	0.22	-	-	-
Travel time (between participants)	-	2.03	2.03	-	-	-	-	-	-	-	-	-
Transporting participants	-	-	-	-	-	-	-	-	-	-	-	-
Program set-up/ clean-up	-	-	-	2.25	1.13	-	-	-	-	-	-	-
Program development	-		-	-	-	1.34	1.32	1.78	-	-	-	-
Meeting preparation	-		-	-	-	-	-	-	-	-	-	-
Missed appointments	0.45	_	-	-	-	-	0.44	-	-	-	-	-
Recordkeeping and reporting	0.45	0.68	0.90	0.45	0.45	0.45	2.21	0.45	0.45	-	-	-
Employer and one-on-one supervision time	0.68	0.68	0.68	0.68	0.68	0.67	0.66	0.67	0.67	0.45	1.80	1.80
Training	0.46	0.46	0.46	0.46	0.46	0.77	1.15	0.77	0.77	0.46	0.46	0.46
Paid time off	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54
Total	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00