

Table S1. Error in Respiratory Rate Estimation using Different Window Sizes for each Subject

S1	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.23	6.39	1.78	0.84	0.58	1.11	2.37	1.62	0.64
RMSE	7.31	6.62	2.24	1.14	0.79	1.68	3.08	2.15	0.93
S2	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.95	3.30	1.76	0.88	0.50	0.68	1.34	1.56	0.43
RMSE	8.12	3.45	1.92	1.00	0.63	0.91	1.66	1.69	0.57
S3	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.41	2.16	0.61	1.15	1.73	2.64	3.46	0.60	1.90
RMSE	7.49	2.52	0.88	1.27	1.83	2.69	3.56	0.79	1.99
S4	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.11	5.28	4.14	3.07	2.45	1.83	2.48	3.85	2.25
RMSE	7.83	5.85	5.00	3.76	3.27	2.61	2.64	4.64	3.05
S5	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	12.14	8.26	7.12	6.39	5.44	4.42	3.40	7.00	5.19
RMSE	12.38	8.63	7.50	6.85	5.73	4.72	4.00	7.38	5.42
S6	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	3.94	1.39	3.06	4.20	4.78	5.46	6.04	3.29	4.91
RMSE	4.00	1.46	3.09	4.22	4.80	5.47	6.06	3.31	4.93
S7	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE		8.15	6.50	5.32	4.58	3.29	3.06	6.26	4.36
RMSE		8.17	6.53	5.37	4.72	3.83	3.28	6.29	4.54
S8	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE		4.66	3.20	2.12	1.54	1.59	2.56	2.96	1.48
RMSE		4.72	3.27	2.21	1.63	1.66	2.98	3.03	1.54
S9	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE		8.51	6.78	5.51	4.71	3.35	3.11	6.54	4.49
RMSE		8.54	6.82	5.57	4.85	3.95	3.31	6.58	4.66
S10	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.51	6.09	4.37	3.12	2.34	1.61	1.96	4.08	2.08
RMSE	8.56	6.43	4.67	3.33	2.53	1.74	2.01	4.33	2.27
S11	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.06	2.80	1.52	1.00	1.17	1.90	2.40	1.35	1.30

RMSE	7.41	3.08	2.00	1.68	1.86	2.45	2.83	1.87	1.97
S12	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	1.75	3.54	4.89	5.96	6.46	7.18	7.65	5.11	6.56
RMSE	2.31	3.86	5.17	6.14	6.61	7.26	7.73	5.37	6.70
S13	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE									
RMSE									

S14	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	5.40	4.58	3.24	2.29	1.70	2.24	3.12	3.07	1.73
RMSE	6.44	5.74	4.30	3.10	2.31	2.56	3.83	4.11	2.24
S15	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	5.40	1.70	1.17	1.36	1.54	1.68	1.83	1.15	1.56
RMSE	5.76	2.23	1.61	1.61	1.81	1.83	1.97	1.53	1.81
S16	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	1.14	3.11	4.42	5.30	5.76	6.31	6.69	4.60	5.87
RMSE	1.62	3.21	4.45	5.32	5.77	6.32	6.71	4.62	5.88
S17	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	9.01	7.82	6.35	4.76	4.07	2.94	1.88	6.04	3.90
RMSE	9.14	8.17	6.65	4.95	4.26	3.23	2.47	6.31	4.10
S18	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	6.97	9.39	10.19	10.72	10.91	10.98	10.79	10.29	10.93
RMSE	7.04	9.41	10.20	10.73	10.92	11.00	10.83	10.30	10.94
S19	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	6.96	2.15	2.12	3.00	3.78	4.35	4.43	2.29	3.87
RMSE	7.80	2.77	2.62	3.35	4.01	4.54	4.60	2.74	4.08
S20	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	11.39	7.46	5.78	4.60	3.89	2.98	1.89	5.55	3.74
RMSE	11.50	7.68	5.93	4.70	3.96	3.15	2.39	5.69	3.80
S21	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	2.18	2.37	3.11	3.84	4.26	4.90	5.56	3.22	4.37
RMSE	2.96	2.75	3.49	4.10	4.46	5.05	5.68	3.59	4.56
S22	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64

S33	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE									
RMSE									
S34	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	10.10	5.93	4.13	2.93	2.32	1.46	1.59	3.84	2.16
RMSE	10.39	6.17	4.39	3.18	2.56	1.84	1.68	4.07	2.40
S35	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	6.52	3.01	1.91	1.11	0.96	1.20	1.63	1.73	0.98
RMSE	6.90	3.66	2.83	1.75	1.31	1.39	1.98	2.64	1.27
S36	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.98	4.79	2.76	1.38	0.70	0.72	1.49	2.48	0.60
RMSE	8.09	4.89	2.88	1.56	0.95	0.89	1.87	2.61	0.83
S37	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.36	2.91	1.26	0.72	0.90	1.54	2.55	1.08	1.01
RMSE	7.52	3.32	1.66	0.86	1.10	1.94	3.01	1.46	1.23
S38	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.74	6.40	5.20	3.57	2.67	1.57	1.06	4.85	2.41
RMSE	9.00	6.99	6.03	4.16	3.16	1.84	1.24	5.70	2.83
S39	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	10.24	8.77	7.03	5.74	5.05	4.13	2.94	6.77	4.91
RMSE	11.12	9.10	7.36	5.93	5.16	4.33	3.38	7.07	5.04

S40	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	3.53	3.60	3.80	2.34	1.72	1.70	2.77	3.72	1.58
RMSE	4.46	4.83	5.11	3.05	2.30	2.06	2.97	4.97	2.12
S41	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	9.30	6.02	4.55	4.57	4.68	5.27	4.30	4.32	4.67
RMSE	9.88	6.48	5.24	5.42	5.62	6.10	4.87	5.02	5.64
S42	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	1.59	1.09	0.90	0.75	0.73	0.96	1.43	0.86	0.75
RMSE	1.81	1.22	1.01	0.84	0.79	1.00	1.58	0.94	0.80
S43	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	7.59	3.45	1.99	1.20	1.02	1.45	2.27	1.77	1.02
RMSE	7.92	4.03	2.46	1.44	1.34	1.88	2.65	2.21	1.38

S44	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	1.35	1.47	1.64	1.74	1.68	1.83	1.49	1.60	1.64
RMSE	2.05	2.58	2.99	3.19	2.84	2.79	1.91	2.91	2.74
S45	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	6.15	8.79	9.07	8.33	8.31	5.27	5.78	8.49	7.23
RMSE	7.55	9.62	9.76	9.34	9.26	7.75	6.57	9.35	8.61
S46	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	3.99	4.24	4.32	4.24	4.06	4.16	4.56	4.33	4.05
RMSE	5.22	5.29	5.27	5.05	4.63	4.49	4.69	5.26	4.57
S47	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	2.62	3.16	3.40	3.57	3.84	4.37	5.30	3.46	3.94
RMSE	2.94	3.28	3.46	3.61	3.87	4.48	5.53	3.50	3.97
S48	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	2.69	2.66	2.70	2.71	2.80	3.15	3.72	2.71	2.88
RMSE	3.14	3.04	3.03	3.00	3.08	3.51	4.12	3.04	3.18
S49	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	8.33	6.80	4.98	3.57	2.81	1.47	1.66	4.73	2.51
RMSE	9.34	7.06	5.28	3.88	3.11	1.87	1.72	5.02	2.85
S50	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	12.08	10.33	8.67	8.11	7.50	6.49	4.79	8.98	7.34
RMSE	12.12	10.45	8.83	8.34	7.69	6.77	5.38	9.24	7.54
S51	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE		7.51	9.64	8.35	7.54	6.11	3.88	9.39	7.30
RMSE		8.20	9.67	8.40	7.67	6.59	5.26	9.42	7.47
S52	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	4.91	5.16	5.27	5.37	5.41	5.52	5.72	5.30	5.43
RMSE	4.96	5.18	5.29	5.37	5.41	5.53	5.74	5.31	5.44

S53	WIN_10	WIN_20	WIN_30	WIN_45	WIN_60	WIN_90	WIN_120	WIN_32	WIN_64
MAE	2.88	2.10	1.77	1.83	1.96	2.02	2.48	1.77	2.03
RMSE	3.89	2.94	2.25	2.13	2.21	2.24	2.82	2.19	2.26