

## *Supplementary Data*

### **Feeling sleepy? Stop Driving - Awareness of Fall Asleep Crashes**

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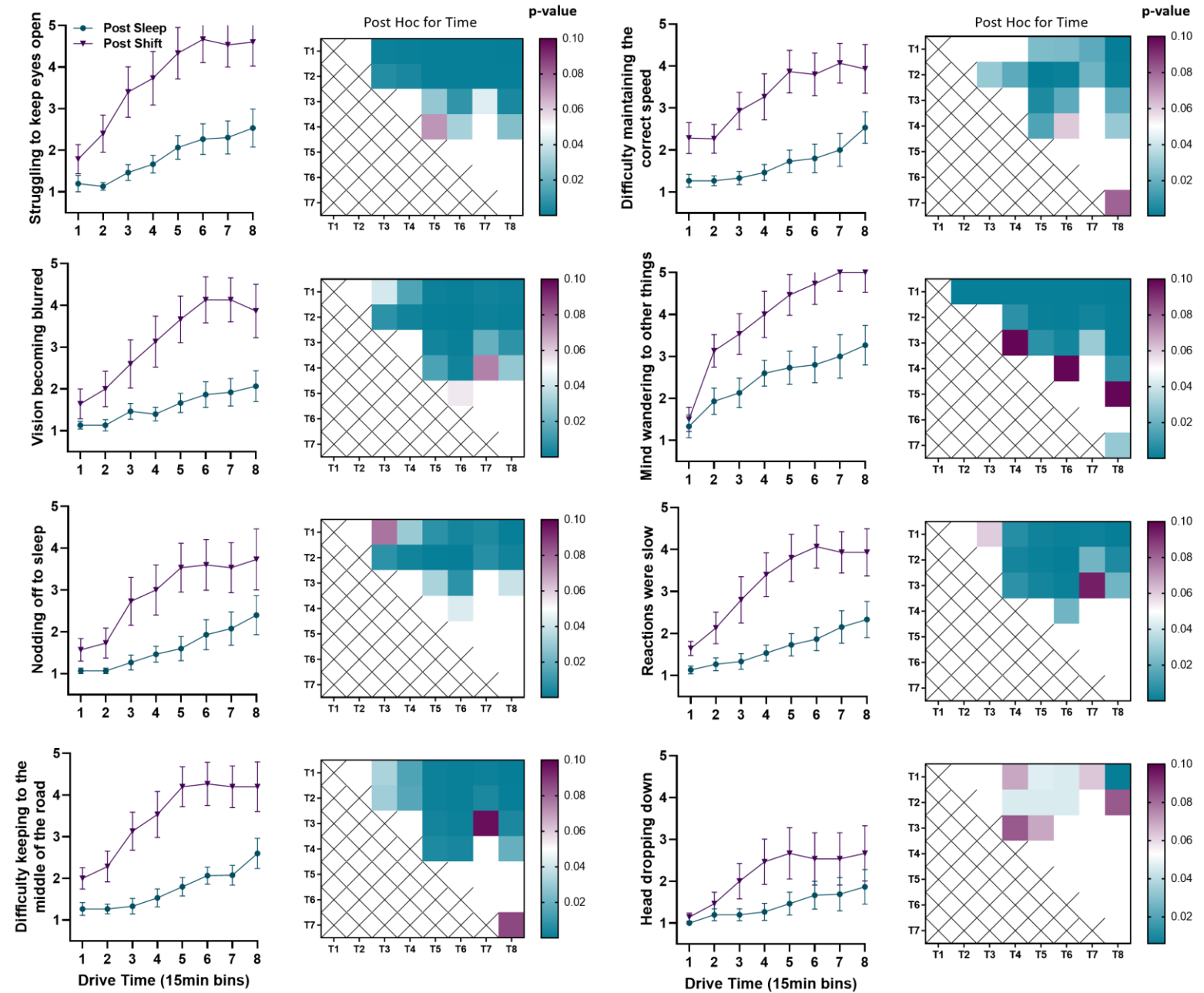
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*Supplementary Data 1*

# Supplementary Data



**Figure S1: Effect of night shift on self-reported behavioural signs of sleepiness.** Post night shift drives led to increase in all behavioural signs [all  $p < 0.001$ , except blurred vision ( $p = 0.007$ ) head dropping ( $p = 0.03$ )]. Effect of drive time observed for all variables [all  $p < 0.001$ , except head dropping ( $p = 0.004$ )]. Interaction observed between nightshift and drive time for difficulty keeping to middle of road ( $p = 0.041$ ) and mind wandering ( $p = 0.008$ ), such that the night shift led to increased severity of these behaviours over the course of the drive. All others not significant ( $p > 0.079$ ).

*Supplementary Data 2*

## Subjective versus Braking Events

*Sensitivity and Specificity for each Threshold*

KSS vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	1.00	0.5407 to 1.000	0.14	0.09830 to 0.1996	0.144
2.5	1.00	0.5407 to 1.000	0.37	0.3045 to 0.4419	0.371
3.5	1.00	0.5407 to 1.000	0.55	0.4781 to 0.6194	0.550
4.5	1.00	0.5407 to 1.000	0.63	0.5632 to 0.7002	0.634
5.5	1.00	0.5407 to 1.000	0.70	0.6296 to 0.7605	0.698
<b>6.5</b>	<b>1.00</b>	<b>0.5407 to 1.000</b>	<b>0.75</b>	<b>0.6870 to 0.8104</b>	<b>0.753</b>
7.5	0.83	0.3588 to 0.9958	0.84	0.7838 to 0.8890	0.675
8.5	0.33	0.04327 to 0.7772	0.93	0.8864 to 0.9616	0.264

LFA vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	1.00	0.5407 to 1.000	0.49	0.4193 to 0.5612	0.490
<b>2.5</b>	<b>1.00</b>	<b>0.5407 to 1.000</b>	<b>0.75</b>	<b>0.6818 to 0.8059</b>	<b>0.748</b>
3.5	0.33	0.04327 to 0.7772	0.85	0.7893 to 0.8933	0.180
4.5	0.33	0.04327 to 0.7772	0.91	0.8570 to 0.9424	0.239

SSQ1 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	1.00	0.5407 to 1.000	0.46	0.3854 to 0.5268	0.455
2.5	1.00	0.5407 to 1.000	0.69	0.6245 to 0.7559	0.693
3.5	0.83	0.3588 to 0.9958	0.81	0.7511 to 0.8633	0.645
4.5	0.83	0.3588 to 0.9958	0.85	0.7948 to 0.8975	0.685
<b>5.5</b>	<b>0.83</b>	<b>0.3588 to 0.9958</b>	<b>0.91</b>	<b>0.8570 to 0.9424</b>	<b>0.739</b>
6.5	0.33	0.04327 to 0.7772	0.94	0.8985 to 0.9689	0.274

SSQ2 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	1.00	0.5407 to 1.000	0.58	0.5129 to 0.6529	0.584
<b>2.5</b>	<b>1.00</b>	<b>0.5407 to 1.000</b>	<b>0.77</b>	<b>0.7029 to 0.8238</b>	<b>0.767</b>
3.5	0.83	0.3588 to 0.9958	0.85	0.7893 to 0.8933	0.680
4.5	0.83	0.3588 to 0.9958	0.89	0.8341 to 0.9264	0.719
5.5	0.50	0.1181 to 0.8819	0.94	0.8985 to 0.9689	0.441
6.5	0.00	0.0 to 0.4593	0.97	0.9365 to 0.9890	-0.030

SSQ3 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
<b>1.5</b>	<b>1.00</b>	<b>0.5407 to 1.000</b>	<b>0.64</b>	<b>0.5682 to 0.7049</b>	<b>0.639</b>
2.5	0.83	0.3588 to 0.9958	0.79	0.7295 to 0.8458	0.625
3.5	0.67	0.2228 to 0.9567	0.87	0.8171 to 0.9142	0.538
4.5	0.50	0.1181 to 0.8819	0.90	0.8512 to 0.9385	0.401
5.5	0.33	0.04327 to 0.7772	0.93	0.8805 to 0.9578	0.259
6.5	0.00	0.0 to 0.4593	0.98	0.9432 to 0.9919	-0.025

SSQ4 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	1.00	0.5407 to 1.000	0.39	0.3186 to 0.4570	0.386
2.5	0.83	0.3588 to 0.9958	0.66	0.5937 to 0.7282	0.497
3.5	0.83	0.3588 to 0.9958	0.83	0.7728 to 0.8805	0.665
<b>4.5</b>	<b>0.83</b>	<b>0.3588 to 0.9958</b>	<b>0.90</b>	<b>0.8512 to 0.9385</b>	<b>0.734</b>
5.5	0.50	0.1181 to 0.8819	0.94	0.8925 to 0.9653	0.436
6.5	0.17	0.004211 to 0.6412	0.98	0.9432 to 0.9919	0.142

SSQ5 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.83	0.3588 to 0.9958	0.45	0.3758 to 0.5169	0.279
2.5	0.83	0.3588 to 0.9958	0.68	0.6090 to 0.7421	0.512
<b>3.5</b>	<b>0.83</b>	<b>0.3588 to 0.9958</b>	<b>0.84</b>	<b>0.7838 to 0.8890</b>	<b>0.675</b>
4.5	0.67	0.2228 to 0.9567	0.89	0.8398 to 0.9305	0.558
5.5	0.33	0.04327 to 0.7772	0.96	0.9235 to 0.9827	0.294
6.5	0.00	0.0 to 0.4593	0.98	0.9501 to 0.9946	-0.020

SSQ6 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	1.00	0.5407 to 1.000	0.30	0.2349 to 0.3652	0.297
2.5	0.83	0.3588 to 0.9958	0.59	0.5179 to 0.6577	0.422
3.5	0.83	0.3588 to 0.9958	0.70	0.6348 to 0.7651	0.536
4.5	0.83	0.3588 to 0.9958	0.80	0.7349 to 0.8502	0.630
<b>5.5</b>	<b>0.83</b>	<b>0.3588 to 0.9958</b>	<b>0.89</b>	<b>0.8398 to 0.9305</b>	<b>0.724</b>
6.5	0.33	0.04327 to 0.7772	0.96	0.9235 to 0.9827	0.294

SSQ7 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	1.00	0.5407 to 1.000	0.48	0.4047 to 0.5465	0.475
2.5	0.83	0.3588 to 0.9958	0.74	0.6765 to 0.8014	0.576
<b>3.5</b>	<b>0.83</b>	<b>0.3588 to 0.9958</b>	<b>0.86</b>	<b>0.8004 to 0.9017</b>	<b>0.690</b>
4.5	0.50	0.1181 to 0.8819	0.89	0.8398 to 0.9305	0.391
5.5	0.17	0.004211 to 0.6412	0.94	0.8925 to 0.9653	0.102
6.5	0.00	0.0 to 0.4593	0.98	0.9432 to 0.9919	-0.025

SSQ8 vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.50	0.1181 to 0.8819	0.75	0.6870 to 0.8104	0.253
<b>2.5</b>	<b>0.50</b>	<b>0.1181 to 0.8819</b>	<b>0.88</b>	<b>0.8227 to 0.9183</b>	<b>0.376</b>
3.5	0.17	0.004211 to 0.6412	0.91	0.8628 to 0.9463	0.078
4.5	0.17	0.004211 to 0.6412	0.93	0.8805 to 0.9578	0.092
5.5	0.00	0.0 to 0.4593	0.96	0.9171 to 0.9794	-0.045
6.5	0.00	0.0 to 0.4593	0.98	0.9501 to 0.9946	-0.020

SSQG vs Braking Events					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
8.5	1.00	0.5407 to 1.000	0.15	0.1067 to 0.2107	0.154
9.5	1.00	0.5407 to 1.000	0.25	0.1896 to 0.3130	0.248
10.5	1.00	0.5407 to 1.000	0.35	0.2811 to 0.4165	0.347
11.5	1.00	0.5407 to 1.000	0.43	0.3614 to 0.5020	0.431
12.5	1.00	0.5407 to 1.000	0.49	0.4144 to 0.5563	0.485
13.5	1.00	0.5407 to 1.000	0.53	0.4633 to 0.6050	0.535
14.5	1.00	0.5407 to 1.000	0.58	0.5079 to 0.6481	0.579
15.5	1.00	0.5407 to 1.000	0.61	0.5430 to 0.6814	0.614
16.5	0.83	0.3588 to 0.9958	0.63	0.5581 to 0.6955	0.462
17.5	0.83	0.3588 to 0.9958	0.66	0.5937 to 0.7282	0.497
18.5	0.83	0.3588 to 0.9958	0.71	0.6400 to 0.7696	0.541
19.5	0.83	0.3588 to 0.9958	0.73	0.6660 to 0.7923	0.566
20.5	0.83	0.3588 to 0.9958	0.74	0.6765 to 0.8014	0.576
21.5	0.83	0.3588 to 0.9958	0.76	0.6923 to 0.8148	0.591
22.5	0.83	0.3588 to 0.9958	0.80	0.7403 to 0.8546	0.635
23.5	0.83	0.3588 to 0.9958	0.81	0.7511 to 0.8633	0.645
24.5	0.83	0.3588 to 0.9958	0.84	0.7783 to 0.8848	0.670
26	0.83	0.3588 to 0.9958	0.85	0.7948 to 0.8975	0.685
27.5	0.83	0.3588 to 0.9958	0.87	0.8115 to 0.9100	0.700
28.5	0.83	0.3588 to 0.9958	0.87	0.8171 to 0.9142	0.705
30	0.83	0.3588 to 0.9958	0.89	0.8341 to 0.9264	0.719
<b>33.5</b>	<b>0.83</b>	<b>0.3588 to 0.9958</b>	<b>0.90</b>	<b>0.8455 to 0.9345</b>	<b>0.729</b>
36.5	0.67	0.2228 to 0.9567	0.90	0.8512 to 0.9385	0.568
37.5	0.67	0.2228 to 0.9567	0.91	0.8570 to 0.9424	0.573
38.5	0.67	0.2228 to 0.9567	0.91	0.8628 to 0.9463	0.578
40	0.50	0.1181 to 0.8819	0.91	0.8628 to 0.9463	0.411
41.5	0.33	0.04327 to 0.7772	0.92	0.8746 to 0.9540	0.254
42.5	0.33	0.04327 to 0.7772	0.93	0.8864 to 0.9616	0.264
43.5	0.33	0.04327 to 0.7772	0.95	0.9047 to 0.9725	0.279
44.5	0.17	0.004211 to 0.6412	0.95	0.9108 to 0.9760	0.117
46.5	0.17	0.004211 to 0.6412	0.97	0.9299 to 0.9860	0.132
48.5	0.00	0.0 to 0.4593	0.97	0.9365 to 0.9890	-0.030
51	0.00	0.0 to 0.4593	0.98	0.9432 to 0.9919	-0.025
54.5	0.00	0.0 to 0.4593	0.98	0.9501 to 0.9946	-0.020

## Subjective versus Lane Deviations

*Sensitivity and Specificity for each Threshold*

KSS vs Lane Deviations					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.927	0.8367 to 0.9757	0.171	0.1130 to 0.2442	0.098
2.5	0.779	0.6624 to 0.8710	0.429	0.3453 to 0.5149	0.208
3.5	0.603	0.4770 to 0.7197	0.600	0.5139 to 0.6818	0.203
<b>4.5</b>	<b>0.544</b>	<b>0.4188 to 0.6655</b>	<b>0.693</b>	<b>0.6094 to 0.7680</b>	<b>0.237</b>
5.5	0.471	0.3483 to 0.5955	0.750	0.6698 to 0.8193	0.221
6.5	0.397	0.2803 to 0.5230	0.793	0.7162 to 0.8567	0.190
7.5	0.235	0.1409 to 0.3538	0.850	0.7799 to 0.9047	0.085
8.5	0.118	0.05218 to 0.2187	0.943	0.8905 to 0.9750	0.061

LFA vs Lane Deviations					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.574	0.4477 to 0.6928	0.500	0.4144 to 0.5856	0.074
<b>2.5</b>	<b>0.382</b>	<b>0.2671 to 0.5082</b>	<b>0.779</b>	<b>0.7007 to 0.8443</b>	<b>0.161</b>
3.5	0.221	0.1290 to 0.3376	0.871	0.8044 to 0.9220	0.092
4.5	0.132	0.06235 to 0.2364	0.914	0.8551 to 0.9549	0.047

SSQ1 vs Lane Deviations					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
<b>1.5</b>	<b>0.662</b>	<b>0.5368 to 0.7721</b>	<b>0.493</b>	<b>0.4074 to 0.5786</b>	<b>0.155</b>
2.5	0.397	0.2803 to 0.5230	0.707	0.6243 to 0.7809	0.104
3.5	0.309	0.2024 to 0.4326	0.843	0.7718 to 0.8988	0.152
4.5	0.221	0.1290 to 0.3376	0.857	0.7880 to 0.9105	0.078
5.5	0.118	0.05218 to 0.2187	0.886	0.8210 to 0.9332	0.003
6.5	0.088	0.03307 to 0.1822	0.943	0.8905 to 0.9750	0.031

SSQ2 vs Lane Deviations					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
<b>1.5</b>	<b>0.544</b>	<b>0.4188 to 0.6655</b>	<b>0.621</b>	<b>0.5356 to 0.7020</b>	<b>0.165</b>
2.5	0.353	0.2408 to 0.4783	0.793	0.7162 to 0.8567	0.146
3.5	0.250	0.1529 to 0.3698	0.864	0.7962 to 0.9163	0.114
4.5	0.206	0.1174 to 0.3212	0.900	0.8379 to 0.9442	0.106
5.5	0.118	0.05218 to 0.2187	0.950	0.8997 to 0.9797	0.068
6.5	0.059	0.01626 to 0.1438	0.986	0.9493 to 0.9983	0.045

SSQ3 vs Lane Deviations					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
<b>1.5</b>	<b>0.500</b>	<b>0.3762 to 0.6238</b>	<b>0.679</b>	<b>0.5945 to 0.7549</b>	<b>0.179</b>
2.5	0.279	0.1773 to 0.4015	0.800	0.7241 to 0.8628	0.079
3.5	0.191	0.1059 to 0.3047	0.879	0.8127 to 0.9276	0.070
4.5	0.162	0.08362 to 0.2710	0.914	0.8551 to 0.9549	0.076
5.5	0.132	0.06235 to 0.2364	0.943	0.8905 to 0.9750	0.075
6.5	0.044	0.009192 to 0.1236	0.986	0.9493 to 0.9983	0.030



SSQ4 vs Lane Deviations						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.5	<b>0.750</b>	<b>0.6302 to 0.8471</b>	<b>0.436</b>	<b>0.3522 to 0.5220</b>	<b>0.186</b>	
2.5	0.427	0.3072 to 0.5523	0.686	0.6019 to 0.7615	0.112	
3.5	0.265	0.1650 to 0.3857	0.850	0.7799 to 0.9047	0.115	
4.5	0.177	0.09465 to 0.2880	0.907	0.8464 to 0.9496	0.084	
5.5	0.074	0.02431 to 0.1633	0.921	0.8638 to 0.9601	-	0.005
6.5	0.029	0.003582 to 0.1022	0.971	0.9285 to 0.9922	0.001	

SSQ5 vs Lane Deviations						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.5	<b>0.632</b>	<b>0.5067 to 0.7461</b>	<b>0.471</b>	<b>0.3866 to 0.5575</b>	<b>0.104</b>	
2.5	0.397	0.2803 to 0.5230	0.693	0.6094 to 0.7680	0.090	
3.5	0.221	0.1290 to 0.3376	0.843	0.7718 to 0.8988	0.063	
4.5	0.177	0.09465 to 0.2880	0.900	0.8379 to 0.9442	0.077	
5.5	0.044	0.009192 to 0.1236	0.950	0.8997 to 0.9797	-	0.006
6.5	0.029	0.003582 to 0.1022	0.986	0.9493 to 0.9983	0.015	

SSQ6 vs Lane Deviations						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.5	0.691	0.5674 to 0.7976	0.279	0.2062 to 0.3606	-	0.030
2.5	<b>0.485</b>	<b>0.3622 to 0.6097</b>	<b>0.607</b>	<b>0.5211 to 0.6885</b>	<b>0.092</b>	
3.5	0.368	0.2539 to 0.4933	0.714	0.6319 to 0.7874	0.082	
4.5	0.250	0.1529 to 0.3698	0.793	0.7162 to 0.8567	0.043	
5.5	0.147	0.07284 to 0.2539	0.879	0.8127 to 0.9276	0.026	
6.5	0.059	0.01626 to 0.1438	0.957	0.9091 to 0.9841	0.016	

SSQ7 vs Lane Deviations						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.5	<b>0.603</b>	<b>0.4770 to 0.7197</b>	<b>0.493</b>	<b>0.4074 to 0.5786</b>	<b>0.096</b>	
2.5	0.324	0.2151 to 0.4479	0.750	0.6698 to 0.8193	0.074	
3.5	0.206	0.1174 to 0.3212	0.857	0.7880 to 0.9105	0.063	
4.5	0.177	0.09465 to 0.2880	0.907	0.8464 to 0.9496	0.084	
5.5	0.118	0.05218 to 0.2187	0.957	0.9091 to 0.9841	0.075	
6.5	0.044	0.009192 to 0.1236	0.986	0.9493 to 0.9983	0.030	

SSQ8 vs Lane Deviations						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.5	<b>0.353</b>	<b>0.2408 to 0.4783</b>	<b>0.793</b>	<b>0.7162 to 0.8567</b>	<b>0.146</b>	
2.5	0.177	0.09465 to 0.2880	0.886	0.8210 to 0.9332	0.062	
3.5	0.147	0.07284 to 0.2539	0.936	0.8815 to 0.9702	0.083	
4.5	0.118	0.05218 to 0.2187	0.943	0.8905 to 0.9750	0.061	
5.5	0.059	0.01626 to 0.1438	0.964	0.9186 to 0.9883	0.023	
6.5	0.029	0.003582 to 0.1022	0.986	0.9493 to 0.9983	0.015	

SSQG vs Lane Deviations						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
8.5	0.882	0.7813 to 0.9478	0.164	0.1071 to 0.2362	0.047	
9.5	0.853	0.7461 to 0.9272	0.286	0.2126 to 0.3681	0.139	
10.5	0.794	0.6788 to 0.8826	0.400	0.3182 to 0.4861	0.194	
<b>11.5</b>	<b>0.750</b>	<b>0.6302 to 0.8471</b>	<b>0.500</b>	<b>0.4144 to 0.5856</b>	<b>0.250</b>	
12.5	0.632	0.5067 to 0.7461	0.521	0.4354 to 0.6065	0.154	
13.5	0.588	0.4623 to 0.7063	0.571	0.4851 to 0.6547	0.160	
14.5	0.529	0.4045 to 0.6517	0.607	0.5211 to 0.6885	0.137	
15.5	0.515	0.3903 to 0.6378	0.650	0.5649 to 0.7286	0.165	
16.5	0.485	0.3622 to 0.6097	0.664	0.5796 to 0.7418	0.150	
17.5	0.412	0.2937 to 0.5377	0.679	0.5945 to 0.7549	0.090	
18.5	0.368	0.2539 to 0.4933	0.721	0.6394 to 0.7938	0.089	
19.5	0.338	0.2279 to 0.4632	0.743	0.6622 to 0.8129	0.081	
20.5	0.338	0.2279 to 0.4632	0.757	0.6775 to 0.8256	0.095	
21.5	0.338	0.2279 to 0.4632	0.779	0.7007 to 0.8443	0.117	
22.5	0.279	0.1773 to 0.4015	0.814	0.7398 to 0.8750	0.094	
23.5	0.250	0.1529 to 0.3698	0.814	0.7398 to 0.8750	0.064	
24.5	0.235	0.1409 to 0.3538	0.843	0.7718 to 0.8988	0.078	
26.0	0.206	0.1174 to 0.3212	0.850	0.7799 to 0.9047	0.056	
27.5	0.191	0.1059 to 0.3047	0.864	0.7962 to 0.9163	0.055	
28.5	0.191	0.1059 to 0.3047	0.871	0.8044 to 0.9220	0.063	
30.0	0.177	0.09465 to 0.2880	0.886	0.8210 to 0.9332	0.062	
33.5	0.162	0.08362 to 0.2710	0.893	0.8294 to 0.9388	0.055	
36.5	0.162	0.08362 to 0.2710	0.907	0.8464 to 0.9496	0.069	
37.5	0.162	0.08362 to 0.2710	0.914	0.8551 to 0.9549	0.076	
38.5	0.147	0.07284 to 0.2539	0.914	0.8551 to 0.9549	0.061	
40.0	0.147	0.07284 to 0.2539	0.921	0.8638 to 0.9601	0.069	
41.5	0.132	0.06235 to 0.2364	0.936	0.8815 to 0.9702	0.068	
42.5	0.118	0.05218 to 0.2187	0.943	0.8905 to 0.9750	0.061	
43.5	0.088	0.03307 to 0.1822	0.950	0.8997 to 0.9797	0.038	
44.5	0.074	0.02431 to 0.1633	0.957	0.9091 to 0.9841	0.031	
46.5	0.059	0.01626 to 0.1438	0.971	0.9285 to 0.9922	0.030	
48.5	0.044	0.009192 to 0.1236	0.979	0.9387 to 0.9956	0.023	
51.0	0.044	0.009192 to 0.1236	0.986	0.9493 to 0.9983	0.030	
54.5	0.029	0.003582 to 0.1022	0.986	0.9493 to 0.9983	0.015	

## Subjective versus JDS Critical Scores (4.5+)

Sensitivity and Specificity for each Threshold

KSS vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	1.000	0.8049 to 1.000	0.152	0.1041 to 0.2107	0.152	
2.500	1.000	0.8049 to 1.000	0.387	0.3180 to 0.4605	0.387	
3.500	0.941	0.7131 to 0.9985	0.571	0.4972 to 0.6419	0.512	
4.500	0.882	0.6356 to 0.9854	0.649	0.5770 to 0.7167	0.532	
5.500	0.824	0.5657 to 0.9620	0.723	0.6533 to 0.7847	0.546	
<b>6.500</b>	<b>0.824</b>	<b>0.5657 to 0.9620</b>	<b>0.780</b>	<b>0.7146 to 0.8367</b>	<b>0.604</b>	
7.500	0.647	0.3833 to 0.8579	0.869	0.8129 to 0.9135	0.516	
8.500	0.353	0.1421 to 0.6167	0.948	0.9058 to 0.9746	0.301	

LFA vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	0.941	0.7131 to 0.9985	0.508	0.4347 to 0.5808	0.449	
<b>2.500</b>	<b>0.706</b>	<b>0.4404 to 0.8969</b>	<b>0.764</b>	<b>0.6977 to 0.8227</b>	<b>0.470</b>	
3.500	0.471	0.2298 to 0.7219	0.869	0.8129 to 0.9135	0.340	
4.500	0.294	0.1031 to 0.5596	0.916	0.8675 to 0.9514	0.210	

SSQ1 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	1.000	0.8049 to 1.000	0.471	0.3987 to 0.5446	0.471	
<b>2.500</b>	<b>0.941</b>	<b>0.7131 to 0.9985</b>	<b>0.723</b>	<b>0.6533 to 0.7847</b>	<b>0.664</b>	
3.500	0.765	0.5010 to 0.9319	0.848	0.7893 to 0.8959	0.613	
4.500	0.765	0.5010 to 0.9319	0.890	0.8369 to 0.9306	0.655	
5.500	0.471	0.2298 to 0.7219	0.922	0.8738 to 0.9554	0.392	
6.500	0.353	0.1421 to 0.6167	0.958	0.9191 to 0.9817	0.311	

SSQ2 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	1.000	0.8049 to 1.000	0.623	0.5502 to 0.6920	0.623	
2.500	0.824	0.5657 to 0.9620	0.801	0.7373 to 0.8552	0.625	
<b>3.500</b>	<b>0.765</b>	<b>0.5010 to 0.9319</b>	<b>0.885</b>	<b>0.8308 to 0.9264</b>	<b>0.650</b>	
4.500	0.588	0.3292 to 0.8156	0.911	0.8613 to 0.9473	0.499	
5.500	0.412	0.1844 to 0.6708	0.958	0.9191 to 0.9817	0.370	
6.500	0.235	0.06811 to 0.4990	0.990	0.9627 to 0.9987	0.225	

SSQ3 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	1.000	0.8049 to 1.000	0.670	0.5986 to 0.7363	0.670	
<b>2.500</b>	<b>0.882</b>	<b>0.6356 to 0.9854</b>	<b>0.838</b>	<b>0.7776 to 0.8870</b>	<b>0.720</b>	
3.500	0.706	0.4404 to 0.8969	0.911	0.8613 to 0.9473	0.617	
4.500	0.706	0.4404 to 0.8969	0.948	0.9058 to 0.9746	0.654	
5.500	0.471	0.2298 to 0.7219	0.958	0.9191 to 0.9817	0.429	
6.500	0.235	0.06811 to 0.4990	0.995	0.9712 to 0.9999	0.230	

SSQ4 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	1.000	0.8049 to 1.000	0.414	0.3430 to 0.4870	0.414	
<b>2.500</b>	<b>1.000</b>	<b>0.8049 to 1.000</b>	<b>0.712</b>	<b>0.6422 to 0.7751</b>	<b>0.712</b>	
3.500	0.706	0.4404 to 0.8969	0.864	0.8069 to 0.9091	0.570	
4.500	0.529	0.2781 to 0.7702	0.916	0.8675 to 0.9514	0.446	
5.500	0.412	0.1844 to 0.6708	0.953	0.9124 to 0.9782	0.365	
6.500	0.235	0.06811 to 0.4990	0.990	0.9627 to 0.9987	0.225	

SSQ5 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	1.000	0.8049 to 1.000	0.487	0.4141 to 0.5601	0.487	
<b>2.500</b>	<b>0.941</b>	<b>0.7131 to 0.9985</b>	<b>0.723</b>	<b>0.6533 to 0.7847</b>	<b>0.664</b>	
3.500	0.706	0.4404 to 0.8969	0.874	0.8188 to 0.9178	0.580	
4.500	0.588	0.3292 to 0.8156	0.922	0.8738 to 0.9554	0.510	
5.500	0.353	0.1421 to 0.6167	0.984	0.9548 to 0.9967	0.337	
6.500	0.177	0.03799 to 0.4343	0.995	0.9712 to 0.9999	0.171	

SSQ6 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	0.941	0.7131 to 0.9985	0.309	0.2442 to 0.3797	0.250	
2.500	0.882	0.6356 to 0.9854	0.623	0.5502 to 0.6920	0.505	
3.500	0.765	0.5010 to 0.9319	0.738	0.6699 to 0.7990	0.503	
4.500	0.765	0.5010 to 0.9319	0.838	0.7776 to 0.8870	0.602	
<b>5.500</b>	<b>0.706</b>	<b>0.4404 to 0.8969</b>	<b>0.932</b>	<b>0.8864 to 0.9633</b>	<b>0.638</b>	
6.500	0.294	0.1031 to 0.5596	0.979	0.9472 to 0.9943	0.273	

SSQ7 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	1.000	0.8049 to 1.000	0.497	0.4244 to 0.5705	0.497	
<b>2.500</b>	<b>0.882</b>	<b>0.6356 to 0.9854</b>	<b>0.785</b>	<b>0.7203 to 0.8413</b>	<b>0.668</b>	
3.500	0.706	0.4404 to 0.8969	0.890	0.8369 to 0.9306	0.596	
4.500	0.647	0.3833 to 0.8579	0.932	0.8864 to 0.9633	0.579	
5.500	0.471	0.2298 to 0.7219	0.969	0.9329 to 0.9884	0.439	
6.500	0.235	0.06811 to 0.4990	0.995	0.9712 to 0.9999	0.230	

SSQ8 vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
1.500	0.882	0.6356 to 0.9854	0.801	0.7373 to 0.8552	0.683	
<b>2.500</b>	<b>0.765</b>	<b>0.5010 to 0.9319</b>	<b>0.927</b>	<b>0.8801 to 0.9593</b>	<b>0.691</b>	
3.500	0.647	0.3833 to 0.8579	0.963	0.9259 to 0.9851	0.611	
4.500	0.588	0.3292 to 0.8156	0.974	0.9400 to 0.9914	0.562	
5.500	0.412	0.1844 to 0.6708	0.995	0.9712 to 0.9999	0.407	
6.500	0.177	0.03799 to 0.4343	0.995	0.9712 to 0.9999	0.171	

SSQG vs JDS 4.5+						
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j	
8.500	1.000	0.8049 to 1.000	0.162	0.1130 to 0.2224	0.162	
9.500	1.000	0.8049 to 1.000	0.257	0.1962 to 0.3246	0.257	
10.500	1.000	0.8049 to 1.000	0.361	0.2932 to 0.4337	0.361	
11.500	1.000	0.8049 to 1.000	0.450	0.3784 to 0.5237	0.450	
12.500	1.000	0.8049 to 1.000	0.513	0.4399 to 0.5859	0.513	
13.500	1.000	0.8049 to 1.000	0.565	0.4920 to 0.6369	0.565	
14.500	1.000	0.8049 to 1.000	0.618	0.5449 to 0.6870	0.618	
15.500	1.000	0.8049 to 1.000	0.660	0.5878 to 0.7265	0.660	
16.500	1.000	0.8049 to 1.000	0.681	0.6095 to 0.7461	0.681	
17.500	0.941	0.7131 to 0.9985	0.707	0.6368 to 0.7703	0.648	
18.500	0.941	0.7131 to 0.9985	0.754	0.6865 to 0.8132	0.695	
19.500	0.882	0.6356 to 0.9854	0.775	0.7090 to 0.8320	0.657	
20.500	0.882	0.6356 to 0.9854	0.785	0.7203 to 0.8413	0.668	
21.500	0.882	0.6356 to 0.9854	0.801	0.7373 to 0.8552	0.683	
22.500	0.882	0.6356 to 0.9854	0.848	0.7893 to 0.8959	0.731	
<b>23.500</b>	<b>0.882</b>	<b>0.6356 to 0.9854</b>	<b>0.859</b>	<b>0.8010 to 0.9047</b>	<b>0.741</b>	
24.500	0.765	0.5010 to 0.9319	0.874	0.8188 to 0.9178	0.639	
26.000	0.765	0.5010 to 0.9319	0.890	0.8369 to 0.9306	0.655	
27.500	0.706	0.4404 to 0.8969	0.901	0.8490 to 0.9390	0.606	
28.500	0.706	0.4404 to 0.8969	0.906	0.8552 to 0.9432	0.612	
30.000	0.706	0.4404 to 0.8969	0.922	0.8738 to 0.9554	0.627	
33.500	0.706	0.4404 to 0.8969	0.932	0.8864 to 0.9633	0.638	
36.500	0.706	0.4404 to 0.8969	0.942	0.8993 to 0.9709	0.648	
37.500	0.647	0.3833 to 0.8579	0.942	0.8993 to 0.9709	0.590	
38.500	0.588	0.3292 to 0.8156	0.942	0.8993 to 0.9709	0.531	
40.000	0.588	0.3292 to 0.8156	0.948	0.9058 to 0.9746	0.536	
41.500	0.529	0.2781 to 0.7702	0.958	0.9191 to 0.9817	0.488	
42.500	0.471	0.2298 to 0.7219	0.963	0.9259 to 0.9851	0.434	
43.500	0.412	0.1844 to 0.6708	0.974	0.9400 to 0.9914	0.386	
44.500	0.412	0.1844 to 0.6708	0.984	0.9548 to 0.9967	0.396	
46.500	0.294	0.1031 to 0.5596	0.984	0.9548 to 0.9967	0.278	
48.500	0.294	0.1031 to 0.5596	0.995	0.9712 to 0.9999	0.289	
51.000	0.235	0.06811 to 0.4990	0.995	0.9712 to 0.9999	0.230	
54.500	0.177	0.03799 to 0.4343	0.995	0.9712 to 0.9999	0.171	

## Subjective versus JDS Moderate Scores (2.7+)

*Sensitivity and Specificity for each Threshold*

KSS vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.932	0.8493 to 0.9777	0.179	0.1183 to 0.2547	0.112
2.5	0.757	0.6431 to 0.8490	0.418	0.3333 to 0.5062	0.175
3.5	0.622	0.5013 to 0.7319	0.612	0.5240 to 0.6948	0.234
<b>4.5</b>	<b>0.595</b>	<b>0.4741 to 0.7073</b>	<b>0.716</b>	<b>0.6321 to 0.7909</b>	<b>0.311</b>
5.5	0.487	0.3685 to 0.6056	0.769	0.6880 to 0.8371	0.255
6.5	0.446	0.3302 to 0.5661	0.828	0.7537 to 0.8880	0.274
7.5	0.351	0.2439 to 0.4711	0.925	0.8670 to 0.9636	0.277
8.5	0.162	0.08670 to 0.2661	0.970	0.9253 to 0.9918	0.132

LFA vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.662	0.5428 to 0.7681	0.545	0.4565 to 0.6310	0.207
<b>2.5</b>	<b>0.473</b>	<b>0.3557 to 0.5925</b>	<b>0.836</b>	<b>0.7620 to 0.8942</b>	<b>0.309</b>
3.5	0.284	0.1850 to 0.4005	0.910	0.8488 to 0.9529	0.194
4.5	0.189	0.1075 to 0.2970	0.948	0.8953 to 0.9787	0.137

SSQ1 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.730	0.6139 to 0.8265	0.522	0.4344 to 0.6093	0.252
<b>2.5</b>	<b>0.554</b>	<b>0.4339 to 0.6698</b>	<b>0.791</b>	<b>0.7124 to 0.8564</b>	<b>0.345</b>
3.5	0.392	0.2804 to 0.5123	0.903	0.8398 to 0.9473	0.295
4.5	0.351	0.2439 to 0.4711	0.940	0.8858 to 0.9739	0.292
5.5	0.230	0.1399 to 0.3421	0.955	0.9051 to 0.9834	0.185
6.5	0.122	0.05715 to 0.2184	0.963	0.9151 to 0.9878	0.084

SSQ2 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
<b>1.5</b>	<b>0.662</b>	<b>0.5428 to 0.7681</b>	<b>0.702</b>	<b>0.6164 to 0.7774</b>	<b>0.364</b>
2.5	0.473	0.3557 to 0.5925	0.873	0.8047 to 0.9243	0.346
3.5	0.365	0.2560 to 0.4849	0.940	0.8858 to 0.9739	0.305
4.5	0.297	0.1966 to 0.4148	0.963	0.9151 to 0.9878	0.260
5.5	0.162	0.08670 to 0.2661	0.978	0.9360 to 0.9954	0.140
6.5	0.068	0.02230 to 0.1507	0.993	0.9591 to 0.9998	0.060

SSQ3 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
<b>1.5</b>	<b>0.608</b>	<b>0.4877 to 0.7196</b>	<b>0.739</b>	<b>0.6559 to 0.8108</b>	<b>0.347</b>
2.5	0.405	0.2927 to 0.5259	0.881	0.8133 to 0.9302	0.286
3.5	0.311	0.2083 to 0.4290	0.955	0.9051 to 0.9834	0.266
4.5	0.257	0.1622 to 0.3716	0.978	0.9360 to 0.9954	0.234
5.5	0.176	0.09699 to 0.2817	0.978	0.9360 to 0.9954	0.153
6.5	0.068	0.02230 to 0.1507	1.000	0.9728 to 1.000	0.068

SSQ4 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.770	0.6579 to 0.8601	0.463	0.3762 to 0.5508	0.233
2.5	<b>0.554</b>	<b>0.4339 to 0.6698</b>	<b>0.769</b>	<b>0.6880 to 0.8371</b>	<b>0.323</b>
3.5	0.378	0.2681 to 0.4987	0.925	0.8670 to 0.9636	0.304
4.5	0.270	0.1735 to 0.3861	0.963	0.9151 to 0.9878	0.233
5.5	0.189	0.1075 to 0.2970	0.985	0.9471 to 0.9982	0.174
6.5	0.081	0.03034 to 0.1682	1.000	0.9728 to 1.000	0.081

SSQ5 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	<b>0.689</b>	<b>0.5710 to 0.7917</b>	<b>0.522</b>	<b>0.4344 to 0.6093</b>	0.212
2.5	0.487	0.3685 to 0.6056	0.754	0.6719 to 0.8240	0.240
3.5	0.324	0.2200 to 0.4432	0.910	0.8488 to 0.9529	0.235
4.5	0.270	0.1735 to 0.3861	0.963	0.9151 to 0.9878	0.233
5.5	0.122	0.05715 to 0.2184	1.000	0.9728 to 1.000	0.122
6.5	0.054	0.01492 to 0.1327	1.000	0.9728 to 1.000	0.054

SSQ6 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.824	0.7183 to 0.9030	0.351	0.2704 to 0.4379	0.175
2.5	<b>0.595</b>	<b>0.4741 to 0.7073</b>	<b>0.679</b>	<b>0.5930 to 0.7571</b>	<b>0.274</b>
3.5	0.432	0.3177 to 0.5528	0.769	0.6880 to 0.8371	0.201
4.5	0.365	0.2560 to 0.4849	0.873	0.8047 to 0.9243	0.238
5.5	0.243	0.1510 to 0.3569	0.948	0.8953 to 0.9787	0.191
6.5	0.108	0.04784 to 0.2020	0.993	0.9591 to 0.9998	0.101

SSQ7 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.676	0.5568 to 0.7800	0.530	0.4418 to 0.6166	0.206
2.5	<b>0.500</b>	<b>0.3814 to 0.6186</b>	<b>0.858</b>	<b>0.7875 to 0.9124</b>	<b>0.358</b>
3.5	0.338	0.2319 to 0.4572	0.940	0.8858 to 0.9739	0.278
4.5	0.257	0.1622 to 0.3716	0.963	0.9151 to 0.9878	0.220
5.5	0.176	0.09699 to 0.2817	0.993	0.9591 to 0.9998	0.168
6.5	0.068	0.02230 to 0.1507	1.000	0.9728 to 1.000	0.068

SSQ8 vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.378	0.2681 to 0.4987	0.813	0.7370 to 0.8755	0.192
2.5	<b>0.284</b>	<b>0.1850 to 0.4005</b>	<b>0.955</b>	<b>0.9051 to 0.9834</b>	<b>0.239</b>
3.5	0.203	0.1181 to 0.3122	0.978	0.9360 to 0.9954	0.180
4.5	0.162	0.08670 to 0.2661	0.978	0.9360 to 0.9954	0.140
5.5	0.108	0.04784 to 0.2020	1.000	0.9728 to 1.000	0.108
6.5	0.054	0.01492 to 0.1327	1.000	0.9728 to 1.000	0.054

SSQG vs JDS 2.7+					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
8.5	0.932	0.8493 to 0.9777	0.194	0.1308 to 0.2712	0.126
9.5	0.851	0.7496 to 0.9234	0.284	0.2091 to 0.3679	0.135
10.5	0.770	0.6579 to 0.8601	0.388	0.3052 to 0.4760	0.158
11.5	0.716	0.5995 to 0.8150	0.485	0.3979 to 0.5729	0.201
12.5	0.662	0.5428 to 0.7681	0.545	0.4565 to 0.6310	0.207
13.5	0.649	0.5289 to 0.7561	0.612	0.5240 to 0.6948	0.260
14.5	0.595	0.4741 to 0.7073	0.657	0.5698 to 0.7365	0.251
15.5	0.581	0.4606 to 0.6949	0.709	0.6243 to 0.7842	0.290
16.5	0.568	0.4472 to 0.6823	0.731	0.6480 to 0.8042	0.299
17.5	0.554	0.4339 to 0.6698	0.769	0.6880 to 0.8371	0.323
18.5	0.527	0.4075 to 0.6443	0.821	0.7453 to 0.8817	0.348
19.5	0.513	0.3944 to 0.6315	0.851	0.7789 to 0.9064	0.364
20.5	0.500	0.3814 to 0.6186	0.858	0.7875 to 0.9124	0.358
21.5	0.487	0.3685 to 0.6056	0.873	0.8047 to 0.9243	0.360
<b>22.5</b>	<b>0.460</b>	<b>0.3429 to 0.5793</b>	<b>0.925</b>	<b>0.8670 to 0.9636</b>	<b>0.385</b>
23.5	0.446	0.3302 to 0.5661	0.933	0.8763 to 0.9688	0.379
24.5	0.392	0.2804 to 0.5123	0.940	0.8858 to 0.9739	0.332
26	0.378	0.2681 to 0.4987	0.955	0.9051 to 0.9834	0.334
27.5	0.338	0.2319 to 0.4572	0.955	0.9051 to 0.9834	0.293
28.5	0.324	0.2200 to 0.4432	0.955	0.9051 to 0.9834	0.280
30	0.297	0.1966 to 0.4148	0.963	0.9151 to 0.9878	0.260
33.5	0.284	0.1850 to 0.4005	0.970	0.9253 to 0.9918	0.254
36.5	0.257	0.1622 to 0.3716	0.970	0.9253 to 0.9918	0.227
37.5	0.243	0.1510 to 0.3569	0.970	0.9253 to 0.9918	0.213
38.5	0.230	0.1399 to 0.3421	0.970	0.9253 to 0.9918	0.200
40	0.216	0.1289 to 0.3272	0.970	0.9253 to 0.9918	0.186
41.5	0.189	0.1075 to 0.2970	0.978	0.9360 to 0.9954	0.167
42.5	0.162	0.08670 to 0.2661	0.978	0.9360 to 0.9954	0.140
43.5	0.122	0.05715 to 0.2184	0.978	0.9360 to 0.9954	0.099
44.5	0.122	0.05715 to 0.2184	0.993	0.9591 to 0.9998	0.114
46.5	0.095	0.03888 to 0.1852	0.993	0.9591 to 0.9998	0.087
48.5	0.081	0.03034 to 0.1682	1.000	0.9728 to 1.000	0.081
51	0.068	0.02230 to 0.1507	1.000	0.9728 to 1.000	0.068
54.5	0.054	0.01492 to 0.1327	1.000	0.9728 to 1.000	0.054



## Subjective versus EEG Microsleep

*Sensitivity and Specificity for each Threshold*

KSS vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.882	0.6830 to 0.9877	0.140	0.09426 to 0.1970	0.022
2.5	0.765	0.5090 to 0.9134	0.363	0.2949 to 0.4348	0.127
3.5	0.706	0.4572 to 0.8811	0.544	0.4710 to 0.6157	0.250
4.5	0.647	0.4078 to 0.8461	0.622	0.5493 to 0.6904	0.269
<b>5.5</b>	<b>0.588</b>	<b>0.3605 to 0.8088</b>	<b>0.694</b>	<b>0.6241 to 0.7584</b>	<b>0.282</b>
6.5	0.471	0.2306 to 0.6847	0.741	0.6731 to 0.8012	0.212
7.5	0.353	0.1539 to 0.5922	0.839	0.7798 to 0.8882	0.192
8.5	0.235	0.08657 to 0.4910	0.938	0.8939 to 0.9675	0.173

LFA vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.765	0.5090 to 0.9134	0.492	0.4192 to 0.5653	0.257
<b>2.5</b>	<b>0.647</b>	<b>0.4078 to 0.8461</b>	<b>0.759</b>	<b>0.6921 to 0.8180</b>	<b>0.406</b>
3.5	0.353	0.1539 to 0.5922	0.859	0.8010 to 0.9047	0.212
4.5	0.235	0.08657 to 0.4910	0.911	0.8613 to 0.9473	0.146

SSQ1 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.882	0.6830 to 0.9877	0.456	0.3843 to 0.5290	0.338
2.5	0.588	0.3605 to 0.8088	0.684	0.6133 to 0.7488	0.272
<b>3.5</b>	<b>0.529</b>	<b>0.3153 to 0.7694</b>	<b>0.824</b>	<b>0.7626 to 0.8748</b>	<b>0.353</b>
4.5	0.412	0.1912 to 0.6395	0.855	0.7972 to 0.9014	0.267
5.5	0.294	0.1189 to 0.5428	0.902	0.8505 to 0.9397	0.196
6.5	0.294	0.1189 to 0.5428	0.953	0.9133 to 0.9785	0.248

SSQ2 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.647	0.4078 to 0.8461	0.591	0.5178 to 0.6608	0.238
<b>2.5</b>	<b>0.529</b>	<b>0.3153 to 0.7694</b>	<b>0.777</b>	<b>0.7119 to 0.8338</b>	<b>0.307</b>
3.5	0.412	0.1912 to 0.6395	0.855	0.7972 to 0.9014	0.267
4.5	0.177	0.05733 to 0.4366	0.876	0.8206 to 0.9187	0.052
5.5	0.118	0.01235 to 0.3170	0.933	0.8876 to 0.9637	0.050
6.5	0.000	0.0 to 0.1684	0.969	0.9336 to 0.9885	-0.031

SSQ3 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
<b>1.5</b>	<b>0.706</b>	<b>0.4572 to 0.8811</b>	<b>0.643</b>	<b>0.5705 to 0.7100</b>	<b>0.348</b>
2.5	0.412	0.1912 to 0.6395	0.793	0.7287 to 0.8476	0.205
3.5	0.294	0.1189 to 0.5428	0.871	0.8147 to 0.9144	0.165
4.5	0.177	0.05733 to 0.4366	0.896	0.8445 to 0.9355	0.073
5.5	0.177	0.05733 to 0.4366	0.933	0.8876 to 0.9637	0.109
6.5	0.000	0.0 to 0.1684	0.974	0.9406 to 0.9915	-0.026

SSQ4 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.647	0.4078 to 0.8461	0.380	0.3113 to 0.4529	0.027
<b>2.5</b>	<b>0.529</b>	<b>0.3153 to 0.7694</b>	<b>0.667</b>	<b>0.5952 to 0.7329</b>	<b>0.196</b>
3.5	0.294	0.1189 to 0.5428	0.823	0.7614 to 0.8741	0.117
4.5	0.177	0.05733 to 0.4366	0.880	0.8257 to 0.9225	0.057
5.5	0.177	0.05733 to 0.4366	0.932	0.8870 to 0.9635	0.109
6.5	0.059	0.001265 to 0.2487	0.974	0.9403 to 0.9915	0.033

SSQ5 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.588	0.3605 to 0.8088	0.446	0.3742 to 0.5187	0.034
2.5	0.353	0.1539 to 0.5922	0.663	0.5918 to 0.7295	0.016
3.5	0.177	0.05733 to 0.4366	0.824	0.7626 to 0.8748	0.000
<b>4.5</b>	<b>0.177</b>	<b>0.05733 to 0.4366</b>	<b>0.886</b>	<b>0.8325 to 0.9272</b>	<b>0.063</b>
5.5	0.000	0.0 to 0.1684	0.953	0.9133 to 0.9785	-0.047
6.5	0.000	0.0 to 0.1684	0.979	0.9478 to 0.9943	-0.021

SSQ6 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.882	0.6830 to 0.9877	0.301	0.2368 to 0.3705	0.183
2.5	0.647	0.4078 to 0.8461	0.596	0.5230 to 0.6657	0.243
<b>3.5</b>	<b>0.529</b>	<b>0.3153 to 0.7694</b>	<b>0.715</b>	<b>0.6458 to 0.7775</b>	<b>0.244</b>
4.5	0.235	0.08657 to 0.4910	0.788	0.7230 to 0.8430	0.023
5.5	0.118	0.01235 to 0.3170	0.881	0.8266 to 0.9229	-0.002
6.5	0.000	0.0 to 0.1684	0.953	0.9133 to 0.9785	-0.047

SSQ7 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.647	0.4078 to 0.8461	0.461	0.3893 to 0.5342	0.108
<b>2.5</b>	<b>0.412</b>	<b>0.1912 to 0.6395</b>	<b>0.741</b>	<b>0.6731 to 0.8012</b>	<b>0.153</b>
3.5	0.177	0.05733 to 0.4366	0.839	0.7798 to 0.8882	0.016
4.5	0.177	0.05733 to 0.4366	0.886	0.8325 to 0.9272	0.063
5.5	0.118	0.01235 to 0.3170	0.938	0.8939 to 0.9675	0.055
6.5	0.000	0.0 to 0.1684	0.974	0.9406 to 0.9915	-0.026

SSQ8 vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
1.5	0.118	0.01235 to 0.3170	0.731	0.6621 to 0.7918	-0.152
2.5	0.059	0.001265 to 0.2487	0.865	0.8089 to 0.9101	-0.076
3.5	0.000	0.0 to 0.1684	0.907	0.8566 to 0.9438	-0.093
4.5	0.000	0.0 to 0.1684	0.922	0.8751 to 0.9558	-0.078
5.5	0.000	0.0 to 0.1684	0.959	0.9200 to 0.9819	-0.042
<b>6.5</b>	<b>0.000</b>	<b>0.0 to 0.1684</b>	<b>0.979</b>	<b>0.9478 to 0.9943</b>	<b>-0.021</b>

SSQG vs EEG Microsleep					
Cutoff >	Sensitivity	95% CI	Specificity	95% CI	youden's j
8.5	0.882	0.6830 to 0.9877	0.150	0.1030 to 0.2086	0.033
9.5	0.882	0.6830 to 0.9877	0.244	0.1848 to 0.3104	0.126
10.5	0.765	0.5090 to 0.9134	0.337	0.2705 to 0.4082	0.102
11.5	0.765	0.5090 to 0.9134	0.425	0.3542 to 0.4979	0.190
12.5	0.706	0.4572 to 0.8811	0.482	0.4095 to 0.5548	0.188
13.5	0.706	0.4572 to 0.8811	0.534	0.4607 to 0.6056	0.240
14.5	0.706	0.4572 to 0.8811	0.591	0.5178 to 0.6608	0.297
<b>15.5</b>	<b>0.706</b>	<b>0.4572 to 0.8811</b>	<b>0.632</b>	<b>0.5599 to 0.7002</b>	<b>0.338</b>
16.5	0.647	0.4078 to 0.8461	0.648	0.5758 to 0.7149	0.295
17.5	0.529	0.3153 to 0.7694	0.668	0.5972 to 0.7343	0.198
18.5	0.529	0.3153 to 0.7694	0.715	0.6458 to 0.7775	0.244
19.5	0.529	0.3153 to 0.7694	0.741	0.6731 to 0.8012	0.270
20.5	0.529	0.3153 to 0.7694	0.751	0.6841 to 0.8106	0.281
21.5	0.529	0.3153 to 0.7694	0.767	0.7007 to 0.8246	0.296
22.5	0.412	0.1912 to 0.6395	0.803	0.7399 to 0.8567	0.215
23.5	0.353	0.1539 to 0.5922	0.808	0.7456 to 0.8613	0.161
24.5	0.294	0.1189 to 0.5428	0.829	0.7683 to 0.8793	0.123
26	0.235	0.08657 to 0.4910	0.839	0.7798 to 0.8882	0.075
27.5	0.235	0.08657 to 0.4910	0.855	0.7972 to 0.9014	0.090
28.5	0.235	0.08657 to 0.4910	0.860	0.8030 to 0.9057	0.095
30	0.177	0.05733 to 0.4366	0.871	0.8147 to 0.9144	0.047
32.5	0.177	0.05733 to 0.4366	0.881	0.8266 to 0.9229	0.057
35	0.177	0.05733 to 0.4366	0.886	0.8325 to 0.9272	0.063
36.5	0.177	0.05733 to 0.4366	0.896	0.8445 to 0.9355	0.073
37.5	0.177	0.05733 to 0.4366	0.902	0.8505 to 0.9397	0.078
38.5	0.177	0.05733 to 0.4366	0.907	0.8566 to 0.9438	0.083
40	0.177	0.05733 to 0.4366	0.912	0.8627 to 0.9478	0.088
41.5	0.177	0.05733 to 0.4366	0.928	0.8813 to 0.9598	0.104
42.5	0.177	0.05733 to 0.4366	0.938	0.8939 to 0.9675	0.114
43.5	0.059	0.001265 to 0.2487	0.943	0.9003 to 0.9712	0.002
44.5	0.000	0.0 to 0.1684	0.948	0.9068 to 0.9749	-0.052
46.5	0.000	0.0 to 0.1684	0.959	0.9200 to 0.9819	-0.042
48.5	0.000	0.0 to 0.1684	0.969	0.9336 to 0.9885	-0.031
51	0.000	0.0 to 0.1684	0.974	0.9406 to 0.9915	-0.026
54.5		0 0.0 to 0.1684	0.9793	0.9478 to 0.9943	-0.0207