

Table 1 Cox models with AIC (time interaction terms for time varying covariates)

Symptom	Covariates	Hazard Ratio (95% CI)	p value	AIC
Abdominal Pain	Immune suppression	0.26 (0.11-0.62)	0.002	654.96
Body aches	Female	1.3 (0.71-2.38)	0.392	1656.88
	Mild initial symptom severity	reference		
	Moderate initial symptom severity	0.5 (0.36-0.68)	<0.001	
	Severe initial symptom severity	0.28 (0.09-0.9)	0.033	
	time*Female	0.9 (0.84-0.96)	0.001	
Chest Tightness	Mild initial symptom severity	reference		996.36
	Moderate initial symptom severity	0.72 (0.49-1.04)	0.076	
	Severe initial symptom severity	0.26 (0.08-0.85)	0.025	
Chills	Female	0.72 (0.52-0.99)	0.047	1522.9
	Mild initial symptom severity	reference		
	Moderate initial symptom severity	0.57 (0.42-0.78)	0.000	
	Severe initial symptom severity	0.36 (0.14-0.91)	0.030	
Confusion	No significant covariates	0.73 (0.22-2.38)	0.600	73.94
Sinus Congestion	Female	0.65 (0.46-0.9)	0.011	1460.06
	Mild initial symptom severity	reference		
	Moderate initial symptom severity	0.59 (0.42-0.83)	0.003	
	Severe initial symptom severity	0.64 (0.16-2.6)	0.531	
Cough	Mild initial symptom severity	reference		1529.85
	Moderate initial symptom severity	0.64 (0.46-0.89)	0.008	
	Severe initial symptom severity	0.24 (0.06-0.96)	0.044	
Diarrhea	Race=White	reference		1195.59
	Race=Black	1.66 (1.05-2.63)	0.029	
	Race=Other	1.69 (1.03-2.78)	0.038	
	Mild initial symptom severity	reference		
	Moderate initial symptom severity	0.63 (0.44-0.89)	0.008	
	Severe initial symptom severity	0.3 (0.07-1.24)	0.096	
Dizziness	Mild initial symptom severity	reference		1029.99
	Moderate initial symptom severity	0.6 (0.42-0.86)	0.005	
	Severe initial symptom severity	0.24 (0.06-1)	0.050	
Current Fever	Mild initial symptom severity	reference		995.01
	Moderate initial symptom severity	0.74 (0.51-1.08)	0.118	
	Severe initial symptom severity	0.16 (0.04-0.74)	0.018	
	Immune suppression	0.4 (0.17-0.93)	0.033	
	Obesity	0.63 (0.42-0.93)	0.022	
Headache	Female	0.61 (0.45-0.83)	0.002	1891.72
	Mild initial symptom severity	reference		
	Moderate initial symptom severity	0.5 (0.37-0.68)	0.000	
	Severe initial symptom severity	0.49 (0.16-1.56)	0.231	
Joint Pain	Obesity	0.67 (0.44-1.01)	0.059	880.52
Loss of smell or taste	Female	0.52 (0.36-0.74)	<0.001	1296.92

	Immune suppression	0.25 (0.08-0.79)	0.018	
Nausea	Female	0.56 (0.35-0.91)	0.018	793.72
Rash	No significant covariates	0.36 (0.04-2.86)	0.332	
SOB with exertion	No significant covariates	1.36 (0.55-3.33)	0.502	
SOB at rest	Race=White	reference		493.45
	Race=Black	0.38 (0.19-0.76)	0.006	
	Race=Other	0.62 (0.3-1.29)	0.203	
Sore Throat	Mild initial symptom severity	reference		891.43
	Moderate initial symptom severity	0.88 (0.49-1.59)	0.673	
	Severe initial symptom severity	0.04 (0-1.01)	0.051	
	time*Moderate initial symptom severity	0.97 (0.92-1.02)	0.253	
	time*Severe initial symptom severity	1.11 (0.97-1.27)	0.144	
Wheezing	Asthma	0.37 (0.19-0.7)	0.002	387.95

SOB=shortness of breath