

Appendix 1: the recruited Covid-19 patients from each city of Mazandaran Province.

Cities	PCR ⁻	PCR ⁺	Total
Amol	1304 (62.7)	776 (37.3)	2080 (15.2)
Mahmood Abad	304 (60)	203 (40)	507 (3.7)
Nur	259 (53)	230 (47)	489 (3.6)
Nowshahr	432 (67)	213 (33)	645 (4.7)
Ghaemshahr	1174 (64)	661 (36)	1835 (13.4)
Fredunkenar	206 (69.6)	90 (30.4)	296 (2.2)
Babol	43 (60.6)	28 (39.4)	71 (0.5)
Chalus	270 (69.4)	119 (30.6)	389 (2.8)
Babolsar	382 (59.2)	263 (40.8)	645 (4.7)
Sari	1933 (69.5)	850 (30.5)	2783 (20.3)
Savadkooch	193 (64.5)	106 (35.5)	299 (2.2)
Abbas Abad	159 (67.9)	75 (32.1)	234 (1.7)
Behshar	495 (53.9)	423 (46.1)	918 (6.7)
Galugah	124 (70.9)	51 (29.1)	175 (1.3)
Neka	269 (53.9)	230 (46.1)	499 (3.6)
Tonekabon	605 (79.3)	158 (20.7)	763 (5.6)
Ramsar	281 (70.4)	118 (29.6)	399 (2.9)
Juibar	230 (65.3)	122 (34.7)	352 (2.6)
Miandrood	56 (49.1)	58 (50.9)	114 (0.8)
Simmorgh	36 (75)	12 (25)	48 (0.3)
Other	133 (72.7)	50 (27.3)	183 (1.3)
Total	8888 (64.8)	4836 (35.2)	13724 (100)

Appendix2: The frequency and percentage of clinical symptoms manifestations across age groups in confirmed COVID-19

	<20	20 - 39	40 - 59	60 - 79	≥ 80	total	χ^2 statistics
Study population	702(5.1)	3107(22.6)	4540(33.1)	3883(28.3)	1492(10.9)	13724 (100)	
COVID-19+	145(20.7)	1114(35.9)	1906(42)	1296(33.4)	375(25.1)	4836 (100)	
Fever& Chills	90 (62.07)	638 (57.27)	1,129 (59.23)	696 (53.7)	186 (49.6)	2,739 (56.64)	19.3***
Cough	58 (40.0)	599 (53.77)	1,137 (59.65)	676 (52.16)	161 (42.93)	2,631 (54.4)	56.0***
Shortness of breath	48 (33.1)	597 (53.59)	1,127 (59.13)	775 (59.8)	229 (61.07)	2,776 (57.4)	49.1***
FatigueFatigue	20 (13.79)	163 (14.63)	296 (15.53)	231 (17.82)	63 (16.8)	773 (15.98)	5.7
Myalgia	29 (20)	324 (29.08)	562 (29.49)	320 (24.69)	76 (20.27)	1,311 (27.11)	24.1***
Irritability or confusion	10 (6.9)	55 (4.94)	118 (6.19)	85 (6.56)	34 (9.07)	302 (6.24)	8.7
Sore throat	34 (23.45)	240 (21.54)	367 (19.25)	197 (15.2)	58 (15.47)	896 (18.53)	21.5***
Coryza	8 (5.52)	39 (3.5)	66 (3.46)	31 (2.39)	8 (2.13)	152 (3.14)	7.4
Diarrhea	19 (13.1)	67 (6.01)	108 (5.67)	56 (4.32)	17 (4.53)	267 (5.52)	20.8***
Nausea or vomiting	26 (17.93)	72 (6.46)	195 (10.23)	140 (10.8)	37 (9.87)	470 (9.72)	26.9***
Headache	19 (13.1)	165 (14.81)	288 (15.11)	140 (10.8)	30 (8)	642 (13.28)	23.8***
Chest pain	8 (5.52)	93 (8.35)	176 (9.23)	101 (7.79)	31 (8.27)	409 (8.46)	3.87
Abdominal pain	9 (6.21)	16 (1.44)	22 (1.15)	18 (1.39)	4 (1.07)	69 (1.43)	24.9***
Arthralgia	9 (6.21)	92 (8.26)	187 (9.81)	89 (6.87)	28 (7.47)	405 (8.37)	10.3*
Other symptoms	29 (20)	192 (17.24)	385 (20.2)	291 (22.45)	70 (18.67)	967 (20)	10.6*