

Table 1: Baseline Characteristics and Clinical History of Patients
with Post-COVID-19 Vaccination Adverse Reactions

	Total N=375804	Alive N=371185	Died N=4619	P value
Age, mean(SD)	48.9 (18.1)	48.6 (18.0)	73.5 (15.8)	0.000
Age by group, n(%):				0.000
0 - 17	12669 (3.37%)	12655 (3.41%)	14 (0.30%)	
18 - 34	80440 (21.4%)	80342 (21.6%)	98 (2.12%)	
35 - 49	100762 (26.8%)	100512 (27.1%)	250 (5.41%)	
50 - 64	98042 (26.1%)	97295 (26.2%)	747 (16.2%)	
65 - 79	67659 (18.0%)	65994 (17.8%)	1665 (36.0%)	
>= 80	16232 (4.32%)	14387 (3.88%)	1845 (39.9%)	
Gender, n(%):				0.000
Male	103662 (27.6%)	101065 (27.2%)	2597 (56.2%)	
Female	272142 (72.4%)	270120 (72.8%)	2022 (43.8%)	
Hospital admission status, n(%)	20923 (5.57%)	19766 (5.33%)	1157 (25.0%)	0.000
Post-vaccination disability, n(%)	5093 (1.36%)	5055 (1.36%)	38 (0.82%)	0.002
Life-threatening event, n(%)	6288 (1.67%)	6111 (1.65%)	177 (3.83%)	<0.001
Birth defeat, n(%)	190 (0.05%)	188 (0.05%)	2 (0.04%)	1.000
Comorbidities, n(%)				
Asthma	24365 (6.48%)	24241 (6.53%)	124 (2.68%)	<0.001
Hypertension	32218 (8.57%)	31345 (8.44%)	873 (18.9%)	<0.001
Diabetes	19589 (5.21%)	18858 (5.08%)	731 (15.8%)	<0.001
Anxiety	11538 (3.07%)	11371 (3.06%)	167 (3.62%)	0.034
Allergy	18472 (4.92%)	18394 (4.96%)	78 (1.69%)	<0.001
Arthritis	16309 (4.34%)	16075 (4.33%)	234 (5.07%)	0.016
Depression	10356 (2.76%)	10185 (2.74%)	171 (3.70%)	<0.001
Hypothyroidism	12586 (3.35%)	12346 (3.33%)	240 (5.20%)	<0.001
High_Cholesterol	15352 (4.09%)	14850 (4.00%)	502 (10.9%)	<0.001
Heart_Disease	7695 (2.05%)	7209 (1.94%)	486 (10.5%)	0.000
GERD	7824 (2.08%)	7603 (2.05%)	221 (4.78%)	<0.001
Cancer	8189 (2.18%)	7864 (2.12%)	325 (7.04%)	<0.001
Obesity	8673 (2.31%)	8468 (2.28%)	205 (4.44%)	<0.001
Migraine	10840 (2.88%)	10804 (2.91%)	36 (0.78%)	<0.001
Kidney_Disease	5211 (1.39%)	4842 (1.30%)	369 (7.99%)	0.000
Covid-19 positive history	9058 (2.41%)	8792 (2.37%)	266 (5.76%)	<0.001
Symptoms, n(%)				
Headache	73462 (19.5%)	72512 (19.5%)	950 (20.6%)	0.082
Pyrexia	60220 (16.0%)	59417 (16.0%)	803 (17.4%)	0.012
Fatigue	59197 (15.8%)	58413 (15.7%)	784 (17.0%)	0.023
Chills	60962 (16.2%)	60174 (16.2%)	788 (17.1%)	0.125
Swelling	46548 (12.4%)	45970 (12.4%)	578 (12.5%)	0.809
Rash	36826 (9.80%)	36333 (9.79%)	493 (10.7%)	0.047
Dizziness	44088 (11.7%)	43516 (11.7%)	572 (12.4%)	0.173
Nausea	43584 (11.6%)	43005 (11.6%)	579 (12.5%)	0.048
Pruritus	40841 (10.9%)	40314 (10.9%)	527 (11.4%)	0.243
Erythema	41274 (11.0%)	40749 (11.0%)	525 (11.4%)	0.415
Myalgia	23243 (6.18%)	22970 (6.19%)	273 (5.91%)	0.454
Dyspnoea	20151 (5.36%)	19877 (5.36%)	274 (5.93%)	0.090
Paraesthesia	17665 (4.70%)	17450 (4.70%)	215 (4.65%)	0.910

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	Total	Alive	Died	P value
Hypoaesthesia	14370 (3.82%)	14194 (3.82%)	176 (3.81%)	0.993
Asthenia	15077 (4.01%)	14860 (4.00%)	217 (4.70%)	0.019
Muscle_weakness	113 (0.03%)	113 (0.03%)	0 (0.00%)	0.652
Vomiting	16593 (4.42%)	16382 (4.41%)	211 (4.57%)	0.637
Hyperhidrosis	14056 (3.74%)	13855 (3.73%)	201 (4.35%)	0.030
Urticaria	13455 (3.58%)	13289 (3.58%)	166 (3.59%)	0.992
Diarrhoea	12808 (3.41%)	12636 (3.40%)	172 (3.72%)	0.251
Abdominal	11359 (3.02%)	11179 (3.01%)	180 (3.90%)	0.001
Malaise	11002 (2.93%)	10857 (2.92%)	145 (3.14%)	0.415
Tinnitus	7312 (1.95%)	7210 (1.94%)	102 (2.21%)	0.213
Palpitations	7253 (1.93%)	7140 (1.92%)	113 (2.45%)	0.012
Flushing	8529 (2.27%)	8406 (2.26%)	123 (2.66%)	0.079
Blood_pressure_increased	3922 (1.04%)	3875 (1.04%)	47 (1.02%)	0.918
Feeling_abnormal	11072 (2.95%)	10918 (2.94%)	154 (3.33%)	0.127
Feeling_hot	7071 (1.88%)	6980 (1.88%)	91 (1.97%)	0.696
Tremor	8124 (2.16%)	7996 (2.15%)	128 (2.77%)	0.005
Lymphadenopathy	11514 (3.06%)	11358 (3.06%)	156 (3.38%)	0.230
Syncope	16514 (4.39%)	16294 (4.39%)	220 (4.76%)	0.233
Throat_irritation	14938 (3.97%)	14739 (3.97%)	199 (4.31%)	0.259
Unresponsive_stimuli	2644 (0.70%)	2608 (0.70%)	36 (0.78%)	0.595
Burning_sensation	4510 (1.20%)	4443 (1.20%)	67 (1.45%)	0.132
Muscle_tightness	1223 (0.33%)	1207 (0.33%)	16 (0.35%)	0.903
Skin_issues	12924 (3.44%)	12760 (3.44%)	164 (3.55%)	0.706
Dyskinesia	671 (0.18%)	665 (0.18%)	6 (0.13%)	0.540
Heart_rate_increased	7588 (2.02%)	7500 (2.02%)	88 (1.91%)	0.616
Heart_rate_decreased	7588 (2.02%)	7500 (2.02%)	88 (1.91%)	0.616
Heart_rate_irregular	1102 (0.29%)	1085 (0.29%)	17 (0.37%)	0.418
Paralysis	2000 (0.53%)	1970 (0.53%)	30 (0.65%)	0.317
Tachycardia	4116 (1.10%)	4056 (1.09%)	60 (1.30%)	0.205
Anaphylactic_reaction	1358 (0.36%)	1345 (0.36%)	13 (0.28%)	0.431
Cardiac_event	1002 (0.27%)	988 (0.27%)	14 (0.30%)	0.734
Chest_pain	17021 (4.53%)	16779 (4.52%)	242 (5.24%)	0.021
Pain	133316 (35.5%)	131611 (35.5%)	1705 (36.9%)	0.041
Mobility_decreased	5899 (1.57%)	5821 (1.57%)	78 (1.69%)	0.552
Stroke	1680 (0.45%)	1654 (0.45%)	26 (0.56%)	0.282
Influenza	6682 (1.78%)	6573 (1.77%)	109 (2.36%)	0.003
SARS.COVID.2	5813 (1.55%)	5734 (1.54%)	79 (1.71%)	0.397
Appetite_decreased	6513 (1.73%)	6419 (1.73%)	94 (2.04%)	0.127
Induration	5953 (1.58%)	5883 (1.58%)	70 (1.52%)	0.752
Sleep_disorder	5041 (1.34%)	4970 (1.34%)	71 (1.54%)	0.272
Condition_aggravated	5371 (1.43%)	5292 (1.43%)	79 (1.71%)	0.119
Joint_issues	26065 (6.94%)	25711 (6.93%)	354 (7.66%)	0.053
Vaccine_manufacturer:				0.002
JANSSEN	33969 (9.04%)	33596 (9.05%)	373 (8.08%)	
MODERNA	177400 (47.2%)	175109 (47.2%)	2291 (49.6%)	
PFIZER\BIONTECH	164435 (43.8%)	162480 (43.8%)	1955 (42.3%)	