

Supplementary Material

Individuals threefold COVID-19 vaccinated							
	mentally healthy (n=921)		underlying psychiatric disorder (n=161)		total (N=1.082)		p
	absolute	relative	absolute	relative	absolute number	relative number	
How well can you enjoy your life?							
<i>not at all</i>	1	0.1%	2	1.2%	3	0.3%	<0.001
<i>a little</i>	10	1.1%	11	6.8%	21	1.9%	
<i>average</i>	98	10.6%	57	35.2%	155	14.3%	
<i>quite</i>	604	65.6%	86	53.1%	690	63.8%	
<i>extremely</i>	208	22.6%	5	3.1%	213	19.7%	
How well can you concentrate?							
<i>not at all</i>	0	0.0%	2	1.2%	2	0.2%	<0.001
<i>a little</i>	8	0.9%	7	4.3%	15	1.4%	
<i>average</i>	156	16.9%	59	36.6%	215	19.9%	
<i>quite</i>	584	63.4%	90	55.9%	674	62.3%	
<i>extremely</i>	173	18.8%	3	1.9%	176	16.3%	
Do you have enough energy for daily life?							
<i>not at all</i>	1	0.1%	0	0.0%	1	0.1%	<0.001
<i>rather not</i>	23	2.5%	21	13.0%	44	4.1%	
<i>halfway</i>	118	12.8%	57	35.4%	175	16.2%	
<i>mostly</i>	572	62.1%	76	47.2%	648	59.9%	
<i>completely</i>	207	22.5%	7	4.3%	214	19.8%	
Can you accept your appearance?							
<i>not at all</i>	1	0.1%	5	3.1%	6	0.6%	<0.001
<i>rather not</i>	16	1.7%	20	12.4%	36	3.3%	
<i>halfway</i>	90	9.8%	41	25.5%	131	12.1%	
<i>mostly</i>	543	59.0%	75	46.6%	618	57.1%	
<i>completely</i>	271	29.4%	20	12.4%	291	26.9%	
How satisfied are you with your ability to do everyday things?							
<i>very dissatisfied</i>	3	0.3%	2	1.2%	5	0.5%	<0.001
<i>dissatisfied</i>	23	2.5%	21	13.0%	44	4.1%	
<i>neither satisfied nor dissatisfied</i>	87	9.4%	41	25.5%	128	11.8%	
<i>satisfied</i>	526	57.1%	82	50.9%	608	56.2%	
<i>very satisfied</i>	282	30.6%	15	9.3%	297	27.4%	
How satisfied are you with yourself?							
<i>very dissatisfied</i>	0	0.0%	5	3.1%	5	0.5%	<0.001
<i>dissatisfied</i>	18	2.0%	30	18.6%	48	4.4%	
<i>neither satisfied nor dissatisfied</i>	111	12.1%	49	30.4%	160	14.8%	
<i>satisfied</i>	634	68.8%	71	44.1%	705	65.2%	
<i>very satisfied</i>	158	17.2%	6	3.7%	164	15.2%	
How satisfied are you with your sexual life?							
<i>very dissatisfied</i>	13	1.4%	16	9.9%	29	2.7%	<0.001
<i>dissatisfied</i>	44	4.8%	18	11.2%	62	5.7%	
<i>neither satisfied nor dissatisfied</i>	175	19.0%	48	29.8%	223	20.6%	
<i>satisfied</i>	474	51.5%	64	39.8%	538	49.7%	
<i>very satisfied</i>	215	23.3%	15	9.3%	230	21.3%	
How often do you have negative feelings such as sadness, despair, anxiety, or depression?							
<i>never</i>	199	21.6%	4	2.5%	203	18.8%	<0.001
<i>not often</i>	517	56.1%	35	21.7%	552	51.0%	
<i>occasionally</i>	179	19.4%	78	48.4%	257	23.8%	
<i>often</i>	26	2.8%	41	25.5%	67	6.2%	
<i>always</i>	0	0.0%	3	1.9%	3	0.3%	

Supplementary Table 1: Characterisation of mental health parameters separated by subgroups without and with psychiatric disorders undergoing a third COVID-19 vaccination

For each sub-cohort absolute numbers in the left. relative share in the right column. BMI: body mass index.

Individuals fourfold COVID-19 vaccinated							
	mentally healthy (n=135)		underlying psychiatric disorder (n=19)		total (N=154)		p
	absolute	relative	absolute	relative	absolute	relative	
How well can you enjoy your life?							
<i>not at all</i>	0	0.0%	0	0.0%	0	0.0%	<0.001
<i>a little</i>	1	0.7%	2	10.5%	3	1.9%	
<i>average</i>	18	13.3%	8	42.1%	26	16.9%	
<i>quite</i>	83	61.5%	9	47.4%	92	59.7%	
<i>extremely</i>	33	24.4%	0	0.0%	33	21.4%	
How well can you concentrate?							
<i>not at all</i>	0	0.0%	0	0.0%	0	0.0%	<0.001
<i>a little</i>	2	1.5%	2	10.5%	4	2.6%	
<i>average</i>	22	16.3%	10	52.6%	32	20.8%	
<i>quite</i>	77	57.0%	6	31.6%	83	53.9%	
<i>extremely</i>	34	25.2%	1	5.3%	35	22.7%	
Do you have enough energy for daily life?							
<i>not at all</i>	0	0.0%	0	0.0%	0	0.0%	<0.001
<i>rather not</i>	4	3.0%	2	10.5%	6	3.9%	
<i>halfway</i>	15	11.1%	11	57.9%	26	16.9%	
<i>mostly</i>	85	63.0%	6	31.6%	91	59.1%	
<i>completely</i>	31	23.0%	0	0.0%	31	20.1%	
Can you accept your appearance?							
<i>not at all</i>	0	0.0%	0	0.0%	0	0.0%	<0.001
<i>rather not</i>	1	0.7%	6	31.6%	7	4.5%	
<i>halfway</i>	17	12.6%	3	15.8%	20	13.0%	
<i>mostly</i>	75	55.6%	9	47.4%	84	54.5%	
<i>completely</i>	42	31.1%	1	5.3%	43	27.9%	
How satisfied are you with your ability to do everyday things?							
<i>very dissatisfied</i>	0	0.0%	1	5.3%	1	0.6%	<0.001
<i>dissatisfied</i>	5	3.7%	3	15.8%	8	5.2%	
<i>neither satisfied nor dissatisfied</i>	7	5.2%	5	26.3%	12	7.8%	
<i>satisfied</i>	81	60.0%	9	47.4%	90	58.4%	
<i>very satisfied</i>	42	31.1%	1	5.3%	43	27.9%	
How satisfied are you with yourself?							
<i>very dissatisfied</i>	1	0.7%	0	0.0%	1	0.6%	<0.001
<i>dissatisfied</i>	5	3.7%	3	15.8%	8	5.2%	
<i>neither satisfied nor dissatisfied</i>	14	10.4%	8	42.1%	22	14.3%	
<i>satisfied</i>	87	64.4%	8	42.1%	95	61.7%	
<i>very satisfied</i>	28	20.7%	0	0.0%	28	18.2%	
How satisfied are you with your sexual life?							
<i>very dissatisfied</i>	1	0.7%	0	0.0%	1	0.6%	0.0149
<i>dissatisfied</i>	7	5.2%	1	5.3%	8	5.2%	
<i>neither satisfied nor dissatisfied</i>	32	23.7%	10	52.6%	42	27.3%	
<i>satisfied</i>	64	47.4%	7	36.8%	71	46.1%	
<i>very satisfied</i>	31	23.0%	1	5.3%	32	20.8%	
How often do you have negative feelings such as sadness, despair, anxiety, or depression?							
<i>never</i>	37	27.4%	0	0.0%	37	24.0%	<0.001
<i>not often</i>	63	46.7%	3	15.8%	66	42.9%	
<i>occasionally</i>	32	23.7%	10	52.6%	42	27.3%	
<i>often</i>	3	2.2%	5	26.3%	8	5.2%	
<i>always</i>	0	0.0%	1	5.3%	1	0.6%	

Supplementary Table 2: Characterisation of mental health parameters separated by subgroups without and with psychiatric disorders undergoing a fourth COVID-19 vaccination

For each sub-cohort absolute numbers in the left. relative share in the right column. BMI: body mass index.