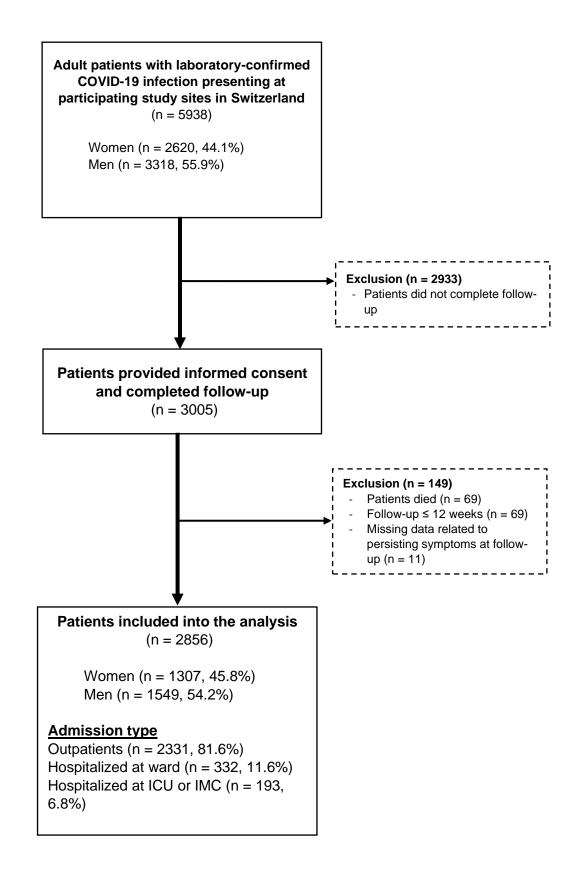
Supplementary Materials

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S 1: Flowchart depicting patient selection. ICU, intensive care unit; IMC, intermediate care unit.



S 2: Gender-related questions included in the questionnaire.

Are/were you a single parent?				 ○ Yes ○ No ○ I do not have children 						
What is your marital status? (Select only one answer)) Married,) Married,					
				 Married, but permanently living apart Registered same-sex partnership, living together Registered same-sex partnership, living apart 						
) Registere) Single, pe				living apa	irt
				C	Single, liv	ing alone				
) Divorced) Widowed					
What educational qualifications h) No degre		ndan	(education		
Only tick the highest degree that	you gained	1.			Apprentio	ceship / vo	catio	nal qualific	ation, spe	ecialist
(Select only one answer)				C	baccalau College,	reate, High technical c				
							5			
Do you earn the highest income i	n your hou	sehold?) Yes) No					
				Č	The partr		oute i	n roughly	equal sha	res
				C) I live alor	ie				
Are you the main person respons	ible for the	househol	d		Yes					
work in your household?) No) The partr	ers contril	nute i	n roughly	equal sha	res
					I live alor		Juici	nroughly	oquui onu	100
On a scale of 1 to 10, how stres	ssed are y	ou at hon	ne?							
Assign an appropriate number	to yourse	lf:								
(1) = No stress, (10) = Maximum	stress									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Stress at home	Ő	\bigcirc	\bigcirc	$\overset{(4)}{\bigcirc}$	\circ	Ő	Ő	0	0	0
To what extent are you respon		ne care or	upbri	nging of	children	or grandc	hildr	en and/or	the	
care of others living in your ho	usehold?									
Assign yourself an appropriate	number:									
(0) = Not applicable										
(1) = I have no responsibility										
(6) = I take full responsibility										
(0) 1 10.10 10.1100 00.10.10.11	(0)	(4)		(0)	(0)	(4)		(5)	(0)	
Responsibility	(0) 〇	(1) 〇		(2)	(3) 〇	(4) 〇		(5) 〇	(6) 〇	
(1) = Nover true or elmost pover										
(1) = Never true or almost never(7) = True (nearly) always										
I am someone who										
defends his own opinion.	(1)	(2)		(3)	(4)	(5)		(6)	(7)	
has leadership qualities.	0	0		0	0	0		0	0	
is independent.	0	0		~	0	0		0	0	
is willing to take risks.	0	0		0	0	0		0	0	
is positive.	0	0		0	0	0		0	0	
is assertive.	0	0		0	0	0		0	0	
has a strong personality.	0	0		0	0	0		0	0	
is ready to take a stand.	0	0		0	0	0		0	0	
is energetic.	0	0		0	0	0		0	0	
is aggressive.	0	0		0	0	0		0	0	
If you assess yourself: Do you	u have onl	y male or	only f	emale cl	haracteris	tics or bo	th?			
	orto	woolf								
Assign a corresponding num	berto you	irseif:								
 (1) = more male characteristics (7) = more female characteristic 	0									
(7) = more female characteristic				(0)				(0)		
I feel that I am	(1)	(2)		(3)	(4)	(5)		(6) 〇	(7)	
	\cup	\cup		<u> </u>	\cup	\cup)	\bigcirc	

S 3: Full prediction model for the occurrence of PASC in outpatients. Risk ratios (RR) and 95% confidence intervals (CI) are depicted. The following independent variables were included in the analysis: biological sex, gender score (Model 1) or single features of the gender score (Model 2), age, acute COVID-19 symptoms, pre-existing comorbidities, prior medications, and cardiovascular risk factors. NS = not significant.

	Bivariate analysis		Model 1 (n=215	8)	Model 2 (n=2298)	
Factors	Crude RR (95%CI)	p-value	Adjusted RR (95%CI)	p-value	Adjusted RR (95%CI)	p-value
Age (years)	1.003 (1.00, 1.01)	0.212	1.00 (0.99, 1.004)	0.896	1.00 (0.99, 1.01)	0.464
Female sex	1.59 (1.41, 1.79)	<0.001	1.33 (1.16, 1.53)	<0.001	0.96 (0.74, 1.25)	0.763
Gender score (0=Masculine; 100=Feminine) x 10 scores	1.05 (1.03, 1.07)	<0.001	1.00 (0.97, 1.02)	0.959		
CV risk factors						
Obesity (BMI≥30 kg/m²)	1.80 (1.42, 2.28)	<0.001	1.34 (1.16, 1.54)	<0.001	1.25 (1.08, 1.44)	0.002
Pre-existing comorbidities						
Mental disorder	1.77 (1.40, 2.23)	<0.001	1.35 (1.03, 1.76)	0.027	1.28 (0.99, 1.64)	0.056
Autoimmune/Rheumatoid disease	1.78 (1.50, 2.13)	<0.001	1.35 (1.12, 1.64)	0.002	1.36 (1.14, 1.63)	0.001
Medications before COVID-19						
Cardiovascular drugs	1.21 (1.02, 1.43)	0.028		NS		NS
Asthma treatment	1.62 (1.29, 2.02)	<0.001		NS		NS
Analgetics	1.47 (1.25, 1.73)	<0.001		NS		NS
Immunosuppressive medication	1.71 (1.27, 2.31)	<0.001		NS		NS
Antidepressants	1.64 (1.26, 2.12)	<0.001		NS		NS
Thyroid hormones	1.75 (1.38, 2.23)	<0.001		NS		NS
Symptoms at presentation for acute COVID-19						
Anosmia/dysosmia	1.94 (1.70, 2.22)	<0.001	1.74 (1.52, 2.00)	<0.001	1.69 (1.48, 1.93)	< 0.001
Gastrointestinal symptoms	1.76 (1.57, 1.99)	<0.001	1.32 (1.16, 1.50)	<0.001	1.33 (1.18, 1.50)	< 0.001
Dyspnea	2.13 (1.91, 2.38)	<0.001	1.58 (1.41, 1.78)	<0.001	1.60 (1.43, 1.80)	< 0.001
Cough	1.35 (1.20, 1.51)	<0.001	1.12 (0.99, 1.26)	0.062	1.12 (1.00, 1.26)	0.055
Fatigue	1.83 (1.55, 2.16)	<0.001	1.44 (1.22, 1.70)	<0.001	1.44 (1.23, 1.70)	<0.001
Sociocultural-and economic variables						
Parenthood						
Two-parent family	1.00 (Reference)				1.00 (Reference)	
Single-parent family	1.33 (1.10, 1.61)	0.003			1.21 (1.00, 1.46)	0.050
No children	1.06 (0.94, 1.20)	0.336			1.16 (1.01, 1.33)	0.033
Education						
University or technical college degree	1.00 (Reference)				1.00 (Reference)	
Non-University or technical college degree	1.23 (1.09, 1.39)	0.001			1.16 (1.03, 1.30)	0.011
Average domestic stress level	1.08 (1.05, 1.11)	<0.001			1.04 (1.01, 1.06)	0.003
Interaction terms						
Female:Lives alone					1.91 (1.29, 2.83)	0.001
Male:Earns highest income in household					0.76 (0.60, 0.97)	0.030
Male:Lives alone					0.54 (0.39, 0.75)	<0.001

S 4: Full prediction model for the occurrence of PASC in hospitalized patients. Risk ratios (RR) and 95% confidence intervals (CI) are depicted. The following independent variables were included in the analysis: biological sex, gender score (Model 1) or single features of the gender score (Model 2), age, BMI, acute COVID-19 symptoms, preexisting comorbidities, prior medications, cardiovascular risk factors, routine laboratory parameters during acute illness, hormone levels (testosterone, oestradiol, progesterone, and cortisol), and clinical data during acute illness. P/F ratio, PaO2/FiO2 ratio. NS = not significant.

	Bivariate analysis		Model 1 (n=429	9)	Model 2 (n=490)		
Factors	Crude RR (95%CI)	p-value	Adjusted RR (95%CI)	p-value	Adjusted RR (95%CI)	p-value	
Age (years)	1.004 (1.00, 1.01)	0.147	1.003 (0.99, 1.01)	0.393	1.01 (1.00, 1.03)	0.121	
Female sex	1.15 (0.99, 1.34)	0.058	1.20 (0.98, 1.46)	0.076	1.14 (0.97, 1.35)	0.120	
Gender score (0=Masculine - 100=Feminine) x 10		0.400	, , , , , , , , , , , , , , , , , , ,	0.705			
scores	1.01 (0.98, 1.04)	0.406	1.00 (0.96, 1.03)	0.795			
CV risk factors							
Hypertension	1.23 (1.05, 1.44)	0.010	1.24 (1.03, 1.50)	0.023	1.19 (1.00, 1.41)	0.050	
Medications before acute COVID-19							
Cardiovascular drugs	1.19 (1.02, 1.38)	0.024		NS		NS	
Asthma treatment	1.32 (1.09, 1.59)	0.004		NS		NS	
Analgetics	1.20 (1.02, 1.41)	0.030		NS		NS	
Symptoms at presentation for acute COVID-19							
Anosmia/dysosmia	1.21 (1.05, 1.40)	0.008	1.19 (1.01, 1.40)	0.037	1.20 (1.03, 1.40)	0.021	
Gastrointestinal symptoms	1.32 (1.14, 1.52)	< 0.001	1.29 (1.10, 1.52)	0.001	1.27 (1.09, 1.47)	0.002	
Dyspnea	1.44 (1.24, 1.68)	<0.001	1.26 (1.05, 1.52)	0.014	1.26 (1.06, 1.48)	0.007	
Fatigue	1.50 (1.22, 1.83)	< 0.001	1.34 (1.06, 1.69)	0.013	1.35 (1.09, 1.67)	0.006	
Medical treatment of acute COVID-19							
Corticosteroids	1.23 (1.07, 1.43)	0.004		NS		NS	
Tocilizumab	1.42 (1.19, 1.68)	< 0.001		NS		NS	
Disease course of acute COVID-19							
Invasive ventilation	1.56 (1.37, 1.78)	<0.001	1.55 (1.32, 1.82)	<0.001	1.53 (1.32, 1.77)	<0.001	
Sociocultural-and economic variables							
Parenthood							
Two-parent family	1.00 (Reference)						
Single-parent family	1.14 (0.89, 1.45)	0.294			1.03 (0.80, 1.34)	0.796	
No children	1.11 (0.92, 1.35)	0.258			1.10 (0.89, 1.36)	0.378	
Education							
University or technical college degree	1.00 (Reference)						
Non-University or technical college degree	1.10 (0.91, 1.33)	0.307			1.00 (0.82, 1.20)	0.966	
Average domestic stress level	1.03 (1.00, 1.06)	0.048			1.00 (0.97, 1.04)	0.814	
Laboratory and clinical parameters at 1st day							
in-hospital							
Respiratory rate day 1 (per minute)	1.015 (1.007, 1.022)	<0.001		NS		NS	
P/F ratio day 1	0.998 (0.997, 0.999)	<0.001		NS		NS	
Late presentation for acute COVID-19 (yes/no)	1.16 (1.002, 1.34)	0.047	1.25 (1.06, 1.47)	0.008		NS	
Hormones (Cortisol, Estradiol, Testosterone)							
Estradiol (E2, x 100 pmol/L)	1.08 (1.04, 1.12)	<0.001		NS		NS	
Interaction terms							
Female:Late presentation for acute COVID-19				NS			