Penn Medicine

Institute for Translational Medicine and Therapeutics (ITMAT)

## Penn Biobank COVID-19 Patient Survey



## **■** Data Dictionary Codebook

04/27/2020 3:09pm

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	#	Variable / Field Name	Field Label Field Note	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)			
Ins	trume	nt: COVID-19 Patient Surv	<b>^</b> Collapse				
	1	record_id	Record ID	text			
	2	page1of4	Section Header: Personal Profile Page 1 of 4	descriptive	descriptive		
	3	fname_txt1	Type your first name below:	descriptive Question number: 1			
	4	fname		text, Required, Identified Custom alignment: LV	r		
	5	lname_txt1	Type your last name below:	descriptive			
	6	Iname		text, Required, Identified Custom alignment: LV	r		
	7	dob	What is your date of birth?	text (date_mdy), Required, Identifier Custom alignment: LV Question number: 2 Field Annotation: @HIDEBUTTON			
	8	email	What is your email address?	text (email), Required, Id Question number: 3	text (email), Required, Identifier Question number: 3		
	9	mobile_phone_number	What is your mobile phone number? if you do not have a mobile telephone, enter your best daytime phone number.	text (phone), Required, Question number: 4	ldentifier		
	10	assigned_sex	What sex were you assigned at birth?	radio, Required			
				Male	Male		
				Female	Female		
				Other	Other		
				Prefer_not_to_answer	Prefer not to answer		
				Question number: 5			
	11	pregnancy_status Show the field ONLY if: [assigned_sex] = 'Female'	Are you currently pregnant or is there a chance you could be pregnant during the next month?	yesno, Required  1 Yes  0 No			
	12	gender_sex_match	Does your current gender identity match your sex assigned at birth?	radio, Required  1 Yes  0 No  2 Prefer not to answer  Question number: 6	ır		

12	gondor idontity	What is your surrent gooder identity?	radio Poquirad
13	gender_identity	What is your current gender identity?	radio, Required  1 Transgender female (male to female)
	Show the field ONLY if: [gender_sex_match] = '0'		
	[gender_sex_match] = 0		2 Transgender male (female to male)
			3 Gender queer
			4 Gender variant or gender non-conforming
			5 Female
			6 Male
			7 Self-identify
			8 Prefer not to answer
			Field Annotation: @NONEOFTHEABOVE=8
14	gender_self_identity	Please specify gender self-identity	text, Required
	Show the field ONLY if:		
	[gender_identity] = '7'		
15	age	How old are you (in years)?	text (integer, Min: 0, Max: 130), Required
			Question number: 7
16	weight	How much do you weigh (in pounds)?	text (integer, Min: 1, Max: 1000), Required Question number: 8
17	height_header	How tall are you?	descriptive
			Question number: 9
18	height_feet	Feet	text (integer, Min: 0, Max: 8), Required
19	height_inches	Inches	text (integer, Min: 0, Max: 11), Required Custom alignment: RH
20	ancestry_ethnicity	What is your ethnicity/ancestry?	checkbox, Required
			1 ancestry_ethnicity1 Hispanic or latino
			2 ancestry_ethnicity2 White - European
			3 ancestry_ethnicity3 Asian
			4 ancestry_ethnicity4 Black - African
			5 ancestry_ethnicity5 Native American
			6 ancestry_ethnicity6 Pacific Islander
			7 ancestry_ethnicity7 Don't know
			8 ancestry_ethnicity8 Prefer not to answer
			Question number: 10
21	live_alone	Do you live alone?	yesno, Required
	iive_dione	bo you me dione.	1 Yes
			0 No
			Question number: 11
22	household_interaction_ages	Please indicate ages for people who interact in your	checkbox, Required
	Show the field ONLY if:	household? (including yourself, any caregivers or roomates -	1 household_interaction_ages1 under 3 years
	[live_alone] = '0'	- check all that apply)	old
			2 household_interaction_ages2 3-6 years old
			3 household_interaction_ages3 7-17 years old
			4 household_interaction_ages4 18-25 years old
			5 household_interaction_ages5 26-40 years old
			6 household_interaction_ages6 41-64 years old
			7 household_interaction_ages7 65-79 years old
			8   household_interaction_ages8   80 years old or older
23	household_under_3	Number of people in household under 3 years old	text (integer, Min: 0, Max: 100), Required
	Show the field ONLY if:	,	
	[household_interaction_ages		
	(1)] = '1'		

				· .
	24	household_between_3_6	Number of 3-6 years old people interacting in household	text (integer, Min: 0, Max: 100), Required
		Show the field ONLY if:		
		[household_interaction_ages (2)] = '1'		
	25	household_between_7_17	Number of 7-17 years old people interacting in household	text (integer, Min: 0, Max: 100), Required
	23	Show the field ONLY if:	realiser of 7 17 years old people interacting in riodseriold	text (integer, min. o, max. 100), required
		[household_interaction_ages		
		(3)] = '1'		
	26	household_between_18_25	Number of 18-25 years old people interacting in household	text (integer, Min: 0, Max: 100), Required
		Show the field ONLY if:		
		[household_interaction_ages (4)] = '1'		
	07		h	
	27	household_between_26_40	Number of 26-40 years old people interacting in household	text (integer, Min: 0, Max: 100), Required
		Show the field ONLY if: [household_interaction_ages		
		(5)] = '1'		
	28	household_between_41_64	Number of 41-64 years old people interacting in household	text (integer, Min: 0, Max: 100), Required
		Show the field ONLY if:	_	
		[household_interaction_ages		
		(6)] = '1'		
	29	household_between_65_79	Number of 65-79 years old people interacting in household	text (integer, Min: 0, Max: 100), Required
		Show the field ONLY if:		
		[household_interaction_ages (7)] = '1'		
	30	household_over_80	Number of 80 years old or older people interacting in	text (integer, Min: 0, Max: 100), Required
		Show the field ONLY if:	household	
		[household_interaction_ages		
		(8)] = '1'		
	31	residence_type	What type of residence do you live in?	radio, Required
				1 Dormitory
				2 Nursing home
				3 Apartment
				4 Single family home
				5 Other
				Overtion numbers 12
	22		Diseas describe liOtharil residence to re-	Question number: 12
	32	residence_other	Please describe "Other" residence type	text, Required
		Show the field ONLY if: [residence_type] = '5'		
	33	patient_address	What is your address? (For geocoding purposes only)	notes, Required
	33	aa.a.i e.b	The state and the state of the	Question number: 13
	34	recreational_drug_use	Do you take any recreational drugs like marijuana?	yesno, Required
				1 Yes
				0 No
	_			Question number: 14
	35	rec_drug_frequency	How often do you take recreational drugs?	dropdown, Required
		Show the field ONLY if: [recreational_drug_use] = '1'		1 daily
		[recreational_urug_use] - T		2 multiple times a week
				3 once a week
				4 multiple times a month
				5 once a month
				6 rarely
•				

		<u> </u>	T
	smoking	Do you smoke?	radio, Required
			1 I have never smoked
			2 I have never smoked regularly
			3 I used to smoke but I quit
			4 I smoke only rarely
			5 I smoke every day
			Question number: 15
3	smoking_daily_avg	How many cigarettes do you smoke a day on average?	text (integer, Min: 1, Max: 200), Required
	Show the field ONLY if: [smoking] = '5'		
3	vaping vaping	Do you vape?	radio, Required
			1 I have never vaped
			2 I have never vaped regularly
			3   I used to vape, but I quit
			4 I vape only rarely
			5 I vape very day
			Question number: 16
3	page2of4	Section Header: COVID-19 related questions	descriptive
		Page 2 of 4	·
4	diagnosed	Have you been diagnosed with COVID-19?	yesno, Required
			1 Yes
			0 No
			Question number: 17
4	testing_done	Were you tested for COVID-19?	yesno, Required
			1 Yes
			0 No
			Question number: 18
4	testing_location	Where were you tested for COVID-19?	radio, Required
	Show the field ONLY if:		1 Outpatient office or lab / drive-through
	[testing_done] = '1'		2 Emergency Department
			3 Other
	other_test_location	What is the "other" testing location indicated above?	text
	Show the field ONLY if: [testing_location] = '3'		
	symptoms_tested	Did you have symptoms when you were tested?	yesno, Required
	Show the field ONLY if:		1 Yes
	[testing_done] = '1'		0 No
	no_symptom_testing	Why were you tested?	radio, Required
	Show the field ONLY if:		1 Healthcare worker / first responder
	[symptoms_tested] = '0'		2 Susceptible family member at home
			3 Other
4	other_testing_reason	What "other" reason did you have for testing?	text, Required
	Show the field ONLY if:		
	[no_symptom_testing] = '3'		

47	symptoms	Please describe your COVID-19 symptoms (check all that	char	kbox, Required	
47	Symptoms	apply)	0 symptoms0 none		none
			1	symptoms1	cough
			2	symptoms2	sore throat
			3	symptoms3	fever > 100.4
			4	symptoms4	chills
			5	symptoms5	headache
			6	symptoms6	partial loss of smell (partial anosmia)
			7	symptoms7	complete loss of smell (anosmia)
			8	symptoms8	partial loss of taste (partial ageusia)
			9	symptoms9	complete loss of taste (ageusia)
			10	symptoms10	breathing problems
			11	symptoms11	fatigue / lethargy
			12	symptoms12	muscle pain
			13	symptoms13	runny nose
			14	symptoms14	diarrhea (>= 3 loose/looser than normal stools in 24 hr period)
			15	symptoms15	nausea or vomiting
			16	symptoms16	bluish lips/face
			17	symptoms17	confusion or inability to arouse
			18	symptoms18	chest pressure / chest pain
			19	symptoms19	mild conjunctivitis or red eye
			20	symptoms20	other
			١,	stion number: 19 I Annotation: @NC	DNEOFTHEABOVE=0
48	symptoms_cough	How many days of coughing? (If you remember)	text	(integer, Min: 0, M	lax: 100)
	Show the field ONLY if: [symptoms(1)] = '1'				
49	symptoms_cough_type	Please describe type of cough	radio	o, Required	
	Show the field ONLY if:		1	Dry	
	[symptoms(1)] = '1'		2	Wet	
50	symptoms_sore_throat	How many days with a sore throat? (If you remember)	text	(integer, Min: 1, M	lax: 100)
	Show the field ONLY if: [symptoms(2)] = '1'				
51	symptoms_fever_days	How many days with fever > 100.4? (If you remember)	text	(integer, Min: 1, M	lax: 100)
	Show the field ONLY if: [symptoms(3)] = '1'				
52	symptoms_fever_max	What was the maximum fever temperature recorded?	text	(number, Min: 100	), Max: 110), Required
	Show the field ONLY if: [symptoms(3)] = '1'				
53	symptoms_other	Please describe "other" COVID-19 symptoms	note	es, Required	
	Show the field ONLY if: [symptoms(20)] = '1'				

	dete first summaters	Data of value first average	tout (data and Min 2010 01 12)
54	date_first_symptom  Show the field ONLY if: [symptoms(1)] = '1' or [sympt oms(2)] = '1' or [symptoms(3)] = '1' or [symptoms(4)] = '1' or [symptoms(5)] = '1' or [sympt oms(6)] = '1' or [symptoms(7)] = '1' or [symptoms(8)] = '1' or [symptoms(9)] = '1' or [sympt oms(10)] = '1' or [symptoms(13)] = '1' or [symptoms(13)] = '1' or [symptoms(17)] = '1' or [symptoms(17)] = '1' or [symptoms(18)] = '1' or [symptoms(19)] = '1' or [symptoms(19)] = '1' or [symptoms(19)] = '1' or [symptoms(20)] = '1'	Date of your first symptom  Date of your first symptom is set to the future. Please check	text (date_mdy, Min: 2019-01-12)  descriptive
	Show the field ONLY if: datediff ([date_first_sympto m], "today", "d","mdy", true)<0	the date.	
56	date_symptom_resolution  Show the field ONLY if: [symptoms(1)] = '1' or [sympt oms(2)] = '1' or [symptoms(3)] = '1' or [symptoms(4)] = '1' or [symptoms(5)] = '1' or [sympt oms(6)] = '1' or [symptoms(7)] = '1' or [symptoms(8)] = '1' or [symptoms(9)] = '1' or [sympt oms(10)] = '1' or [symptoms(1 1)] = '1' or [symptoms(13)] = '1' or [symptoms(14)] = '1' or [symptoms(17)] = '1' or [symptoms(1 9)] = '1' or [symptoms(20)] = '1'	Date of your symptom resolution (if known)	text (date_mdy, Min: 2019-01-12)
57	symptom_resolution_warning Show the field ONLY if: datediff ([date_symptom_reso lution], "today", "d","mdy", tru e)<0	Date of your symprom resolution is set to the future. Please check the date.	descriptive
58	traveled	Were you abroad just before getting sick / being exposed to or being suspected for COVID-19 infection?	yesno, Required  1 Yes  0 No  Question number: 20
59	travel_country Show the field ONLY if: [traveled] = '1'	Travel to which country?	text, Required
60	travel_start_date Show the field ONLY if: [traveled] = '1'	Travel start date	text (date_mdy)
61	travel_start_warning Show the field ONLY if: datediff ([travel_start_date], "t oday", "d","mdy", true)<0	Date for your start of travel is set to the future. Please check the date.	descriptive
62	travel_end_date  Show the field ONLY if: [traveled] = '1'	Travel end date	text (date_mdy)
63	travel_end_warning Show the field ONLY if: datediff ([travel_end_date], "to day", "d","mdy", true)<0	Date for your end of travel is set to the future. Please check the date.	descriptive

64	exposure_known	Were you exposed to an individual known or suspected to	radio	o, Required		
54	S.posare_Mown	have COVID-19?				
				Yes; Suspected		
			3 1	•		
			$I \vdash \vdash$	Not sure		
			Ques	stion number: 21		
65	exposure_location	Was this at home, work, or elsewhere?		o, Required Home		
	Show the field ONLY if: [exposure_known] = '1' or [ex		11			
	posure_known] = '2'		11	Work Elsewhere		
			1			
66	medication_treatment	Were you treated with any medications for your COVID-19 illness?	yesn 1	o, Required		
	Show the field ONLY if: [diagnosed] = '1'		0 1			
67			┞			
67	medications_used	Do you know if doctors used any of the following medications to treat your COVID-19 illness (Check all that	cnec 1	kbox, Required medications_used1	NSAIDs (ibuprofen,	
	Show the field ONLY if: [medication_treatment] = '1'	apply)?		medications_asea1	aspirin, naproxen,	
					celecoxib, diclofenac, indomethacin,	
					piroxicam)	
			2	medications_used2	Acetaminophen (Tylenol)	
			3	medications_used3	Corticosteroids	
					(prednisone, methylprednisolone,	
					dexamethasone,	
					hydrocortisone)	
			4	medications_used4	IL-6 pathway blockers (sarilumab,	
					tocilizumab,	
			<u> </u>		siltuximab)	
			5	medications_used5	JAK inhibitors (baricitinib, ruxolitinib,	
					fedratinib, tofacitinib)	
			6	medications_used6	Remdesivir (GS-5735)	
					or another protease inhibitor	
			7	medications_used7	Tamiflu (oseltamivir) or	
					Xofluza (baloxavir marboxil)	
			8	medications_used8	Chloroquine or	
					Hydroxychloroquine	
			9	medications_used9	Sofosbuvir	
				medications_used10	Ribavirin	
				medications_used11	Interferon Alpha	
				medications_used12	Other	
				medications_used13	Don't know	
			14	medications_used14	Prefer not to answer	
			Field	Annotation: @NONEOFT	HEABOVE=14	
68	medications_used_other	What other medication (s) did doctors use to treat your	note	s, Required		
	Show the field ONLY if:	COVID-19 illness?				
	[medications_used(12)] = '1'		<u> </u>			
69	page3of4	Section Header: General Health questions	desc	riptive		
		Page 3 of 4	1			

				li D : I		
	70	rate_general_health	How would you rate your general health?	radio, Required  1 Excellent 2 Good 3 Fair		
				4 Poor		
				Question number: 22		
	71	social_profile	Describe your usual level of social interactions with other people when not under stay at home and/or social	radio, Required		
			distancing?	1 I go out a lot (4-7 times/week)		
				2 I go out sometimes (2-3 times/week)		
				3 I keep to myself mainly (1 or less times/week)		
				Question number: 23		
	72	practicing_distancing	How would you rate your compliance on a scale of 1-5 about social distancing measures as recommended by CDC?	radio, Required		
			( 1 being not following guidelines to 5 being following all	1 1		
			guidelines)	2 2		
				3 3		
				4 4		
				5 5		
				Custom alignment: RH		
				Question number: 24		
	73	start_distancing	When did you start social distancing?	text (date_mdy), Required		
		Show the field ONLY if: [practicing_distancing] > 1				
	74	start_distance_warning	Date for start of social distancing is set to the future. Please	descriptive		
		Show the field ONLY if: datediff ([start_distancing], "to day", "d","mdy", true)<0	check the date.			
	75	diseases_list	Has your doctor or any medical provider ever told you that	checkbox, Required		
			you have any of the following diseases? (check all that	1 diseases_list1 Lung disease		
			apply)	2 diseases_list2 Heart disease		
				3 diseases_list3 Hypertension/ high blood pressure		
				4 diseases_list4 Hyperlipidemia/ hypercholestrolemia		
				5 diseases_list5 Anemia		
				6 diseases_list6 Liver Disease		
				7 diseases_list7 Diabetes		
				8 diseases_list8 Obesity		
				9 diseases_list9 Joint Diseases		
				10 diseases_list10 Inflamatory bowel disease		
				11 diseases_list11 Cancer		
				12 diseases_list12 Cystic Fibrosis		
				13 diseases_list13 Chronic Kidney Disease		
				14 diseases_list14 Neurological disorder		
				15 diseases_list15 Dementia		
				16 diseases_list16 Other		
				17 diseases_list17 None of the above		
				Question number: 25		
				Field Annotation: @NONEOFTHEABOVE=17		
<u> </u>	+	!				

76	lung_disease	What type of lung disease?	radio, Required
'0	Show the field ONLY if:	Triac type of faing discuse.	1 Asthma
	[diseases_list(1)] = '1'		2 Chronic obstructive pulmonary disease (COPD)
			3 Idiopathic pulmonary fibrosis
			4 Bronchtiectasis
			5 Alpha-1 antitrypsin deficency
			6 Other lung disorder
77	another_lung_disease	Please specify which other lung disorder you were	text, Required
	Show the field ONLY if: [lung_disease] = '6'	diagnosed with	
78	heart_disease_type	Which type of heart disease do you have? (check all that	checkbox, Required
	Show the field ONLY if: [diseases_list(2)] = '1'	apply)	1 heart_disease_type1 Congenital Heart disease
			2 heart_disease_type2 Coronory artery disease/ history of myocardial infarction
			3 heart_disease_type3 Congestive heart failure
			4 heart_disease_type4 Other
79	heart_disease_type_other	Please list "other" type of heart disease	text
	Show the field ONLY if: [heart_disease_type(4)] = '1'		
80	diabetes_type Show the field ONLY if: [diseases_list(7)] = '1'	Diabetes type	radio, Required  1 Type 1  2 Type 2
81	arthritis_type  Show the field ONLY if: [diseases_list(9)] = '1'	What type of joint disease?	radio, Required  1 Rheumatoid arthritis 2 Osteoarthritis 3 Other
82	joint_disease_other	What "other" type of joint disease?	text, Required
	Show the field ONLY if: [arthritis_type] = '3'		

	83	cancer_type	Cancer type	chec	kbox, Required	
		Show the field ONLY if:	Santa April	1	cancer_type1	Anal cancer
		[diseases_list(11)] = '1'		2	cancer_type2	Bladder cancer
				3	cancer_type3	Breast cancer
				4	cancer_type4	Brain cancer
				5	cancer_type5	Cervical cancer
				-		
				6	cancer_type6	Colon cancer
				7	cancer_type7	Esophageal cancer
				8	cancer_type8	Gallbladder cancer
				9	cancer_type9	Head and Neck Cancer of any site (Nose, mouth, tongue, throat)
				10	cancer_type10	Kidney cancer (also known as Renal Cell Carcinoma)
				11	cancer_type11	Leukemia - Acute Leukemia (AML or ALL)
				12	cancer_type12	Leukemia - Chronic myeloid leukemia (CML)
				13	cancer_type13	Liver cancer (also known as Hepatocellular carcinoma)
				14	cancer_type14	Lung cancer
				15	cancer_type15	Lymphoma (Hodgkins or non-Hodgkins)
				16	cancer_type16	Melanoma
				17	cancer_type17	Non-melanoma skin cancer (Basal or Squamous cell cancers)
				18	cancer_type18	Multiple myeloma
				19	cancer_type19	Ovarian cancer
				20	cancer_type20	Pancreatic cancer
				21	cancer_type21	Prostate cancer
				22	cancer_type22	Sarcoma
				23	cancer_type23	Stomach cancer (also known as Gastric cancer)
				24	cancer_type24	Testicular cancer
				25	cancer_type25	Thyroid cancer
				26	cancer_type26	Uterine cancer (also known as Endometrial cancer)
				27	cancer_type27	A cancer not listed above
	84	other_cancer_type  Show the field ONLY if: [cancer_type(27)] = '1'	Please specify the type of cancer that was not listed above	text		
	85	cancer_treatment	Cancer treatments received	checkbox		
		Show the field ONLY if:		1	cancer_treatment	_1 Drugs
		[diseases_list(11)] = '1'		2	cancer_treatment	_2 Radiation
				3	cancer_treatment	_3 Immunotherapy
	86	past_cancer_treatment	How long ago was cancer treated?	text,	Required	
		Show the field ONLY if: [cancer_treatment(1)] = '1' or [cancer_treatment(2)] = '1' or [cancer_treatment(3)] = '1'				
	87	dialysis	Are you currently on dialysis for chronic kidney disease?	yesr	o, Required	
		Show the field ONLY if: [diseases_list(13)] = '1'		1 0	Yes No	
Ш				لٽا		

88	neurological_type  Show the field ONLY if: [diseases_list(14)] = '1'	What type of neurological disorder?	1 2 1 3 1 4 1	o, Required Amyotrophic lateral sclerosis (ALS) Multiple Sclerosis Parkinson's Huntington's Other	
89	neurological_type_other  Show the field ONLY if: [neurological_type] = '5'	What "other" type of neurological disorder?	text,	Required	
90	other_disease Show the field ONLY if: [diseases_list(16)] = '1'	Please specify any "other" chronic illness or disease you have been diagnosed with	note	s, Required	
91	organ_transplant_hx	Have you ever had an organ transplant?	yesno, Required  1 Yes 0 No  Question number: 26		
92	organ_transplant Show the field ONLY if: [organ_transplant_hx] = '1'	Which organ?	text, Required		
93	immune_related_conditions	Have you ever been diagnosed with an immune related condition?	chec 1	kbox, Required immune_related_conditions1	Autoimmune condition
			2	immune_related_conditions2	Inflammatory condition
			3	immune_related_conditions3	Periodic/Freque fever
			4	immune_related_conditions4	Immune deficiency
			5	immune_related_conditions5	Recurrent warts or viral skin infections
			6	immune_related_conditions6	Seasonal Allergies/Hay Fever
			7	immune_related_conditions7	Food allergies
			8	immune_related_conditions8	Cold sores
			9	immune_related_conditions9	Shingles
			10	immune_related_conditions10	Eczema
			11	immune_related_conditions11	Hives
			12	immune_related_conditions12	None of the above
			Field	lestion number: 27 ld Annotation: @NONEOFTHEABOVE=12	
94	autoimmune_dx	What autoimmune condition have you been diagnosed with?		neckbox, Required	
	Show the field ONLY if: [immune_related_conditions		+	autoimmune_dx1 thyroid autoimmune_dx2 lupus	
	(1)] = '1'			autoimmune_dx2   lupus autoimmune_dx3   multiple scle	arosis
			1	autoimmune_dx4   cytopenia	:10313
					nmatory bowel
			6	autoimmune_dx6 other	
			<u>التا</u>		

	95	other_autoimmune_dx  Show the field ONLY if: [autoimmune_dx(6)] = '1'	What other autoimmune condition have you been diagnosed with?	text,	Required		
	96	inflammatory_dx Show the field ONLY if: [immune_related_conditions (2)] = '1'	What inflammatory condition have you been diagnosed with?	text,	text, Required		
	97	meds_taken	Are you currently taking any of the following (at least once a	chec	kbox, Required		
			week) ? (Check all that apply)	1	meds_taken1	Conventional nonsteroidal anti-inflammatory agents NSAIDS (aspirin, celecoxib, diclofenac (Cambia, Cataflam, Voltaren), diflunisal, etodolac, ibuprofen (Motrin, Advil), indomethacin (Indocin), ketoprofen, ketorolac, nambumetone, naproxen (Aleve, Anaprox, Naprelan, Naprosyn), oxaprozin (Daypro), piroxicam (Feldene), salsalate (Disalate), sulidnac, tolmetin)	
				2	meds_taken2	Acetaminophen (Benadryl, Excedrin, Robitussin, Sinutab, Sudafed, Tylenol, Vicks, and others)	
				3	meds_taken3	Asthma Meds (bronchodilator Ventolin,albuterol)	
				4	meds_taken4	Corticosteroids(not inhaled), eg. Prednisone	
				5	meds_taken5	Inhaled corticosteroids	
				6	meds_taken6	Inhaled Bronchodialators	
				7	meds_taken7	Nerve pain medication, Gabapetin	
				8	meds_taken8	Diabetic medication,Metformin	
				9	meds_taken9	Anti-TNF medications (infliximab, adalimumab, certolizumab, golimumab, etanercept, others)	
				10	meds_taken10	Blood Thinning Medications (Eliquis, Xarelto, Coumadin, Warfarin, etc.)	
				11	meds_taken11	ACE inhibitors for the treatment of hypertension (Benazepril, Captopril, Fosinopril, Lisinopril, etc.)	
				12	meds_taken12	A statin to lower cholesterol (such as atorvastatin or simvastatin)	
				13	meds_taken13	Angiotensin Receptor Blockers forhypertension (Edarbi, Atacand, Eprosartan, Avapro, etc.)	
				14	meds_taken14	JAK Inhibitors (Baricitinib, ruxolitinib, fedratinib, tofacitinib)	
				15	meds_taken15	Hydroxychloroquine	
				16	meds_taken16	IL-6 pathway inhibitors (sarilumab,tocilizumab, siltuximab, others)	

	[meds_taken(5)] = '1'		0 No
110	inh_cortico_daily Show the field ONLY if:	Do you take inhaled corticosteroids daily?	yesno, Required  1 Yes
	Show the field ONLY if: [meds_taken(4)] = '1'		
109		How many doses of corticosteroids daily?	0 No text
	Show the field ONLY if: [meds_taken(4)] = '1'		1 Yes
108		Do you take corticosteroids as prescribed?	vesno, Required
107	cortico_daily  Show the field ONLY if:  [meds_taken(4)] = '1'	Do you take corticosteroids daily?	yesno, Required
	Show the field ONLY if: [meds_taken(3)] = '1'		
106	asthma_meds_num_doses	How many doses of asthma meds daily?	text
	Show the field ONLY if: [meds_taken(3)] = '1'		1 Yes 0 No
105	asthma_meds_as_prescribed	Do you take asthma meds as prescribed?	yesno, Required
104	asthma_meds_daily  Show the field ONLY if: [meds_taken(3)] = '1'	Do you take asthma meds daily?	yesno, Required  1 Yes  0 No
	Show the field ONLY if: [meds_taken(2)] = '1'	December of the control of the contr	Description
103		How many doses of Acetaminophen daily?	text
102	Show the field ONLY if: [meds_taken(2)] = '1'	Do you take acetaminophen as prescribed?	yesno, Required  1 Yes  0 No
	Show the field ONLY if: [meds_taken(2)] = '1'	Do you take acetaminophen (Benadryl, Excedrin, Robitussin, Sinutab, Sudafed, Tylenol, Vicks, and others) daily?	yesno, Required  1 Yes 0 No
101	Show the field ONLY if: [meds_taken(1)] = '1'	inflammatory agents (NSAIDS) daily?	
100	[meds_taken(1)] = '1'	How many doses of conventional nonsteroidal anti-	0 No text
99	nsaids_as_prescribed Show the field ONLY if:	Do you take conventional nonsteroidal anti-inflammatory agents (NSAIDS) as prescribed?	yesno, Required  1 Yes
98	nsaids_daily  Show the field ONLY if: [meds_taken(1)] = '1'	Do you take conventional nonsteroidal anti-inflammatory agents (NSAIDS) daily?	yesno, Required  1 Yes  0 No
			Question number: 28 Field Annotation: @NONEOFTHEABOVE=20
			19 meds_taken19 Other (prescribed/non-prescribed/vitamins or supplements)  20 meds_taken20 None of the above
			18 meds_taken18 A beta-blocker to lower blood pressure (metoprolol, atenolol, tramadol,)
			17 meds_taken17 Thyroid medication levothryroxyne

	111	inh cortice as prescribed	Do you take inhaled corticostoroids as prossribed?	vosno Poquirod
	111	inh_cortico_as_prescribed	Do you take inhaled corticosteroids as prescribed?	yesno, Required 1 Yes
		Show the field ONLY if: [meds_taken(5)] = '1'		
		[meus_taken(5)] = 1		0 No
	112	inh_cortico_num_doses	How many doses of inhaled corticosteroids daily?	text
		Show the field ONLY if: [meds_taken(5)] = '1'		
	113	dilators_daily	Do you take inhaled bronchodilators daily?	yesno, Required
		Show the field ONLY if:		1 Yes
		[meds_taken(6)] = '1'		0 No
	114	dilators_as_prescribed	Do you take inhaled bronchodilators as prescribed?	yesno, Required
		Show the field ONLY if:		1 Yes
		[meds_taken(6)] = '1'		0 No
	115	dilators_num_doses	How many doses of inhaled bronchodilators daily?	text
		Show the field ONLY if: [meds_taken(6)] = '1'		
	116	nerve_med_daily	Do you take nerve pain medication (Gabapetin) daily?	yesno, Required
		Show the field ONLY if:		1 Yes
		[meds_taken(7)] = '1'		0 No
	447	and a second and a second and	Developed a service and institute (Calcaratio) as	La constant de la con
	117	nerve_med_as_prescribed	Do you take nerve pain medication (Gabapetin) as prescribed?	yesno, Required
		Show the field ONLY if: [meds_taken(7)] = '1'		1 Yes
		[meds_taken(7)] = 1		0 No
	118	nerve_med_num_doses	How many doses of nerve pain medication (Gabapetin)	text
		Show the field ONLY if:	daily?	
		[meds_taken(7)] = '1'		
	119	diabetic_daily	Do you take diabetic medication (Metformin) daily?	yesno, Required
		Show the field ONLY if:		1 Yes
		[meds_taken(8)] = '1'		0 No
	120	diabetic_as_prescribed	Do you take diabetic medication (Metformin) as prescribed?	yesno, Required
		Show the field ONLY if:		1 Yes
		[meds_taken(8)] = '1'		0 No
	121	diabetic_num_doses	How many doses of diabetic medication (Metformin) daily?	text
		Show the field ONLY if:		
		[meds_taken(8)] = '1'		
	122	anti_tnf_daily	Do you take anti-TNF medications (infliximab, adalimumab,	yesno, Required
		Show the field ONLY if:	certolizumab, golimumab, etanercept, others) daily?	1 Yes
		[meds_taken(9)] = '1'		0 No
$\vdash$	123	anti_tnf_as_prescribed	Do you take conventional anti-TNF medications (infliximab,	yesno, Required
	3	Show the field ONLY if:	adalimumab, certolizumab, golimumab, etanercept, others)	1 Yes
		[meds_taken(9)] = '1'	as prescribed?	0 No
	124	anti_tnf_num_doses	How many doses of anti-TNF medications (infliximab,	text
	124		adalimumab, certolizumab, golimumab, etanercept, others)	· cont
		Show the field ONLY if: [meds_taken(9)] = '1'	daily?	
	125	thinner_daily	Do you take blood thinning medications (Eliquis, Xarelto,	yesno, Required
		Show the field ONLY if:	Coumadin, Warfarin, etc.) daily?	1 Yes
		[meds_taken(10)] = '1'		0 No
	126	thinner_as_prescribed	Do you take conventional blood thinning medications	yesno, Required
		Show the field ONLY if:	(Eliquis, Xarelto, Coumadin, Warfarin, etc.)as prescribed?	1 Yes
		[meds_taken(10)] = '1'		0 No
ш			1	

	127	thinner_num_doses Show the field ONLY if:	How many doses of blood thinning medications (Eliquis, Xarelto, Coumadin, Warfarin, etc.)daily?	text
		[meds_taken(10)] = '1'		
	128	ace_inhib_daily	Do you take ACE inhibitors for the treatment of	yesno, Required
		Show the field ONLY if:	hypertension (Benazepril, Captopril, Fosinopril, Lisinopril, etc.) daily?	1 Yes
		[meds_taken(11)] = '1'	3.5., 2.5., 9	0 No
	129	ace_inhib_as_prescribed	Do you take ACE inhibitors for the treatment of	yesno, Required
		Show the field ONLY if:	hypertension (Benazepril, Captopril, Fosinopril, Lisinopril,	1 Yes
		[meds_taken(11)] = '1'	etc.) as prescribed?	0 No
	130	ace_inhib_num_doses	How many doses of ACE inhibitors for the treatment of hypertension (Benazepril, Captopril, Fosinopril, Lisinopril,	text
		Show the field ONLY if: [meds_taken(11)] = '1'	etc.) daily?	
	131	statin_daily	Do you take a statin to lower cholesterol (such as	yesno, Required
	131	•	atorvastatin or simvastatin) daily?	1 Yes
		Show the field ONLY if: [meds_taken(12)] = '1'	•	
		[meds_taken(12)]		0 No
	132	statin_as_prescribed	Do you take a statin to lower cholesterol (such as	yesno, Required
		Show the field ONLY if:	atorvastatin or simvastatin) as prescribed?	1 Yes
		[meds_taken(12)] = '1'		0 No
	133	statin_num_doses	How many doses of a statin to lower cholesterol (such as	text
		Show the field ONLY if:	atorvastatin or simvastatin) daily?	
		[meds_taken(12)] = '1'		
	134	angiotensin_daily	Do you take angiotensin receptor blockers for hypertension	yesno, Required
		Show the field ONLY if:	(Edarbi, Atacand, Eprosartan, Avapro, etc.) daily?	1 Yes
		[meds_taken(13)] = '1'		0 No
	135	angiotensin_as_prescribed	Do you take angiotensin receptor blockers for hypertension	yesno, Required
	133		(Edarbi, Atacand, Eprosartan, Avapro, etc.)as prescribed?	1 Yes
		Show the field ONLY if: [meds_taken(13)] = '1'		<del>                                    </del>
		[eas_taile(15)]		0 No
	136	angiotensin_num_doses	How many doses of angiotensin receptor blockers for	text
		Show the field ONLY if:	hypertension (Edarbi, Atacand, Eprosartan, Avapro, etc.)daily?	
		[meds_taken(13)] = '1'	, ,	
	137	jak_daily	Do you take JAK Inhibitors (Baricitinib, ruxolitinib, fedratinib, tofacitinib) daily?	yesno, Required
		Show the field ONLY if:	toracitinis) daily?	1 Yes
		[meds_taken(14)] = '1'		0 No
	138	jak_as_prescribed	Do you take JAK Inhibitors (Baricitinib, ruxolitinib, fedratinib,	yesno, Required
		Show the field ONLY if:	tofacitinib) as prescribed?	1 Yes
		[meds_taken(14)] = '1'		0 No
	139	jak_num_doses	How many doses of JAK Inhibitors (Baricitinib, ruxolitinib,	text
			fedratinib, tofacitinib) daily?	
		Show the field ONLY if: [meds_taken(14)] = '1'		
	140	hydroxychlor_daily	Do you take Hydroxychloroquine daily?	yesno, Required
		Show the field ONLY if:		1 Yes
		[meds_taken(15)] = '1'		0 No
$\vdash$	1/11	hydroxychlor ac procesibed	Do you take Hydroxychlorequine as procesiled?	
	141	hydroxychlor_as_prescribed	Do you take Hydroxychloroquine as prescribed?	yesno, Required
		Show the field ONLY if: [meds_taken(15)] = '1'		
		[meas_taken(15)] = 1		0 No
	142	hydroxychlor_num_doses	How many doses of Hydroxychloroquine daily?	text
		Show the field ONLY if:		
		[meds_taken(15)] = '1'		

143	il6_daily	Do you take IL-6 pathway inhibitors (sarilumab,tocilizumab,	yesno, Required
	Show the field ONLY if: [meds_taken(16)] = '1'	siltuximab, others) daily?	1 Yes 0 No
144	il6_as_prescribed	Do you take IL-6 pathway inhibitors (sarilumab,tocilizumab,	yesno, Required
	Show the field ONLY if: [meds_taken(16)] = '1'	siltuximab, others) as prescribed?	1 Yes 0 No
145	il6_num_doses  Show the field ONLY if: [meds_taken(16)] = '1'	How many doses of IL-6 pathway inhibitors (sarilumab,tocilizumab, siltuximab, others) daily?	text
146	thyroid_med_daily Show the field ONLY if: [meds_taken(17)] = '1'	Do you take thyroid medication levothryroxyne daily?	yesno, Required  1 Yes 0 No
147	thyroid_med_as_prescribed Show the field ONLY if: [meds_taken(17)] = '1'	Do you take thyroid medication levothryroxyneas prescribed?	yesno, Required  1 Yes  0 No
148	thyroid_med_doses Show the field ONLY if: [meds_taken(17)] = '1'	How many doses of thyroid medication levothryroxyne daily?	text
149	beta_blocker_daily Show the field ONLY if: [meds_taken(18)] = '1'	Do you take a beta-blocker to lower blood pressure (metoprolol, atenolol, tramadol,) daily?	yesno, Required  1 Yes  0 No
150	beta_blocker_as_prescribed  Show the field ONLY if: [meds_taken(18)] = '1'	Do you take a beta-blocker to lower blood pressure (metoprolol, atenolol, tramadol,) as prescribed?	yesno, Required  1 Yes  0 No
151	beta_blocker_num_doses  Show the field ONLY if: [meds_taken(18)] = '1'	How many doses of a beta-blocker to lower blood pressure (metoprolol, atenolol, tramadol,) daily?	text
152	drug_head Show the field ONLY if: [meds_taken(19)] = '1'	Please describe information on other drugs below	descriptive
153	other_drug_types Show the field ONLY if: [meds_taken(19)] = '1'	What other classes of drugs do you regularly take?	checkbox, Required  1 other_drug_types1 Prescribed  2 other_drug_types2 Non-Prescribed  3 other_drug_types3 Vitamins/Supplements
154	other_drug_1 Show the field ONLY if: [meds_taken(19)] = '1'	Other drug/vitamin/supplement name	text, Required
155	other_daily_1 Show the field ONLY if: [meds_taken(19)] = '1'	Do you take [other_drug_1] daily?	yesno, Required  1 Yes  0 No
156	other_check_1 Show the field ONLY if: [meds_taken(19)] = '1'	Do you take any other drugs/vitamins/supplements?	yesno, Required  1 Yes  0 No
157	other_drug_2 Show the field ONLY if: [other_check_1] = '1'	Other drug/vitamin/supplement name	text, Required
158	other_daily_2 Show the field ONLY if: [other_check_1] = '1'	Do you take [other_drug_2] daily?	yesno, Required  1 Yes  0 No

159	Do you take any other drugs/vitamins/supplements?	yesno, Required 1 Yes
	'1'	0 No
160		text, Required
	ILY if:	
161		yesno, Required 1 Yes
	ILY if: '1'	0 No
162	Do you take any other drugs/vitamins/supplements?	yesno, Required
	ILY if:	1 Yes 0 No
163	Other drug/vitamin/supplement name	text, Required
	ILY if:	
164		yesno, Required
	ILY if:	1 Yes 0 No
165	Do you take any other drugs/vitamins/supplements?	yesno, Required
	ILY if:	1 Yes 0 No
166	Other drug/vitamin/supplement name	text, Required
	JLY if: '1'	
167	Do you take [other_drug_5] daily?	yesno, Required
	ILY if:	1 Yes 0 No
168	Do you take any other drugs/vitamins/supplements?	yesno, Required
	ILY if:	1 Yes 0 No
169	Other drug/vitamin/supplement name	text, Required
	ILY if:	
170		yesno, Required  1 Yes
	ILY if: '1'	0 No
171		yesno, Required
	ILY if: '1'	1 Yes 0 No
172		text, Required
	ILY if:	
173		yesno, Required
	ILY if: '1'	0 No
174	red Did you get a flu vaccine this season (last 6 months)?	radio, Required
		1 Yes 2 No
		3 Do not remember
		Question number: 29
		3 Do not re

175	flu_vaccine_date Show the field ONLY if:	Date you received vaccine (if remembered)	text (date_mdy)
	[flu_vaccine_received] = '1'		
176	flu_vaccine_warning  Show the field ONLY if: datediff ([flu_vaccine_date], "t oday", "d","mdy", true)<0	Date for flu vaccine is set to the future. Please check the date.	descriptive
177	last_flu_remembered	Do you remember the last time you got flu or flu-like illness prior to COVID pandemic?	yesno, Required  1 Yes 0 No  Question number: 30
178	last_flu_year Show the field ONLY if: [last_flu_remembered] = '1'	Approximately, what year was the last flu or flu-like illness?	text (integer, Min: 1900, Max: 2020)
179	last_flu_month  Show the field ONLY if: [last_flu_remembered] = '1'	Approximately, what month in [last_flu_year] did you have the flu?	dropdown (autocomplete)  1  January 2  February 3  March 4  April 5  May 6  June 7  July 8  August 9  September 10  October 11  November 12  December
180	last_flu_warning Show the field ONLY if: [last_flu_year]>2020	Year of your last flu or flu-like illness is set to the future. Please check the date.	descriptive
181	last_flu_hospital Show the field ONLY if: [last_flu_remembered] = '1'	Did you get hospitalized due to flu?	yesno, Required  1 Yes  0 No
182	flu_frequency	How often do you get flu or flu-like illness?	radio, Required  1 Never 2 Rarely 3 Once a year 4 Twice a year or more  Question number: 31
183	last_antibiotics	When were you on your last course of antibiotics?	radio, Required  1 Currently  2 This month  3 Last month  4 In past 2 months  5 In past 6 months  6 In the last year  7 Over a year  8 Never/Do not remember  Question number: 32

184	antibiotics_purpose  Show the field ONLY if: [last_antibiotics] = '1' or [last_antibiotics] = '2' or [last_antibiotics] = '3' or [last_antibiotics] = '4' or [last_antibiotics] = '6' or [last_antibiotics] = '6' or [last_antibiotics] = '7'	For what purpose, were you prescribed antibiotics the last	checkbox, Required		
		time you took antibiotics?(Check all that apply)	1 antibiotics_purpose1 respiratory infection		
					(e.g. strep throat, sinusitis, bronchitis, pneumonia)
			2	antibiotics_purpose	gastroenteritis, which caused diarrhea and/or vomiting
			3	antibiotics_purpose:	3 urinary tract infection
			4	antibiotics_purpose	infection of the skin or a wound
			5	antibiotics_purpose	other purpose
			6	antibiotics_purpose	5 I don't know
185	page4of4	Section Header: Personal Lifestyle Questions Page 4 of 4	des	scriptive	
186	education_level	What is your education level?	rac	lio, Required	
			1	Primary/elementary sc	nool
			2	Vocational school	
			3	High school	
			4	College / Bachelors deg	ree
			5	Masters degree or high	er
			<u> </u>	estion number: 33	
187	job_title	What is your job title?	Ť	estion number: 34	
188	hazard_exposure	Are you exposed to any particular hazards in your job?	che	eckbox, Required	
			1	- '	Fumes
			2		Medical facilities
				- '	Lead
			4		Asbestos
			5		Work that causes excessive sweat/dehydration/physical
			6	hazard_exposure6	Other
			7	hazard_exposure7	None of the above
			`	estion number: 35 ld Annotation: @NONEC	FTHEABOVE=7
189	hazard_other	Please describe the other hazards in your job	no	tes, Required	
	Show the field ONLY if: [hazard_exposure(6)] = '1'				
190	exercise_level	What is the level of your usual physical activity?	rac	lio, Required	
			1	I read, watch TV, and po physically taxing	erform chores that are not
			2	I walk, bike, or are othe many days a week. Incl activities: walking, fishi gardening work	
			3	I do endurance sports i Including jogging, skiin calisthenics, swimming taxing gardening work.	g, weight lifting, , ball games and physically
			4	I train for competitive s times a week.	ports for regularly, many
			Qu	estion number: 36	

191	exercise_location  Show the field ONLY if: [exercise_level] = '3' or [exercise_level] = '4'	Where do you exercise? (Check all that apply)	checkbox, Required  1 exercise_location1 At home  2 exercise_location2 Gym  3 exercise_location3 Outdoors
192	exercise_days_home Show the field ONLY if: [exercise_location(1)] = '1'	How many days a week do you exercise at home?	text (integer), Required
193	exercise_days_gym  Show the field ONLY if: [exercise_location(2)] = '1'	How many days a week do you exercise at a gym?	text (integer), Required
194	exercise_days_outdoors Show the field ONLY if: [exercise_location(3)] = '1'	How many days a week do you exercise outdoors?	text (integer), Required
195	covid19_patient_survey_complete	Section Header: Form Status  Complete?	dropdown  0 Incomplete  1 Unverified  2 Complete