Variable Exploration

A. Household Pulse Survey Phases

- <u>Phase 1</u>: April 23, 2020 - July 21, 2020
- <u>Phase 2</u>: August 19, 2020 - October 26, 2020
- <u>Phase 3</u>: Octber 28, 2020 - March 29, 2021
- <u>Phase 3.1</u>: April 14, 2021 - Beginning of July (scheduled)
    - Data released May 5 2021, subsequent releases made every two weeks through July

Note: Public Use Files for Phase 3.1 hasn't been released. There are data tables available but no raw data files yet.

C. Pulse Variables of Interest

	Variable Name	Phases	Description
Background	TBIRTH_YEAR	1, 2, 3, 3.1	Year of birth
	EGENDER	1, 2, 3, 3.1	Gender
	RHISPANIC	1, 2, 3, 3.1	Hispanic origin
	RRACE	1, 2, 3, 3.1	Race
	EEDUC	1, 2, 3, 3.1	Educational Attainment
	MS	1, 2, 3, 3.1	Marital Status
	THHLD_NUMKID	1, 2, 3, 3.1	Total number of people under 18-years-old in household
	THHLD_NUMADLT	1, 2, 3, 3.1	Recode for the number of Adults in the household
	LIVQTR	1, 2, 3, 3.1	Building type: mobile home, one-family house, etc.
Health/ COVID-19	RECVDVACC	3, 3.1	Received COVID - 19 vaccine
	GETVACC	3, 3.1	Intention on getting vaccine
	WHYNOTB (1-6)	3, 3.1	Why believe you don't need vaccine
	HADCOVID	3, 3.1	Doctor or provider told you that you have COVID
	HLTHINS (1-8)	1, 2, 3, 3.1	Health Insurance Coverage

	Variable Name	Phases	Description
Employment	WRKLOSS	1, 2, 3, 3.1	Recent household loss of employment income
	EXPCTLOSS	1, 2, 3, 3.1	Expected household loss of employment income
	ANYWORK	1, 2, 3, 3.1	Employment status for last 7 days
	KINDWORK	1, 2, 3, 3.1	Sector of employment
	WRKVL_OUT	3.1	Worked or volunteered outside of home
	WRKVL_LOC	3.1	Primary location of work or volunteering (essential work industries)
	UI_APPLY	2, 3, 3.1	UI Applied
	UI_RECV	2, 3, 3.1	UI Received
Financial Security General	EIP	3, 3.1	Receipt and use of Economic Impact Payment (Stimulus)
	EIPUSE	3.1	How was EIP used
	EIOSPND (1-13)	3, 3.1	What was stimulus payment spent on
	WHYCHNGD (1-13)	1, 2, 3, 3.1	Why did household spending change
	SPNDSRC (1-8)	2, 3, 3.1	Sources of income and funds for spending needs
	INCOME	1, 2, 3, 3.1	Total household income (before taxes)
	EXPNS_DIF	2, 3, 3.1	Difficulty with expenses
Food Security	CURFOODSUF	1, 2, 3, 3.1	Household food sufficiency for last 7 days
	CHILDFOOD	1, 2, 3, 3.1	Children not eating enough because we couldn't afford enough food
	FOODSUFRSN (1-5)	1, 2, 3, 3.1	Why did you not have enough to eat?
	FREEFOOD	1, 2, 3, 3.1	Free groceries or a free meal over last 7 days
	WHEREFREE (1-7)	1, 2, 3, 3.1	Where did you get free groceries or free meals?
	SNAP_YN	2, 3, 3.1	SNAP Receipt
	TSPNDFOOD	2, 3, 3.1	Household money spent in last 7 days on food to be prepared and eaten at home
	TSPNDPRPD	2, 3, 3.1	Household money spent in last 7 days on prepared meals
	FOODSCHOOL	3.1	Did students in household receive food assistance from schools
	FOODSCHOOLTYP	3.1	Type of school-based food assistance

	Variable Name	Phases	Description
Housing Security	RENTCUR	2, 3, 3.1	Caught up on rent
	MORTCUR	1, 2, 3, 3.1	Caught up on mortgage
	MORTCONF	1, 2, 3, 3.1	Confidence in ability to pay mortgage or rent next month
	EVICT	2, 3, 3.1	Eviction likelihood in next two months
	FORECLOSE	2, 3, 3.1	Forclose likelihood in next two months
Mental Wellbeing	ANXIOUS	1, 2, 3, 3.1	Frequency of anxiety over previous 7 days
	WORRY	1, 2, 3, 3.1	Frequency of worry over previous 7 days
	DOWN	1, 2, 3, 3.1	Frequency of feeling depressed over previous 7 days
Location	EST_ST	1, 2, 3, 3.1	State
	EST_MSA	1, 2, 3, 3.1	Metropolitan statistical area

D. Relevant variables outside of Pulse

Besides information by state, I'm adding information at the county level as well. I've seen several sources aggregate county-level information to get MSA data.

Variable	Source	Details
Covid rates in state	NYT Data By US State	Updated daily since January 2020
Covid rates in county	NYT Data by US County	Updated daily since January 2020. This tracker has information by MSA which it creates by aggregating county level information.
Vaccination rate in state	CDC vaccination tracker by state	Linked to the dashboard. The link to the actual raw data is here.
Vaccination rate in county	CDC vaccination tracker by county	From the CDC website, "data presented here use standard metrics across all United States counties. For the most accurate and up-to-date data for a specific county or state, visit the relevant state or local health department website." So I think an alternative strategy could be to pull data from the relevant county websites.

Variable	Source	Details
Vaccination rate by demographics	CDC - demographic characteristics of Covid-19 vaccinations	Distribution of vaccination rate by race and ethnicity, age, and gender.
Risk of infection in occupational group	UCSF research on excess mortality by occupational sector	Research is only for California and I couldn't find anything for the US as a whole. I'll keep looking over the next few days.
Unemployment rate in state	Track the recovery	OI has daily updates. The latest BLS data is from March 2021
Unemployment rate in county	Track the recovery	
Unemployment rate in metropolitan area	U.S. Bureau of Labor Statistics	Last updated in March
Unemployment rate in industry	U.S. Bureau of Labor Statistics	Also disaggregated by sex