Covid19

```
library(ggplot2)
Warning: package 'ggplot2' was built under R version 4.3.1
  vax <- read.csv("d4ff0cd9-d6d7-47a7-a5cb-28572c552298.csv")</pre>
  head(vax)
  X_id as_of_date zip_code_tabulation_area local_health_jurisdiction
     1 2021-01-05
                                       91402
                                                            Los Angeles
     2 2021-01-05
                                       91780
                                                            Los Angeles
3
     3 2021-01-05
                                       91792
                                                            Los Angeles
     4 2021-01-05
                                       91917
                                                              San Diego
5
     5 2021-01-05
                                                              San Diego
                                       91931
     6 2021-01-05
                                                            Los Angeles
                                       91325
       county vaccine_equity_metric_quartile
                                                                vem_source
1 Los Angeles
                                             1 Healthy Places Index Score
2 Los Angeles
                                             3 Healthy Places Index Score
3 Los Angeles
                                             2 Healthy Places Index Score
    San Diego
                                                  CDPH-Derived ZCTA Score
                                             3
                                                  CDPH-Derived ZCTA Score
5
    San Diego
6 Los Angeles
                                             3 Healthy Places Index Score
  age12_plus_population age5_plus_population persons_fully_vaccinated
1
                59710.6
                                         67118
                                                                      15
2
                30388.1
                                         33143
                                                                      16
3
                25684.7
                                         27834
                                                                      15
4
                   826.1
                                           939
                                                                      NA
                   475.7
                                           586
5
                                                                      NA
6
                30419.9
                                         33115
                                                                      13
  persons_partially_vaccinated percent_of_population_fully_vaccinated
1
                           1255
                                                                0.000223
```

```
2
                            755
                                                               0.000483
3
                            759
                                                               0.000539
4
                             NA
                                                                      NA
5
                             NA
                                                                      NA
6
                            707
                                                               0.000393
  percent_of_population_partially_vaccinated
2
                                     0.022780
3
                                     0.027269
4
                                           NA
5
                                           NA
                                     0.021350
  percent_of_population_with_1_plus_dose booster_recip_count
                                 0.018921
1
                                 0.023263
2
                                                            NA
3
                                 0.027808
                                                            NA
4
                                       NA
                                                            NA
5
                                       NA
                                                            NA
6
                                 0.021743
                                                            NA
                                                                  redacted
1 Information redacted in accordance with CA state privacy requirements
2 Information redacted in accordance with CA state privacy requirements
3 Information redacted in accordance with CA state privacy requirements
4 Information redacted in accordance with CA state privacy requirements
5 Information redacted in accordance with CA state privacy requirements
```

Q1. What column details the total number of people fully vaccinated? persons fully vaccinated

6 Information redacted in accordance with CA state privacy requirements

Q2. What column details the Zip code tabulation area?

Zip code tabulation data

Q3. What is the earliest date in this dataset?

01-2022

Q4. What is the latest date in this dataset?

01-2021

skimr::skim(vax)

Table 1: Data summary

Name	vax
Number of rows	139356
Number of columns	16
Column type frequency:	
character	5
numeric	11
Group variables	None

Variable type: character

skim_variable	n_missing	complete	_rate	min	max	empty	n_unique	whitespace
as_of_date	0		1	10	10	0	79	0
local_health_jurisdiction	0		1	0	15	395	62	0
county	0		1	0	15	395	59	0
vem_source	0		1	15	26	0	3	0
redacted	0		1	2	69	0	2	0

Variable type: numeric

skim_variable	n_	_miss ic c	gnplete	nreae	sd	p0	p25	p50	p75	p100	hist
X_id		0	1.00	69678	.5400228	.761	34839	. 75 9678.	.5100451′	7. 23 935	6.0
zip_code_tabulation_a	area	. 0	1.00	93665	.111817.3	399000	192257	7933658.	.5905380.	.5 9 7635	.0
vaccine_equity_metric	_68	az tile	0.95	2.44	1.11	1	1.00	2.00	3.00	4.0	
age12_plus_population	ı	0	1.00	18895	.0148993	.890	1346.9	513685	. 1301 756.	.1 2 8556	.7
age5_plus_population		0	1.00	20875	.2241105	.990	1460.5	015364	.0304877.	.0 0 0190	2.0
persons_fully_vaccinat	e d 2	194	0.91	12497	.494052	.321	776.00	6861.5	6021023.	.7 8 5274	.0
persons_partially_vacc	ci n12	194	0.91	1760.7	52012.9	95 11	180.00	1217.5	502627.0	038927	.0
percent_of_population	_1f2	194_va	connate	d0.54	0.27	0	0.36	0.58	0.75	1.0	
percent_of_population	_1p2	194ally	0 ra9c1cir	na (te)(19	0.11	0	0.05	0.07	0.10	1.0	
percent_of_population	_1 \darkarrow	it94_1_	_p 0r9 s1_c	lo@e62	0.27	0	0.45	0.66	0.82	1.0	
booster_recip_count		169	0.53)27865.1	1011	286.00	2356.0	010417.	.5 6 5671	.0

Q5. How many numeric columns are in this dataset? 9

Q6. Note that there are "missing values" in the dataset. How many NA values there in the persons_fully_vaccinated column? 4

```
Q7. What percent of persons_fully_vaccinated values are missing (to 2 significant figures)?
  library(lubridate)
Warning: package 'lubridate' was built under R version 4.3.1
Attaching package: 'lubridate'
The following objects are masked from 'package:base':
    date, intersect, setdiff, union
   today()
[1] "2024-03-17"
  vax$as_of_date <- ymd(vax$as_of_date)</pre>
  today() - vax$as_of_date[1]
Time difference of 1167 days
  vax$as_of_date[nrow(vax)] - vax$as_of_date[1]
Time difference of 546 days
     Q9. How many days have passed since the last update of the dataset?
546 days
     Q10. How many unique dates are in the dataset (i.e. how many different dates are
     detailed)?
1160
```