**Exercise 4.1**John is an African American man born on August 4, 1974. Define an entry in the PERSON table that encodes this information.

PERSON\_ID: 1

GENDER\_CONCEPT\_ID: 8507

YEAR\_OF\_BIRTH: 1974

MONTH\_OF\_BIRTH: 8

DAY\_OF\_BIRTH: 4

BIRTH\_DATETIME: 1974-08-04 00:00:00

DEATH\_DATETIME: NULL

RACE\_CONCEPT\_ID: 8516

ETHNICITY\_CONCEPT\_ID: 38003564

LOCATION\_ID:

PROVIIDER\_SITE:

CARE\_SITE:

PERSON\_SOURCE\_VALUE: NULL

GENDER\_SOURCE\_VALUE: Man

GENDER\_SOURCE\_

CONCEPT\_ID: 0

RACE\_SOURCE\_VALUE African American

RACE\_SOURCE\_

CONCEPT\_ID: 0

ETHNICITY\_SOURCE\_VALUE: NULL

ETHNICITY\_SOURCE\_

CONCEPT\_ID: 0

**Exercise 4.2**John enrolled in his current insurance on January 1st, 2015. The data from his insurance database were extracted on July 1st, 2019. Define an entry in the OBSERVATION\_PERIOD table that encodes this information.

OBSERVATION\_PERIOD\_ID: 1

PERSON\_ID: 1

OBSERVATION\_PERIOD\_

START\_DATE: 2015-01-01

OBSERVATION\_PERIOD\_

END\_DATE: 2019-07-19

PERIOD\_TYPE\_

CONCEPT\_ID: 44814722

**Exercise 4.3**John was prescribed a 30-day supply of Ibuprofen 200 MG Oral tablets (NDC code: 76168009520) on May 1st, 2019. Define an entry in the DRUG\_EXPOSURE table that encodes this information.

DRUG\_EXPOSURE\_ID: 617

PERSON\_ID: 1

DRUG\_CONCEPT\_ID: 19078461

DRUG\_EXPOSURE\_

START\_DATE: 2019-05-01

DRUG\_EXPOSURE\_ 2019-05-01

START\_DATETIME: 00:00:00

DRUG\_EXPOSURE\_

END\_DATE: 2019-05-31

DRUG\_EXPOSURE\_ 2019-05-31

END\_DATETIME: 00:00:00

VERBATIM\_END\_DATE: NULL

DRUG\_TYPE\_

CONCEPT\_ID: 38000177

STOP\_REASON: NULL

REFILLS: NULL

QUANTITY: NULL

DAYS\_SUPPLY: 30

SIG: NULL

ROUTE\_CONCEPT\_ID: 4132161

LOT\_NUMBER: NULL

PROVIDER\_ID: NULL

VISIT\_OCCURENCE\_ID: NULL

VISIT\_DETAIL\_ID: NULL

DRUG\_SOURCE\_VALUE: 76168009520

DRUG\_SOURCE\_

CONCEPT\_ID: 310965

ROUTE\_SOURCE\_VALUE: NULL