

## Instructions

Use the supplied data to answer the questions below.

Please use SQL to compile the data and answer questions 1-2. Feel free to use any SQL implementation.

*SQLiteStudio is a free open source tool that can be used to create a SQL database and import and query the supplied data sets, if desired. A helpful overview of getting set up is provided here; see the “Building a Database” section:*

<https://digitalfellows.commons.gc.cuny.edu/2016/04/08/fun-times-with-sqlite-or-a-beginners-tutorial-to-data-management-and-databases-with-sql/>

Use the tool of your choice to answer question 3.

There may be limitations to the data and you may need to make some assumptions to answer the questions. We don't expect you to solve all of these issues; please use your analytical judgement and note any limitations or assumptions so we know you considered them.

Please submit your code and a written and/or visual summary of your approach and results.

## Questions

1. How many primary care practices are in the state of Delaware?
2. Which Delaware primary care practice performed the highest volume of Medicare Annual Wellness Visits in 2019?
3. If a quality improvement organization was embarking on a campaign to increase the number of Delaware Medicare beneficiaries receiving Annual Wellness Visits from primary care practices, what actionable information would you provide to inform the campaign?

### Supplied data

#### A. **physician\_supplier\_hcpcs.csv**

Medicare Provider Utilization and Payment Data: Physician and Other Supplier PUF CY2019.

***Prior to downloading data please pre-filter on Rndrng\_Privr\_State\_Abrvtn = DE.***

<https://data.cms.gov/provider-summary-by-type-of-service/medicare-physician-other-practitioners/medicare-physician-other-practitioners-by-provider-and-service/data>.

#### B. **physician\_supplier\_agg.csv**

Medicare Physician and Other Supplier National Provider Identifier (NPI) Aggregate Report, Calendar Year 2019.

***Prior to downloading data please pre-filter on Rndrng\_Privr\_State\_Abrvtn = DE.***

<https://data.cms.gov/provider-summary-by-type-of-service/medicare-physician-other-practitioners/medicare-physician-other-practitioners-by-provider/data>

**C. physician\_compare.csv**

Physician Compare National Downloadable File.

***Prior to downloading data please pre-filter on st = DE.***

<https://data.cms.gov/provider-data/dataset/mj5m-pzi6>