# Asking Questions About Careers:

SPEECH-LANGUAGE PATHOLOGY (SLP)

# What are Speech-Language Pathologists

- Speech-language pathologists are healthcare professionals are experts in speech, language, thinking (cognition), feeding/swallowing, hearing skills, and assistive technology
- Speech-language pathologists provide individuals with screening, assessments, and treatment sessions to help them with their healthcare needs across those domains

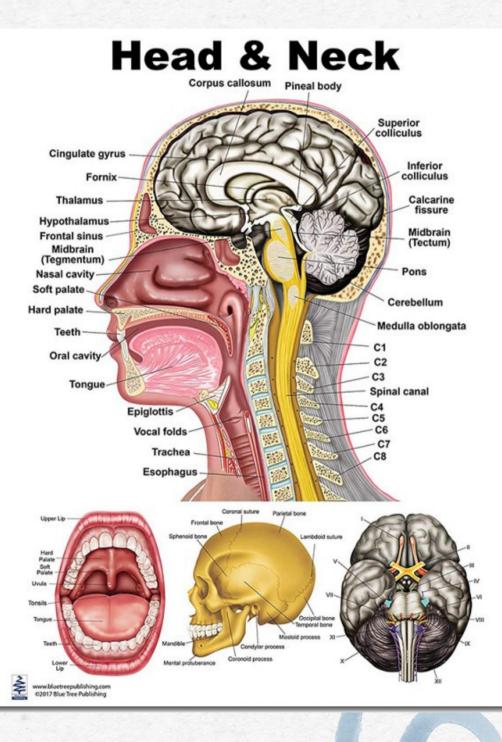


When you see this logo, you can click it for more information!



# **Education of a Speech-Language Pathologist**

- Speech language pathologists need at least a masters degree in order to work
- SLPs take courses on anatomy, speech sound skills, language, swallowing and feeding, and thinking skills
- The SLP masters degree helps these professionals specialize in all the areas that they can diagnose and treat (i.e. their "scope of practice")



### Where do Speech-Language Pathologists Work?

#### EDUCATIONAL SETTINGS

- Private schools
- Public schools
- Colleges
- Universities

#### HEALTHCARE SETTINGS

- Hospitals
- Non-residential
- Residential facilities (i.e. assisted living)





#### PRIVATE PRACTICE

- Own your own businesses
- Work in someone else's private practice



### Let's do some research about the field of speech-language pathology together

# We're going to use two datasets to answer research questions. Both datasets include lots of different professions. Feel free to research any profession you would like.





#### IES > NCES

## Example Research Question #1 Which state has the highest number of estimated available SLP jobs?

Which state has the highest number of estimated available SLP jobs?

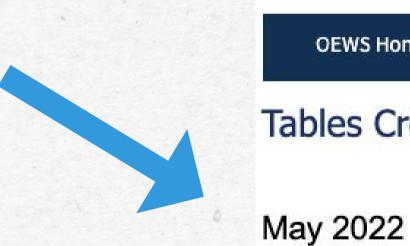
Datasets

**CLICK HERE** 

1. To answer this question, navigate to the Occupational Employment and Wage Statistics website

2. Under the year you wish to access, click the XLS option next to "all data" to download the complete dataset

3. Click the downloaded ZIP file and it should open up in the excel application



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#### Occupational Employment and Wage Statistics

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Which state has the highest number of estimated available SLP jobs?

# Datasets

4. In excel, navigate to data > sort and then sort the data by the column "OCC\_TITLE" with the order of "A to Z". To make this very large dataset smaller, do the following:

Scroll down to cell #373090, which should have a OCC\_TITLE of "Speech-Language Pathology"

Highlight all rows from #373090 to #373725 (all OCC\_TITLE of Speech-Language Pathology)

Copy and paste these data to a new excel spreadsheet (click the + at the bottom of the page) into the second row. Copy and paste row 1 over so you have the column names in your new dataset!

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#### Which state has the highest number of estimated available SLP jobs?

5. To answer this question, sort the smaller dataset by AREA\_TYPE from "A to Z". Since we are looking into the state data, which is coded as type "2", those are the only cells you will need to look at.

Then, sort the dataset by the TOT-EMP column by smallest to largest values.

Scroll down to the AREA\_TYPE of "2" (past all the 1's) and locate the first value (row #86) to last value (row #135)

# Datasets

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#### Example research question #1 Which state has the highest number of estimated available SLP jobs?

# **Answer: Highest Number: California with** 17,100 jobs Lowest Number: Hawaii with 150 jobs

# Let's try another research question together!

# Example research question #2 Did more men or women graduate with degrees in speechlanguage pathology in 2022?

Did more men or women graduate with degrees in speech-language pathology in 2022?

## Datasets

1. To answer this question, navigate to the National Center for Educational **Statistics CLICK HERE** 

2. Under the topic you wish to access, click the hyperlink next to the description in order to download the excel zip file

3. Click the downloaded ZIP file and it should open up in the excel application. You can also download the "Dictionary" for the column descriptions

#### IES: NCES National Center for Education Statistics

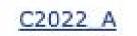
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#### IES: NCES National Center for Education Statistics

**Ξ MENU** 

Completions

Awards/degrees conferred by program (6-digit CIP code), award level, race/ethnicity, and gender: July 1, 2021 to June 30, 2022



#### **CLICK HERE**

#### Did more men or women graduate with degrees in speech-language pathology in 2022?

# Datasets

4. In excel, navigate to data > sort and then sort the data by the CIPCODE (by smallest to largest values). To make this very large dataset smaller, do the following:

Scroll down to cell #208874, which should have a CIPCODE of 51.0203 (speech-language pathology)

Highlight all rows from #208874 to #209114

Copy and paste these data to a new excel spreadsheet (click the + at the bottom of the page) into the <u>second row.</u> Copy and paste row lover so you have the column names in your new dataset!



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Did more men or women graduate with degrees in speech-language pathology in 2022?

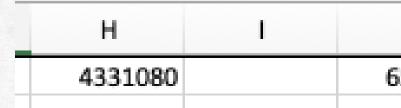
# Datasets

5. To answer this question, locate columns H and J, which are the degrees conferred for grand total men (H) and grand total women (J)

Scroll down to the end of the dataset (row #300878). Click below the last value in the "H" column. Then locate formulas > AutoSum. Hit "enter" to get the value

Follow the same process for the "J" column.

Total values should be found in row 300879



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#### **Example research question #2** Did more men or women graduate with degrees in speech-language pathology in 2022?

# **Answer:** Grand Total Men: 4,331,080 **Grand Total Women: 6,500,352**

#### Women by 2,169,272

### Why you should consider this profession?

 $\mathbf{02}$ 

We help people when they need it most in order to make sure that they can communicate, think, and eat and drink safely!

 $\mathbf{0}$ 

Our scope of practice is big, so we can diagnose and treat a lots of different people, across the lifespan, with a variety of impairments The field of speechlanguage pathology is growing, so there are more jobs opening up for people who want to join this field

035

### Helpful Terminology

speech sound skills
how well speech does or does not flo
sound produced by vocal fold vibrati
how our anatomy shapes the vocal f
either receptive (understanding) or e
disorder of swallowing skills
thinking and reasoning skills
how and why we use language to ta
the different ways that we use to cor
any equipment, tool, or strategy that



#### More Topics!

