Hepatitis A in Hillsborough County

```python
def calculate_statistics():
    # Given data
    cases_2022 = 80
    population = 1780000  # 1.78 million people
    new_cases_2023 = 19
    deaths_2023 = 2
    death_ages = [64, 74]
    average_life_expectancy = 77


    # User input for each statistic
    cases_2022_input = int(input("Enter the number of cases in 2022 (Default is 80): ") or cases_2022)
    population_input = int(input("Enter the population (Default is 1.78 million): ") or population)
    new_cases_2023_input = int(input("Enter the number of new cases from Jan 1 to May 1, 2023 (Default is 19): ") or new_cases_2023)
    deaths_2023_input = int(input("Enter the number of deaths from Jan 1 to May 1, 2023 (Default is 2): ") or deaths_2023)


    # Calculating Prevalence
    prevalence = (cases_2022_input / population_input) * 100000
    print(f"Prevalence: {prevalence:.2f} per 100,000 people")


    # Calculating Incidence
    incidence = (new_cases_2023_input / population_input) * 100000
    print(f"Incidence: {incidence:.2f} per 100,000 people")


    # Calculating Mortality Rate
    mortality_rate = (deaths_2023_input / population_input) * 100000
    print(f"Mortality Rate: {mortality_rate:.2f} per 100,000 people")
```

```python
    # Calculating YPLL
    ypll = sum([average_life_expectancy - age for age in death_ages])
    print(f"Years of Potential Life Lost: {ypll}")


if __name__ == "__main__":
    calculate_statistics()
```

Salmonella in Miami-Dade

```python
def calculate_salmonella_statistics():
    # Given data
    cases_2022 = 1211
    population = 2660000  # 2.66 million people
    new_cases_2023 = 248
    deaths_2023 = 1


    # User input for each statistic
    cases_2022_input = int(input("Enter the number of Salmonella cases in 2022 (Default is 1,211): ") or cases_2022)
    population_input = int(input("Enter the Miami-Dade population (Default is 2.66 million): ") or population)
    new_cases_2023_input = int(input("Enter the number of new Salmonella cases from Jan 1 to May 1, 2023 (Default is 248): ") or new_cases_2023)
    deaths_2023_input = int(input("Enter the number of Salmonella deaths from Jan 1 to May 1, 2023 (Default is 1): ") or deaths_2023)


    # Calculating Prevalence
    prevalence = (cases_2022_input / population_input) * 100000
    print(f"Salmonella Prevalence in Miami-Dade: {prevalence:.2f} per 100,000 people")


    # Calculating Incidence
    incidence = (new_cases_2023_input / population_input) * 100000
```

```python
    print(f"Salmonella Incidence in Miami-Dade: {incidence:.2f} per 100,000 people")


    # Calculating Mortality Rate
    mortality_rate = (deaths_2023_input / population_input) * 100000
    print(f"Salmonella Mortality Rate in Miami-Dade: {mortality_rate:.2f} per 100,000 people")


if __name__ == "__main__":
    calculate_salmonella_statistics()
```

Influenza during the start of the 2021 flu season

```python
def calculate_influenza_statistics():
    # Given data
    initial_cases = 500
    new_cases = 2500
    total_cases = initial_cases + new_cases
    population = 100000
    deaths = 40


    # Calculating Prevalence
    prevalence = (total_cases / population) * 100000
    print(f"Influenza Prevalence: {prevalence:.2f} per 100,000 people")


    # Calculating Incidence
    incidence = (new_cases / population) * 100000
    print(f"Influenza Incidence: {incidence:.2f} per 100,000 people")


    # Calculating Mortality Rate
    mortality_rate = (deaths / population) * 100000
    print(f"Influenza Mortality Rate: {mortality_rate:.2f} per 100,000 people")
```

```python
if __name__ == "__main__":
    calculate_influenza_statistics()
```

Chlamydia in Hillsborough County

```python
def calculate_chlamydia_statistics():
    # Given data
    cases_before_august = 12000
    new_cases = 3000
    population = 1780000  # 1.78 million people
    deaths = 5
    death_ages = [32, 45, 28, 37, 52]
    average_life_expectancy = 77


    # Calculating Prevalence
    prevalence = ((cases_before_august + new_cases) / population) * 100000
    print(f"Chlamydia Prevalence in Hillsborough County: {prevalence:.2f} per 100,000 people")


    # Calculating Incidence
    incidence = (new_cases / population) * 100000
    print(f"Chlamydia Incidence in Hillsborough County: {incidence:.2f} per 100,000 people")


    # Calculating Mortality Rate
    mortality_rate = (deaths / population) * 100000
    print(f"Chlamydia Mortality Rate in Hillsborough County: {mortality_rate:.2f} per 100,000 people")


    # Calculating YPLL
    ypll = sum([average_life_expectancy - age for age in death_ages])
```

```python
        print(f"Years of Potential Life Lost due to Chlamydia in Hillsborough County: {ypll}")


if __name__ == "__main__":
    calculate_chlamydia_statistics()
```