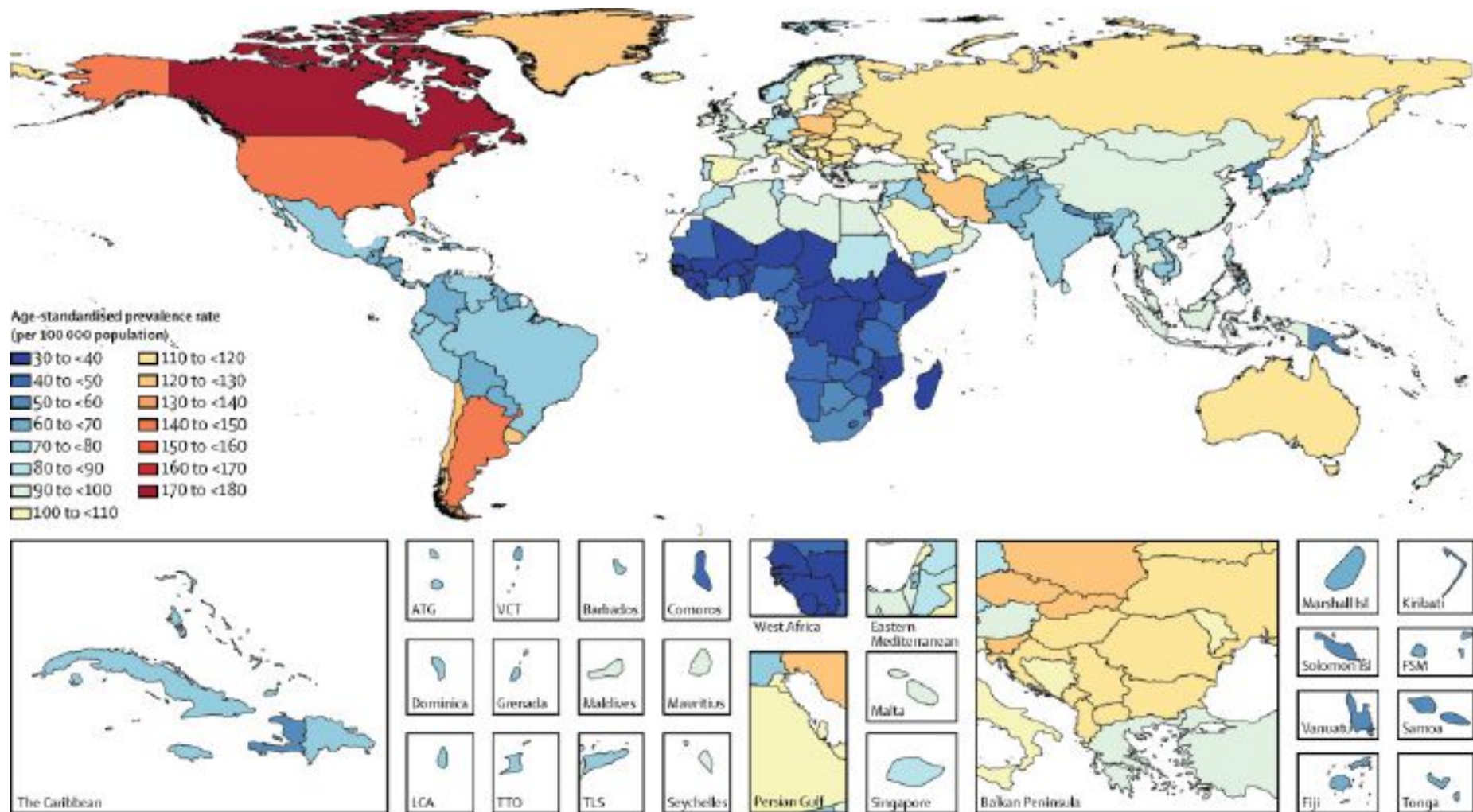


# Epidemiology of Parkinson disease in Odessa (2017-2019)

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GBD 2015 Disease and Injury Incidence and Prevalence Collaborators (2016). Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet (London, England)*, 388(10053), 1545–1602. [https://doi.org/10.1016/S0140-6736\(16\)31678-6](https://doi.org/10.1016/S0140-6736(16)31678-6)

# The aim

The aim of the study is to estimate the prevalence of Parkinson's disease in the city of Odessa for 2017-2019

# Material and methods:

An analysis of the reporting documentation for 2017-2019 was carried out, the general level of prevalence of Parkinson's disease (G20) and the frequency of new cases were determined. A comparison of epidemiological indicators with global and national indicators has been carried out.

# Results

Today, Parkinson's disease is perhaps the highest rate of spread among neurological diseases. According to experts, there are 4 million patients in the world, and by 2040 their number will reach 14.2 million, as humanity is rapidly aging.

According to statistics from the Ministry of Health, over 23,000 people with Parkinson's disease are registered in Ukraine, or 61.4 per 100,000 population. Every year 2,500 Ukrainians get be informed about this diagnosis from doctors.

According to our previous studies, the incidence of Parkinson's disease in urban areas is higher than in rural areas, apparently due to better detection. Thus, according to monitoring data in the city of Odessa, there is a constant increase in the incidence of PD. If in 2017 308 patients or 47.3 cases per 100,000 population were detected, then in 2018 - 435 (52.2 per 100,000 population), and in 2019 - 481 (57.8 per 100,000 population). The detection rate of new cases of Parkinson's disease ranged from 2.0 to 3.7 cases per 100,000 population. Thus, the prevalence of BP in the city of Odessa for the analyzed period corresponds to the national values.

# Conclusion

In recent years, there has been a tendency towards an increase in the prevalence of Parkinson's disease among the population of Odessa