

# Epionic Epidemiology Series: Prader–willi syndrome Forecast in 21 Major Markets 2018–2028

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## Abstracts

Black Swan Analysis Epionic Epidemiology Series Forecast Report on Prader–Willi Syndrome in 21 Major Markets

Prader–Willi syndrome (PWS) is a genetic disease caused by the loss of function of several genes in a particular region of chromosome 15, affecting many parts of the body. These genes provide instructions for making molecules called small nucleolar RNAs (snRNAs) which have a variety of functions. PWS initially comprises weak muscle tone (hypotonia), feeding difficulties, poor growth and delayed development, usually persisting for 12 months after birth. Around the age of 2 years, this is followed by weight gain and obesity due to hyperphagia, hypogonadism and global developmental delay.

This report provides the current prevalent population for PWS across 21 Major Markets (USA, Canada, France, Germany, Italy, Spain, UK, Poland, Netherlands, Belgium, Denmark, Russia, Turkey, Japan, China, South Korea, India, Australia, Brazil, Mexico, Argentina) split by gender and 5-year age cohort. Along with the current prevalence, the report also contains a disease overview of the risk factors, disease diagnosis and prognosis along with specific variations by geography and ethnicity.

Providing a value-added level of insight from the analysis team at Black Swan, PWS patients grouped by various features, symptoms and comorbidities have been quantified and presented alongside the overall prevalence figures. These sub-populations within the main disease are also included at a country level across the 10-year forecast snapshot.

Main symptoms and co-morbidities for PWS include:

Cardiovascular problems

Obstructive sleep apnoea and respiratory disorders

Type 2 diabetes mellitus

Autism spectrum disorder behavioural characteristics

Seizures

Hip dysplasia

Scoliosis

This report is built using data and information sourced from the proprietary Epiomic patient segmentation database. To generate accurate patient population estimates, the Epiomic database utilises a combination of several world class sources that deliver the most up to date information from patient registries, clinical trials and epidemiology studies. All of the sources used to generate the data and analysis have been identified in the report.

#### Reason to buy

Ability to quantify patient populations in global PWS market to target the development of future products, pricing strategies and launch plans.

Further insight into the prevalence of the subdivided types of PWS and identification of patient segments with high potential.

Delivery of more accurate information for clinical trials in study sizing and realistic patient recruitment for various countries.

Better understanding on the impact of specific co-morbid conditions on the prevalent population of PWS patients.

Identification of PWS patient sub-populations that require treatment.

Better understanding of the specific markets that have the largest number of

PWS patients.

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