

# **The Importance of Healthcare Data Analysis for Quality Diagnosis and better healthcare**



**Hyderabad, Apr 23, 2020 ([IssueWire.com](http://IssueWire.com))** - In light of the global Coronavirus epidemic, MEDESUN Healthcare Solutions is redefining the importance of healthcare data analysis as a way of predicting the outcomes of possible pandemics in the future by devising integrated combative measures.

With technology and innovation implementing wonders in the healthcare department, medical coders have become fundamental in the collective management of health information. This paves the path for the individual impact of a disease on patients around the world. Each person has their own medical history and a particular disease or pandemic, in this case, will have different degrees of healthcare consequences in them. The areas of scientific research, population health management, public health reporting, organizational management, and individual clinical care can only be successfully carried out through a chain of accurate and reliable coding.

However, with COVID-19 as the case study here, Clinical Documentation Improvement or CDI is facing a global challenge owing to the exponential multiplication of contracted patients with hospitals and healthcare services relentlessly trying to provide quality care without any casualties. To compose an integrated inventory of patient history in the spectrum of COVID-19 clinical diagnosis, healthcare data has to be coded in conventions like [ICD-10](#), CPT, HCPCS, ICD-10-PCS. This will help create an easily accessible repository of ventilation management, the National Drug Code or NDC management, and more. [Medical coders](#) can directly extract patient information and data from the formatted documentation and appropriate diagnoses and treatment procedural codes can be implemented.

Various data items that form the research elements of the analysis must include patient attributes like age, gender, demographics, COPD, DM, HTN, personal lifestyle habits, medical history in emphysema, asthma, drug abuse, hyperlipidemia, pulmonary diseases, CAD, anaemia, cancer, etc. The focus should be put on the analysis of elderly patients on social isolation with dementia or CAD that may lead to greater clinical complications. The senior spectrum shows signs of more health problems in comparison to other age groups in terms of health issues, stress, mental instabilities, and more, and data analysis will help to form effective diagnosis and treatment measures.

With the global population facing the wrath of an unprecedented outbreak of the virus, patient data management is the path to successful medical research, measures, treatment, and cure. [MEDESUN](#) Healthcare Solutions have integrated the effective outcome of healthcare analysis, health analytics, and cure that will lead to resourceful and accurate patient management and treatments in the years to come.

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