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Editorial Note

3rd International Conference on Healthcare Informatics and Wellness May 11-12, 2020 Webinar

We had a huge success with the completion of **3rd International Conference on Healthcare Informatics and Wellness** on May 11-12, 2020. The significance of the meeting was achieved due to the accumulation of all the related group of spectators of research scientists to share their Knowledge, Research work, Technologies, and furthermore trade of worldwide Information towards the correct crowd at ideal time. Webinar has received a generous response from all over the world. This has been organized with the aim of endorsing the development of new perceptions and ideas for investigating the high level of knowledge reached by scientific community in the field of Healthcare Management.

The conference was organized around the theme "***A Step towards better Healthcare Systems for control of Covid-19***". The congress entrenched a firm relation of future strategies in the field of Healthcare and Healthcare Informatics.

We would like to thank all the participants and following Speakers:

- Andriy Hospodarskyy, Ternopil Medical University, Ukraine
- Andriy Tsvyakh, Ternopil Medical University, Ukraine
- Ismaeel Almakrami, Health Management and Informatics Consultant Najran Health Affair, Najran, Saudi Arabia
- Amandeep Kaur, research scholar at Panjab university, India
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We would like to thank each participant of Healthcare IT 2020 webinar to make this a huge success. And special thanks to media partners for the promotion of our event.

The **Conference Series** Healthcare Conferences aim to bring together the prominent Researchers, academic scientists, and research scholars to exchange and share their experiences on all aspects of Healthcare. It is conjointly a knowledge domain platform for researchers, practitioners and educators to gift and discuss the foremost recent advances, trends, and issues in addition as sensible challenges and solutions adopted in the fields of Healthcare.

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Machine Learning Analysis of Readmission of Patients Diagnosed with Ischemic and Pulmonary Heart Diseases

Venkat Lellapalli

Mississippi State University, USA

Abstract

Hospital readmissions are indicators of the quality of service offered by hospitals and give an insight into the performance measures on the cost at the hospital. A readmission event occurs when a patient that has been discharged from a hospital after diagnosis and procedure is again readmitted to the hospital within a certain period. The Nationwide Readmissions Database (NRD) is part of a family of databases and software tools developed for the Healthcare Cost and Utilization Project (HCUP). For this research, the data for the year 2016 from the National Readmission Database (NRD) will be studied and machine learning models built to model the relationship between readmission and various factors related to the patient. The models built in this research study will be used to ease the prediction of hospital readmission which is very important in healthcare management. Ischemic and Pulmonary Heart diseases are among the critical diseases in health care services. The monitoring of these diseases, therefore, should be handled with ultimate care and with trained professionals. Various studies have shown that readmission of these diseases has a higher rate compared to non-pulmonary disease, thus the need for critical research and study in these areas. The observations for Ischemic heart diseases and diseases of pulmonary circulation (diagnosis codes I20 to I28) will be used for this study. Analysis and goodness of model indexes such as the confusion matrix, AUC index, MSE, and R squared scores and findings from the study will also be evaluated and reported taking into account the model parameters.

Biography:

Venkat Lellapalli is working on his Ph.D. in Industrial and Systems Engineering at the Mississippi State University in USA. He has twenty years of work experience in Healthcare Insurance companies working on Healthcare and wellness projects using Cloud and Machine Learning technologies to improve quality of care for the members.

3rd International Conference on Healthcare Informatics and Wellness; Munich, Germany- May 11-12, 2020.

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