

INTRODUCTION

Electronic Health Records (EHR)



Standardized Nursing Terminologies

Can contribute to nursing's participation in big data science

The hospital where this study is being carried out uses NANDA-I nursing diagnosis in its work process, such as chronic and acute pain nursing diagnoses

STUDY PURPOSE

To present the research process aiming to develop an Information Model (IM) for pain derived from EHR from a southern Brazilian hospital

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Development of a pain information model in a Brazilian hospital – contribution to the accuracy of nursing terminologies

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METHODOLOGY

The research has been developed through three steps



1) To map pain management data mined from the EHR, through clinical data collected for five years in clinical and surgical units. The data were extracted in order to pre-process, process, and develop a pain IM.



2) To compare the developed pain IM with a previous one developed in the United States



3) To validate the Brazilian pain IM through consensus validation by Brazilian and American experts

RESULTS

The data base has approximately 50.000 unique patients. The data were extracted from EHR and are being pre-processed and processed in order to develop a pain IM.

IMPACT

This study will enable the process of knowledge extraction from EHR data that could deeply support best practices in research, health care and education



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