**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

**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