

UCLA Part-time data analyst

Project Title: Predicting the diagnosis of pancreatic cancer in a national Veteran population

The overall objective is to develop and validate a prediction model for pancreatic cancer based on a large database of longitudinal health data in veterans treated at the Veterans Affairs (VA) Healthcare System. Under the direction of an epidemiologist, the data analyst will define a retrospective cohort of persons with diabetes enrolled in the VA and the extraction and harmonization of data on clinical parameters and predictors of pancreatic cancers. The data analyst will also assist in developing and validating a prediction model for pancreatic cancer with guidance from an expert statistician.

Description of tasks for an analyst:

- * Programs data extracts from longitudinal medical records
- * Diagrams the structure of relational databases and integrate multiple data sources using unique identifiers
- * Apply multiple inclusion criteria to retrospective data in an orderly manner and fill out a flow chart of selection of patients
- * Clean and harmonize data fields with input from investigators
- * Assesses quality of data and reports on missing data and outliers
- * Maintains version control on datasets generated
- * communicate effectively and promptly over email correspondences
- * Work flexibly ~16 hours/week

Qualification:

- * Experience with relational database, preferably with clinical data
- * Working knowledge of SQL
- * Willing to commute to the VA Greater Los Angeles Healthcare System (10-15 min driving distance from UCLA)
- * Willing to undergo background check for a VA appointment

Contact:

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