Automated Patient Code Recognition Software

Enabled the identification of certain symptoms or co-morbidities which may be overlooked during diagnosis.

Background
Co-morbidities affect patients healing, survival, length of hospitalization. Knowledge and documentation of co-morbidities is important information for a patient’s health team. Proper documentation of comorbidities is important for hospital coding in analyzing service intensity weight. Our project seeks to provide an automated search of the electronic health record and pull co-morbidities from laboratory values, vital signs monitoring, radiography reports, and other electronic records (such as medication lists) and list them on a co-morbidity sheet for review and signature by the attending physician.

Technology
This novel software program developed by the Departments of Emergency Medicine and Computer Sciences tracks admitted patients and pushes charted data to an attending physician enabling the identification of certain symptoms or co-morbidities that may have gone overlooked during diagnosis or billing procedures. This software is currently being beta-tested and implemented at Stony Brook University’s Medical Center.

Advantages
- Tracking of undiagnosed afflictions that exist separate from the primary diagnoses
- Live update of EHR patient records and databases.
- Fully integrated with Hospital IT systems.
- Increased and more accurate CMI of hospitals.

Applications
- Health Care Management Software, Diagnostics, Emergency Medicine, Electronic Health Records

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