

WHY DO WE NEED NOVEL SOLUTIONS TO HANDLE CARDIOVASCULAR DISEASE EPIDEMICS BETTER ?

- ▶ There have been major technological developments in diagnosing and treating heart disease in the past 3 decades, no doubt!
- ▶ However, population wide efficient and cost effective implementations of novel therapeutic and diagnostic measures have NOT been accomplished, hospital readmission rate for chronic diseases have been high
- ▶ Rising cost has forced the payers to take punitive measures which can be crippling for the institutes in the coming years

HOW EASY IS IT TO ADHERE TO THE GUIDELINES?

The guidelines may be complex, algorithmic, may not be easy to remember routinely, may differ if written by different committees, as in the case of International atherosclerosis society guidelines vs. newly released 2013 AHA/ACC guidelines to reduce atherosclerotic vascular risk in adults vs. NCEP(National Cholesterol Education Program) guidelines.

It appears that the controversies will grow further once new NLA,NCEP guidelines are published

CVMEDICAL SOFTWARE SOLUTION

- ▶ Instant retrieval of guideline(s) recommendations for individual patient
- ▶ *Currently, risk calculators are available to help providers to estimate CV disease risk, first step in utilizing guidelines*
- ▶ CVD evaluator goes beyond , instantly outputs diagnostic or therapeutic recommendations on the base of guidelines for any given individual with any given risk profile in addition to risk assessment

WHAT OTHER CHALLENGES THE CURRENT ATMOSPHERE POSE ?

- ▶ Health care providers will face ever increasing scrutiny mandating tedious documentations to justify diagnostic tests, therapeutic measures diverting their attention from direct patient care to bureaucracy often curtailing their performances. They will also be penalized for performance failures.
- ▶ The institutes shall face reimbursement cuts in the case of improper documentations.
- ▶ Hospitals have to brace themselves for significant reimbursement changes under health reform

CVMEDICAL SOFTWARE SOLUTION

- ▶ Integrates adaption of evidence based medicine with proper documentation in a workflow efficiently and effectively
- ▶ Recommends diagnostic testing or procedure for an individual on the base of appropriateness criteria and provides proper documentation.

WHY IS IT DIFFICULT TO TRANSFORM SCIENTIFIC PROGRESS TO MEDICAL PRACTICE, CAN SOFTWARES HELP?

- ▶ Application of population based research results to individual patient is not straightforward. In addition to data storage (knowledge base of provider), rapid data retrieval, interpretation and at times interpolation is required

CVMEDICAL SOFTWARE SOLUTION

- ▶ Adds computer's search, storage and retrieving power to human brains cognitive function
- ▶ Using a patented methodology produces diagnostic and therapeutic recommendations tailored to an individual patient profile with references cited from medical literature and presents it to health care provider so that they can make best management decisions