

Improving Cardiovascular Disease Outcomes with Clinical Pharmacists

Cardiovascular Health in Colorado



In 2013, heart disease and stroke accounted for 24% of all deaths in Colorado



In 2013, there were 2,467 heart disease and stroke related hospitalizations per 100,000 population



By 2020, cardiovascular disease is expected to cost Coloradans \$8.2 billion



5-10% of people in northeastern Colorado are already living with a history of heart disease and stroke



Aspirin is an inexpensive medication that can be useful in patients with cardiovascular disease



Cholesterol medications called "statins" can be useful in patients with cardiovascular disease



Clinical pharmacists are well positioned to help patients improve their medication use

Taking aspirin daily...

Taking a statin daily...



Reduces risk of death by 17%

Reduces risk of death by 30%



Reduces risk of stroke by 25%

Reduces risk of stroke by 16%



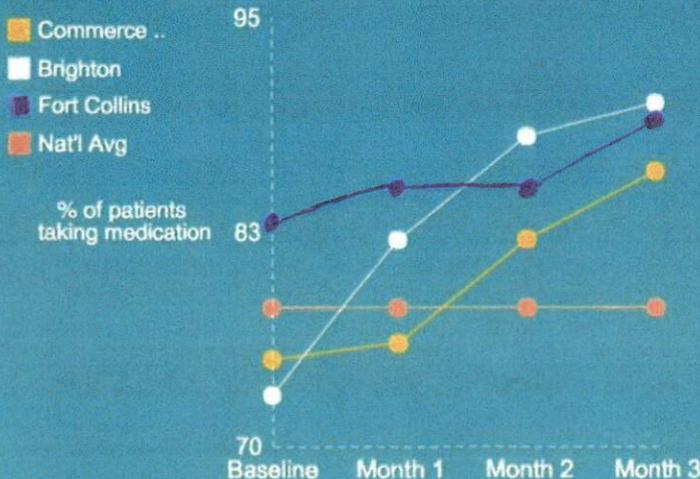
Reduces risk of repeat heart attack by 33%

Reduces risk of repeat heart attack by 44%

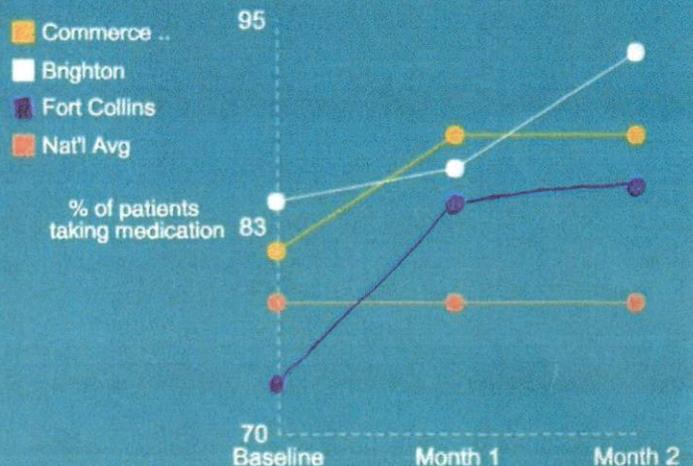
Clinical Pharmacy Intervention

- Pharmacists intervened on 100 patients with a history of heart disease or stroke not on appropriate therapy
- The majority of patients agreed to start taking these life-saving medications
- Salud's clinics improved in each category to well above the national average

Use of Aspirin in Patients with Heart Disease and Stroke



Use of Statins in Patients with Heart Disease and Stroke



1) https://www.colorado.gov/pacific/sites/default/files/DC_fact-sheet_CVD_Nov-2014_without-Appendix.pdf
 2) Collaborative meta-analysis of randomized trials of antiplatelet therapy for prevention of death, myocardial infarction, and stroke in high-risk patients. BMJ 2002;324(7329):71
 3) The Scandinavian Simvastatin Survival Study (4S). Lancet 1994; 344: 1363-69

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