Economic Review Analytic Framework: Tailored Pharmacy-based Interventions to Improve Medication Adherence

for Cardiovascular Disease Prevention and Management Accessible Version: https://www.thecommunityguide.org/sites/default/files/assets/AF-Econ-CVD-Pharmacy-

based-Medication-Adherence-508.pdf

Intervention Effectiveness



Patients with CVD risk factors

> **Patients** with CVD

Adherence barriers are removed or reduced

Improved adherence to medications as prescribed for

- Hypertension
- Hyperlipidemia
- Anti-coagulation
- CVD management

Reduced CVD risk

- BP control
- Lipid control
- Aspirin use
- Overall CVD risk

Reduced CVD

- Morbidity
- Mortality

Economic Outcomes

Cost of Pharmacy Interventions

- Pharmacist time*
- Patient education materials and adherence aids*
- Patient medical supplies
- Develop patient materials
- Patient time
- Communication technology and devices
- Overhead facility

Costs of Added Interventions*

- Team-based care
- Case management
- Other

Change in Cost of Healthcare

- Inpatient stays*
- Emergency department visits*
- Outpatient specialist visits*
- Outpatient PCP visits*
- Medications*
- Labs*

Increased Productivity

Patients at their worksites

Cost-effectiveness

- Cost per QALY saved
- Cost per DALY averted

Cost-Benefit

*Cost drivers

QALY: Quality Adjusted Life Years DALY, Disability Adjusted Life Year Source (with narrative description): Guide to Community Preventive Services. Cardiovascular Disease: Tailored Pharmacybased Interventions to Improve Medication Adherence. https://www.thecommunityguide.org/findings/cardiovasculardisease-tailored-pharmacy-based-interventions-improve-medication-adherence

Icons in Community Guide Analytic Frameworks

Intervention Effectiveness	
	Intervention
	Recommendation outcome
	Other intermediate
	outcome/variable (that are not
	recommendation outcomes)
	Population
	Potential Effect Modifiers (affecting
	causal relationships)
	Potential Additional
	Benefits/Potential Harms

Economic Outcomes		
	Intervention costs	
	Economic benefit	
	Economic outcome for Task Force finding	
	Other economic outcomes	

Arrows	
→	Unidirectional block arrows are applied between intervention and population icons
──→	Unidirectional arrows for causal relationships
←	Bidirectional arrows show feedback loops