

Supplemental file I: Initial search strategy**PubMed**

(((((Emergency Medical Services[Title/Abstract] OR Community Health Workers[Title/Abstract]) OR allied health personnel[Title/Abstract]) OR emergency medical technician[Title/Abstract]) OR (((("emergency medical technicians"[MeSH Terms] OR ("emergency"[All Fields] AND "medical"[All Fields] AND "technicians"[All Fields]) OR "emergency medical technicians"[All Fields] OR "paramedic"[All Fields] OR "allied health personnel"[MeSH Terms] OR ("allied"[All Fields] AND "health"[All Fields] AND "personnel"[All Fields]) OR "allied health personnel"[All Fields]) OR ("allied health personnel"[MeSH Terms] OR ("allied"[All Fields] AND "health"[All Fields] AND "personnel"[All Fields]) OR "allied health personnel"[All Fields] OR "paramedics"[All Fields])) OR "Emergency Medical Services"[Mesh]) OR "Community Health Workers"[Mesh]) OR "allied health personnel"[MeSH Terms]) OR "emergency medical technicians"[MeSH Terms]))

AND

(((((("cost-benefit analysis"[MeSH Terms] OR "Cost Savings"[Mesh]) OR "Health Care Costs"[Mesh]) OR "Health Care Costs/statistics and numerical data"[Mesh]) OR "Costs and Cost Analysis"[Mesh]) OR "Safety"[Mesh]) OR ((Safety[Title/Abstract] OR (Costs[Title/Abstract] AND Cost Analysis[Title/Abstract])) OR Health Care Costs[Title/Abstract]) OR Cost Savings[Title/Abstract]))

AND

((("rural health"[MeSH Terms] OR "rural health services"[MeSH Terms]) OR "rural population"[MeSH Terms]) OR ((rural health[Title/Abstract] OR rural health services[Title/Abstract]) OR rural population[Title/Abstract]))