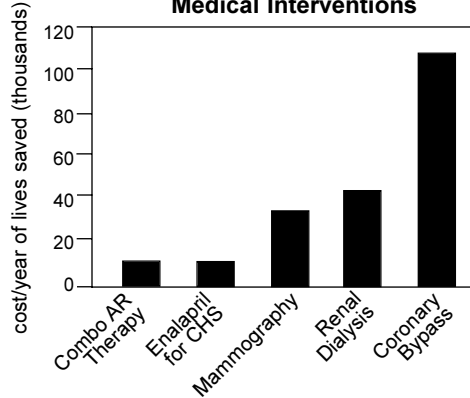


FIGURE 1. Cost Effectiveness of Medical Interventions



Cost effectiveness of HAART, compared to other medical interventions for other chronic diseases.

TABLE 1. Correctional Outcomes Studies

| | CLINICAL OUTCOMES | ECONOMIC OUTCOMES | BEHAVIORAL OUTCOMES | CORRECTIONAL OUTCOMES |
|---------------------------|--|---|---|---|
| Intervention | Directly Observed Therapy (DOT) vs Self-administered Therapy (SAT) | Telemedicine | Pre-release Peer Education | Discharge planning with careful linkage to community health centers |
| Measures | % with Viral Loads below 400 | Cost per encounter | Adherence to medication | Recidivism |
| Additional Measure | # of patients developing medication side effects | Patient Satisfaction | Medication acceptance | Viral load on return to prison |
| Ex. | Florida | Texas | California | North Carolina |
| Results | Directly observed therapy resulted in better reductions (DOT 85% below 5 copies; SAT only 50% below 50 copies) in viral loads and fewer toxicities (15% vs 35%). | 95% of telemedicine encounters pre-empted an onsite visit, reducing costs; 69% of inmates prefer telemedicine to travel. | California peer educated patients were more likely to "report" condom use (38% vs 20%, p = 0.05). | Patients returning to prison after a period of release have poorly controlled HIV. |
| References | Fischl, M., Rodriguez, A, Serpella, E, Monroig, R, Thompson, D, Rechtine, D., Impact of DOT on outcomes in HIV clinical trials. 7th Conference on Retroviruses and Opportunistic Infection, Chicago, IL, February 2000, Abstract 71. | D. Paar, Telemedicine in Practice; HEPP News Vol 3 (5). May 2000. RM Brecht, CL Gray, C Peterson, B Youngblood, UTMB-Texas DOC Telemedicine Project, findings from the first year of operation, Telemedicine Journal Vol 2. no 1. 1996. | Grinstead O, Zack B. Collaborative research to prevent HIV among male prison inmates and their female partners. Health Education and Behavior, 1999; 26: 225-257. | Stevenson B, Wohl D. et al. Release from prison is associated with increased HIV RNA at a time of reincarceration. XIII International AIDS Conference 2000, Durban, South Africa. Abstract TuOrD323 |