

## 1999 Davies Winners

### **Kaiser Permanente Colorado**

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Kaiser Colorado designed, developed, and implemented a comprehensive ambulatory care Clinical Information System (CIS) for its clinicians and members. Specific goals included making clinical patient information available anywhere it is needed permitting examination of relationships between interventions and outcomes, improving efficiency and reducing costs of care processes, and positively influencing medical decisions making through clinical decision support.

Developed in partnership with IBM, the system is based upon a controlled medical terminology (CMT) knowledge base utilizing SNOMED 3. It contains complete real-time, bi-directional interfaces to a number of ancillary systems for automated linked order entry/results reporting, and has workflow and clinical messaging components that allow all clinical and desktop medicines processes to be done on line.

CIS implementation was rapid (18 months) and completed in October 1998. Since that time, CIS has become the official medical record in 22 facilities; 15 medical offices, four mental health offices, and three administrative offices. CIS can also be accessed from one emergency department, and two hospitals where Kaiser Colorado patients receive care. The total user population includes approximately 500 physicians, 2,000 health plan staff and 100 medical students/resident physicians who care for 350,000 members. The migration to a fully electronic world has been successful, and paper charts are no longer routinely delivered.