

Kaiser Permanente medication management for CalPERS

Joel Hyatt, MD
Assistant Regional Medical Director, Quality
Southern California Permanente Medical Group
Kaiser Permanente

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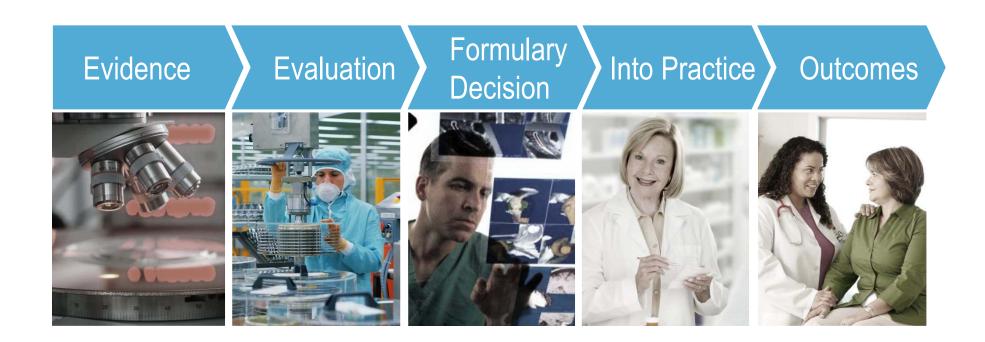


Agenda

- Medication and pharmacy management overview
- Better care with Kaiser Permanente HealthConnect®
- Better value and clinical quality

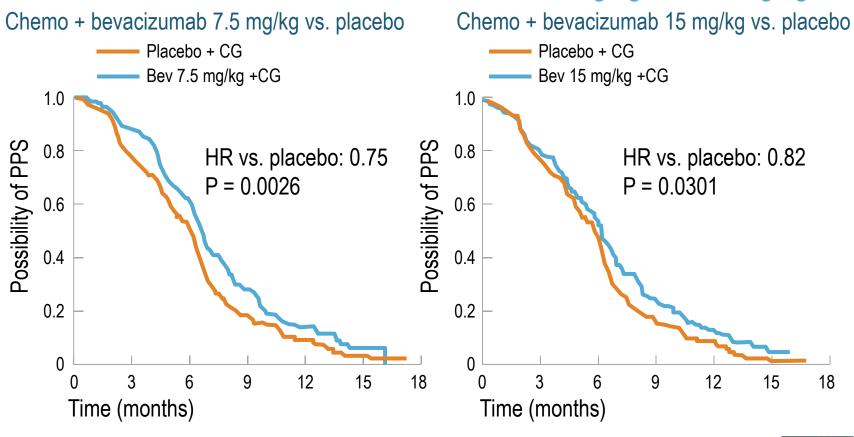


Medication management continuum



Case study: Avastin for lung cancer—evidence shows lower dose is just as effective

AVAiL trial: PFS curves with bevacizumab at 7.5 mg/kg and 15 mg/kg



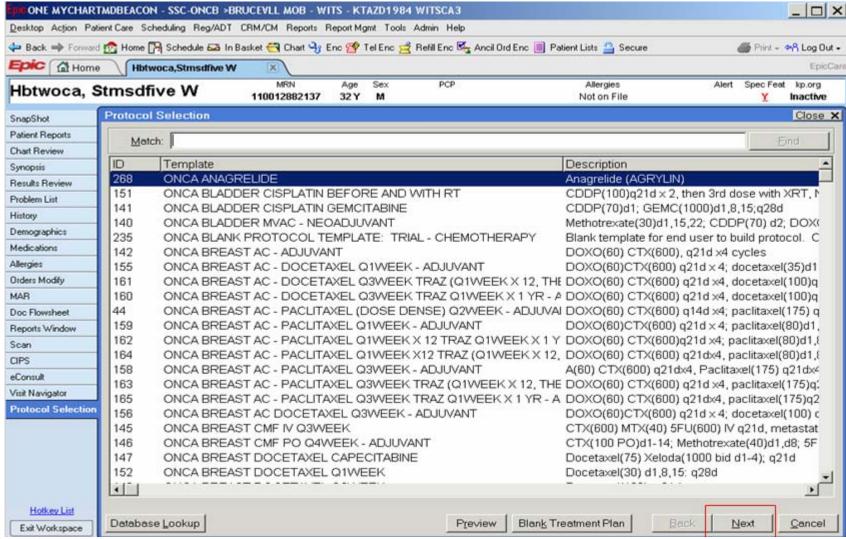
Manegold, Proc ASCO 2007, #7514



GRACE

KP HealthConnect: Beacon oncology protocols

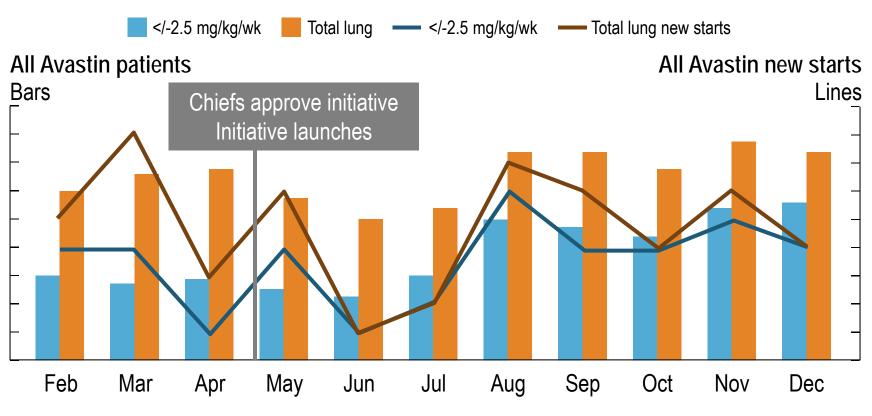
Embedding evidence-based protocols into practice



Kaiser Permanente rapidly adopted the practice

Avastin efforts for lung cancer moved to 2.5 mg/kg/week* dosing (demonstrating increased use of the lower dose)

Avastin usage for lung cancer



*2.5mg/kg/week x 3 week treatment period = 7.5mg/kg



Doctors are the decision makers

Formulary decided by doctors based on analysis, clinical research, and pharmacist recommendations and expertise (Drug Information Services)

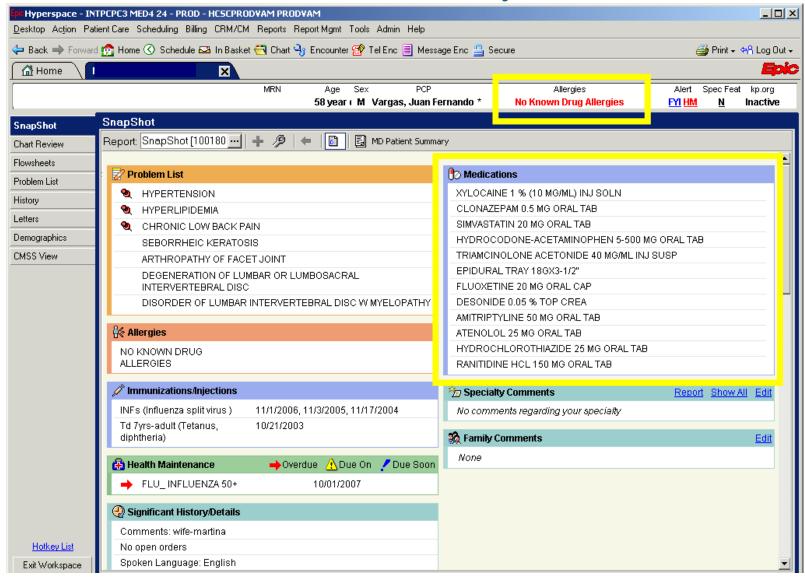
- Track new drug approvals by the Food and Drug Administration
- Analyze published drug literature, unpublished studies, and comparative prices of existing therapies
- Study drugs and patient outcomes using KP HealthConnect





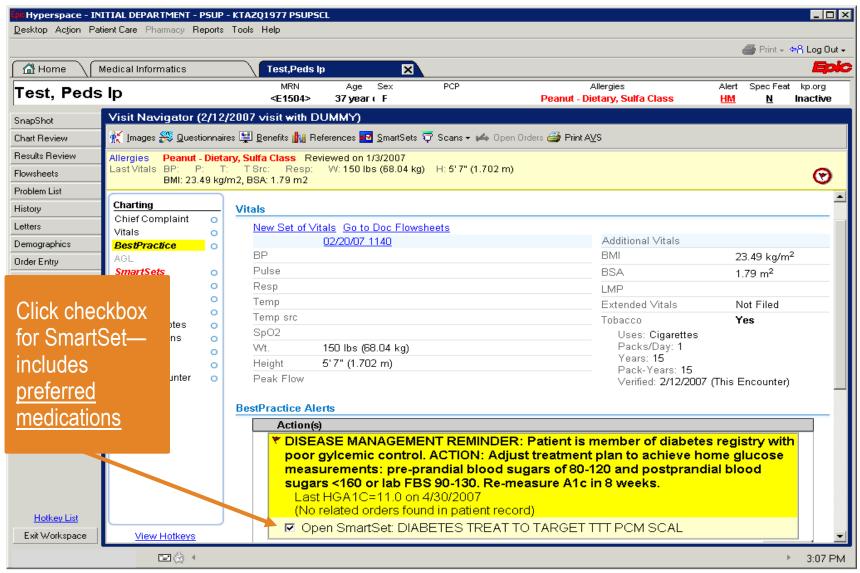


KP HealthConnect: Medical history and all Rx's





KP HealthConnect: Best practice alerts





KP HealthConnect: Alternative medication alerts

Alternative Selection

Pioglitazone (ACTOS) 15 mg Oral Tab: 1 TAB PO DAILY. CHECK FBS BEFORE BREAKFAST DAILY. IF FBS ABOVE 120 AFTER 4 WEEKS, INCREASE TO 2 TABS PO DAILY. IF FBS STILL ABOVE 120 AFTER ANOTHER WEEKS, INCREASE TO 3 TABS PO DAILY. CALL MD IF FBS FALLS BELOW 80 OR STAYS ABOVE 120, Disp-100, R-3, Oral, starting 7/26/2012 until 7/25/2016, Fill Later

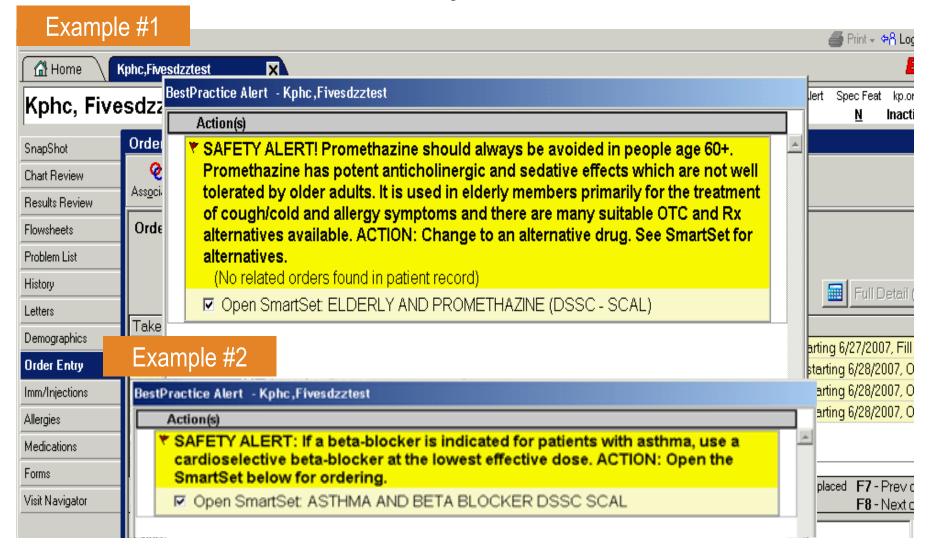
- * Non-Formulary (30 mg and 45 mg strengths only) with Guidelines
- * BOXED WARNING: Pioglitazone is contraindicated in patients with NYHA Class III or IV heart failure. Not recommended in patients with symptomatic heart failure. May cause symptoms of congestive heart failure. Monitor patients carefully for signs and symptoms. See prescribing information for complete BOXED WARNING
- * Pioglitazone is not recommended in patients with bladder cancer (active or prior history)
- * Combinations including metFORMIN plus glipiZIDE plus insulin are preferred over any use of pioglitazone due to potential side effects. Consider initiating (or titrating) NPH insulin instead of pioglitazone if the patient is not at their goal A1C despite treatment with optimal doses of metFORMIN and a sulfonylurea
- * See link to Guidelines for use of pioglitazone for additional warnings and precautions

Web Links

PIOGLITAZONE (ACTOS) GUIDELINES PIOGLITAZONE (ACTOS) MED GUIDE PIOGLITAZONE (ACTOS) FDA DRUG LABEL

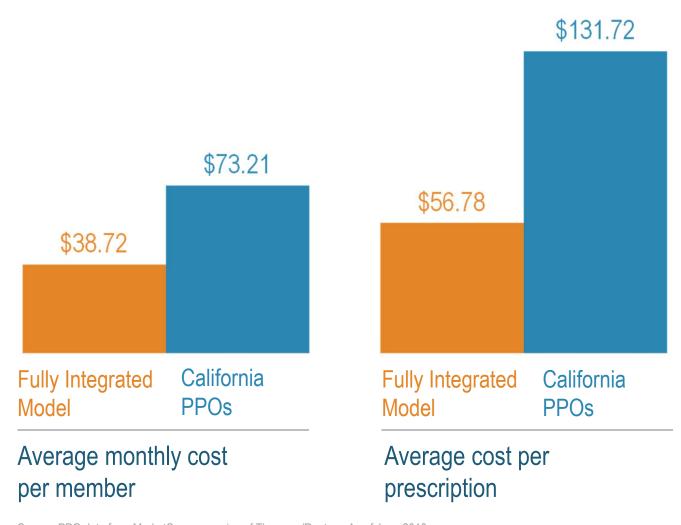


KP HealthConnect: Safety alerts





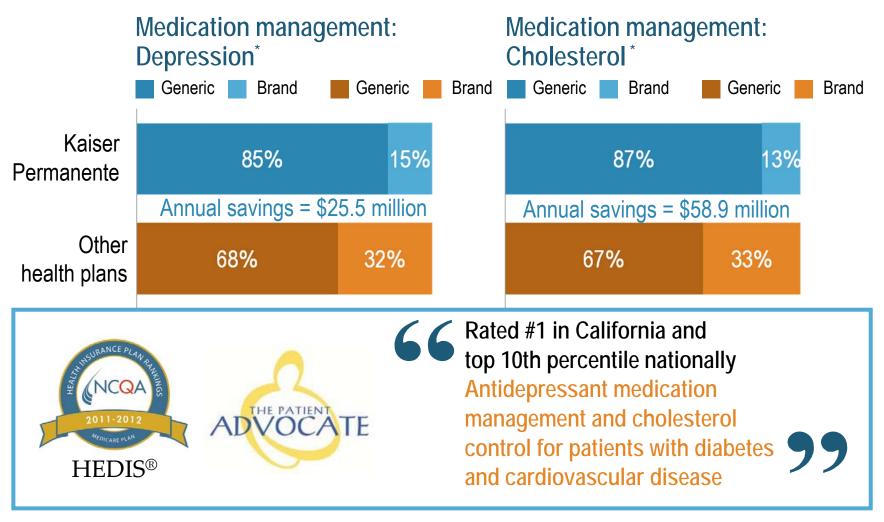
Better value for medication management



Source: PPO data from MarketScan, a service of Thomson/Reuters. As of June 2010...



Highest generic prescribing and highest clinical results

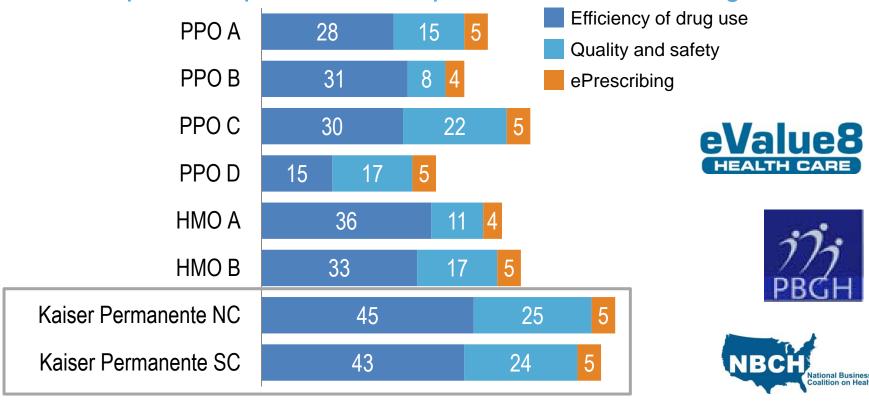


^{*} Source: MedImpact



Setting the benchmark for medication and pharmacy management

HMO comparative performance: pharmaceutical management



Source: eValue8™, a health plan performance tracking tool created by the National Business Coalition on Health, a nonprofit organization that represents more than 10,000 employers across the United States.



