"IT Innovations In a Healthcare Network Devoted Exclusively to Cancer Research & Treatment"

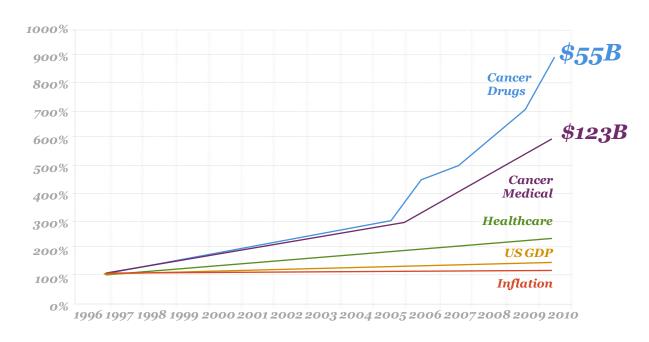
Asif Ahmad Sr. VP, Information & Technology Services February 27, 2012

Agenda

- About Us
 McKesson Specialty Health (MSH)
 Technology Foundation for MSH
- System Design and Data Assets
- Clinical Outcomes and Research
- Data Governance

Current Healthcare Challenges

Cancer costs are rising beyond inflation and other healthcare costs



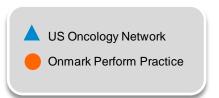
We help community-based practices manage:

- Increased competition from hospitals, clinics
- Declines in reimbursement
- Healthcare reform uncertainty
- Rising healthcare costs

McKesson Specialty Health: Strong Clinical Partners

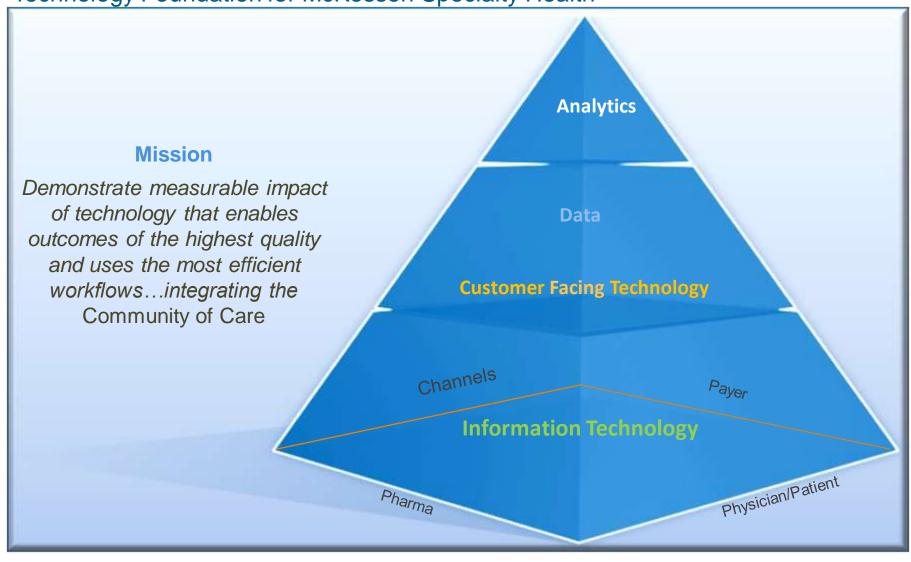


- McKesson's **2nd largest** business unit
- One of the largest distributors of specialty pharmaceuticals and biologics
- 3000 oncologists and 2200 multi-specialty practices
- Broad set of proven, customizable services





Technology Foundation for McKesson Specialty Health



System Design and Data Assets

Value of Technology for Providers

When our technological expertise is complemented by clinical data, the delivery of patient care is transformed.

Competitive advantages are realized in speed and efficiency of innovation – freeing providers to advance the science and delivery of patient care.

When integrated together, our technology systems can revolutionize the business of a practice – driving enhanced financial results, operational efficiency and supporting clinicians in delivering optimal patient care.

Wide array of individual technology solutions focused on optimizing revenue, driving down costs and increasing productivity.

Clinical Data

Physician Expertise

Integrated Technology Solutions

Integrated Technology Solutions

Increased Efficiencies

Solutions

Individual Technology

iKnowMed Electronic Health Record

VALUE

VALUE

VALUE

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VALUE

iKnowMed EHR Features

- Web-based
- Charge capture functionality
- Safety alerts
- Cancer diagnosis and extensive regimen library
- Clinical trial support

 Quick, convenient access to patient information

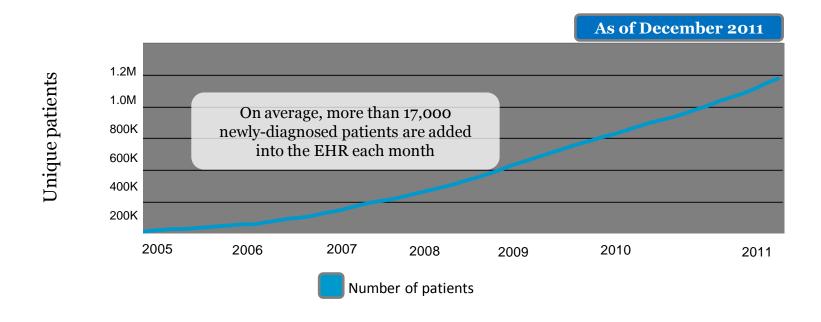
Benefits

- Increased gross charge capture ranging from \$35,000-\$86,000 per physician¹
- Decrease errors
- Point-of-care decision support
- Increase clinical trial accruals

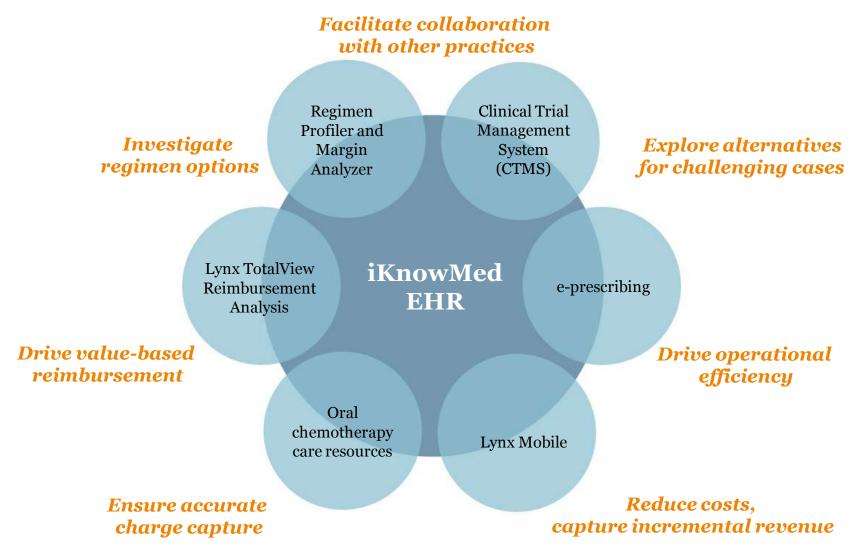


Growing Number of Newly-Diagnosed Patients in iKnowMed EHR

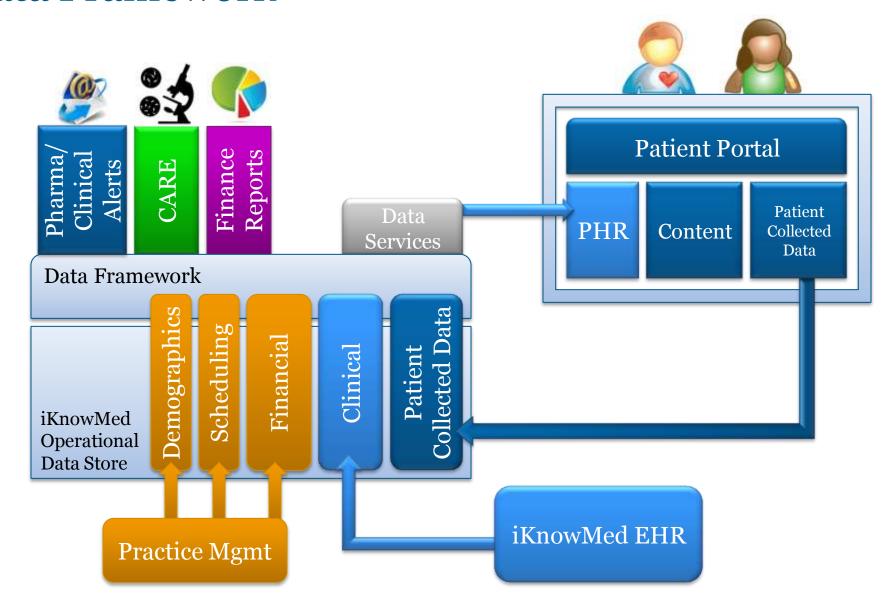
...the number of unique patients in our EHR has grown more than eight fold in just four years



iKnowMed Enabling Technology to Advance Integrated Care and a Better Patient Experience

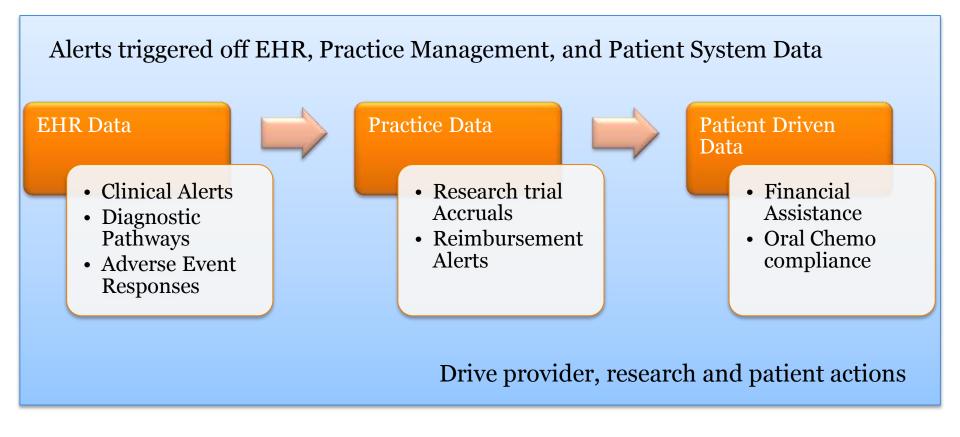


Data Framework





Real Time Decision Making





Clinical Outcomes & Research

Key Trends

Expected Trends

Target Audience is Changing

Healthcare Reform – current administration priorities and state of the economy are accelerating change

Consumerism -- Expanding set of increasingly educated and involved patients

Pay for Performance – Treatment decisions increasingly influenced by quality measures

Care Delivery Models – Efforts to design around a holistic provision of care

Current Landscape

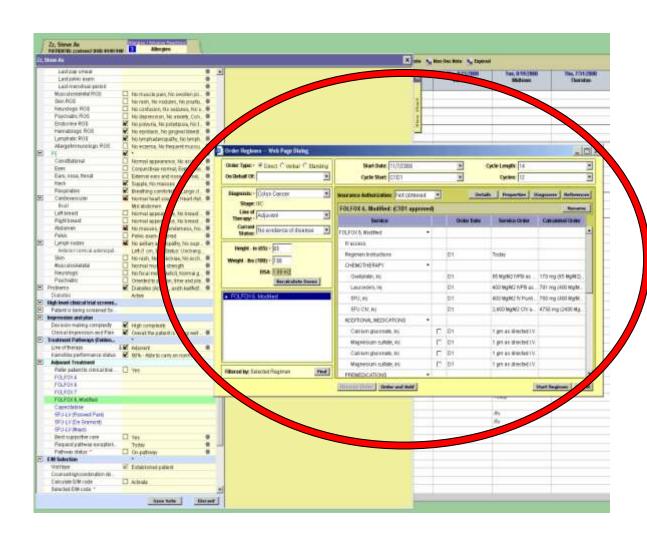


Future Landscape



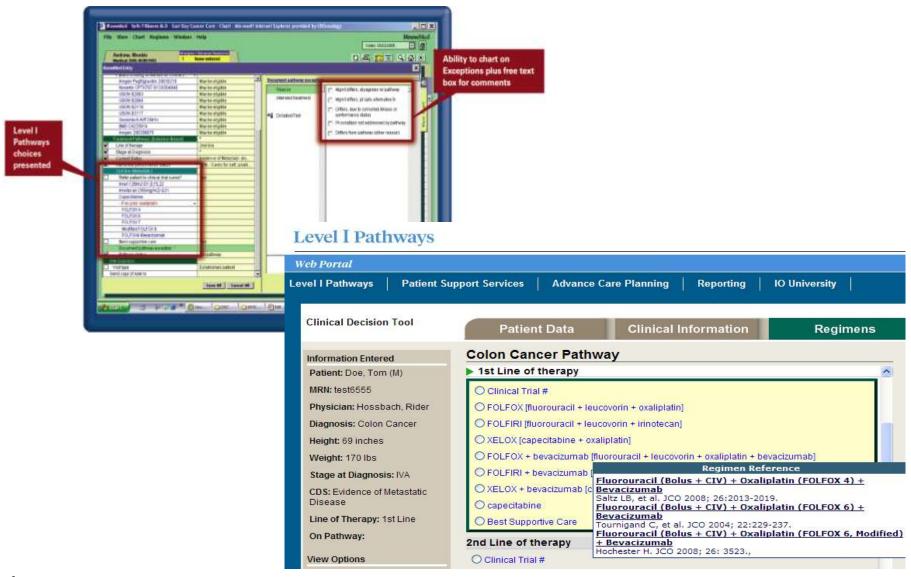
- Medication is more effective than current offerings
- 2. Medicine is safer than current offering
- 3. Medicine is priced appropriately

iKnowMed – Unique Decision Support Capability



iKnowMed decision support tool, enabling the physician to select treatment regimens

Level 1 Pathways Decision Support



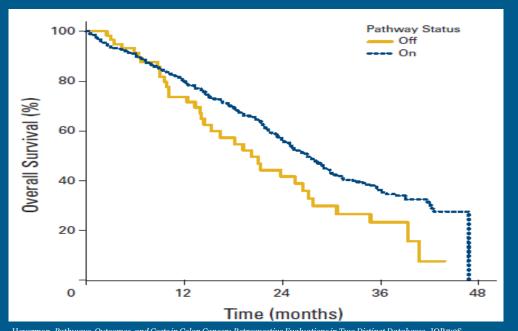
Original Contribution

Pathways, Outcomes, and Costs in Colon Cancer: Retrospective Evaluations in Two Distinct Databases

By J. Russell Hoverman, MD, PhD, Thomas H. Cartwright, MD, Debra A. Patt, MD, MPH, Janet L. Espirito, PharmD, Matthew P. Clayton, Jody S. Garey, PharmD, Terrance J. Kopp, Michael Kolodziej, MD, Marcus A. Neubauer, MD, Kathryn Fitch, RN, MEd, Bruce Pyenson, FSA, MAAA, and Roy A. Beveridge, MD

Texas Oncology, Austin; US Oncology, The Woodlands, TX; Ocala Oncology Center, Ocala, FL; New York Oncology Hematology, Albany; Milliman, New York, NY; Kansas City Cancer Center, Overland Park, KS

Disease Free Survival by Pathway Status ---Metastatic



Hoverman, Pathways, Outcomes, and Costs in Colon Cancer: Retrospective Evaluations in Two Distinct Databases, JOP 7:38

Cost Effectiveness of Evidence Based Treatment

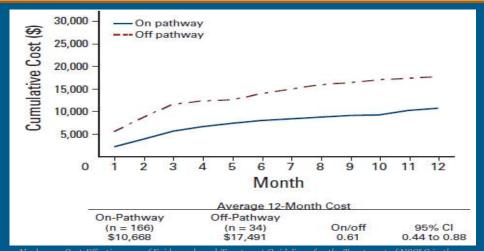
Original Research

Cost Effectiveness of Evidence-Based Treatment Guidelines for the Treatment of Non-Small-Cell Lung Cancer in the Community Setting

By Marcus A. Neubauer, MD, J. Russell Hoverman, MD, Michael Kolodziej, MD, Lonny Reisman, MD, Stephen K. Gruschkus, PhD, MPH, Susan Hoang, PharmD, Albert A. Alva, MEd, Marilyn McArthur, MS, Michael Forsyth, RPh, Todd Rothermel, and Roy A. Beveridge, MD

Kansas City Cancer Center, Overland Park, KS; Texas Oncology, Austin; US Oncology, Houston, TX; New York Oncology Hematology, Albany, NY; Aetna Informatics; and Aetna, Hartford, CT

12-Month
Cumulative Cost by
Pathway Status
and Line of
Therapy-Adjuvant



Neubauer, Cost-Effectiveness of Evidence-based Treatment Guidelines for the Treatment of NSCLC in the Community Setting, JOP, 6:1.

Market Intelligence - Line of Therapy Reporting

Description

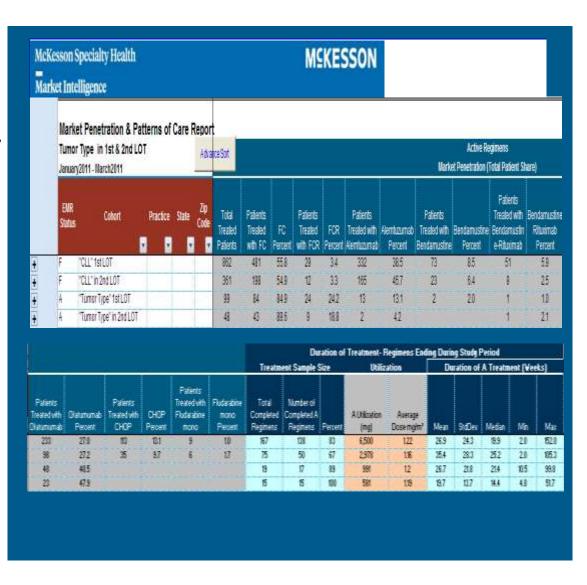
 The product identifies patients being treated for specific diagnosis and treatments and provides insights on patterns-of-care and line-of-therapy segmentation with break down by LOT at Network, State, Practice and Zip code level

Key Benefits

- Pattern of care analysis
- Line of therapy segmentation
- Identify patients treated for specific diagnosis and treatments within the competitive landscape
- Facilitates directing strategic decisions

Data Sources

- iKnowMed
- Claims
- Lynx
- Total View



US Oncology Research scale and scope

>95 Research Sites, >235 Locations covering 28 states



14 Phase I qualified Sites

- Over 50,000 patients since inception
- Over 90 open trials
- 200 active trials
- Over 2,900 active patients
- Over 5,100 follow-up patients
- 500+ FTEs dedicated to research (Central Office and Research Sites)
- More than 300 new studies reviewed annually
- Scientific and Clinical Thought Leadership

Helping Patients Access Clinical Trials

iKnowMed can help increase patient accruals into trials two ways:

- at the point-of-care
- through the ComprehensiveAccrual REsource (CARE)



Practice Patients



CARE team searches practice's patient records to find high level matches for open trials at the practice.



Potential Patients Considered for Clinical Trials

Data Governance



Data Governance Committee

...maximizing the business value of data assets

Vision

To improve quality and reduce cost of patient care and enhance the value of products and services we provide to our business partners by improving the quality of our data.

Mission

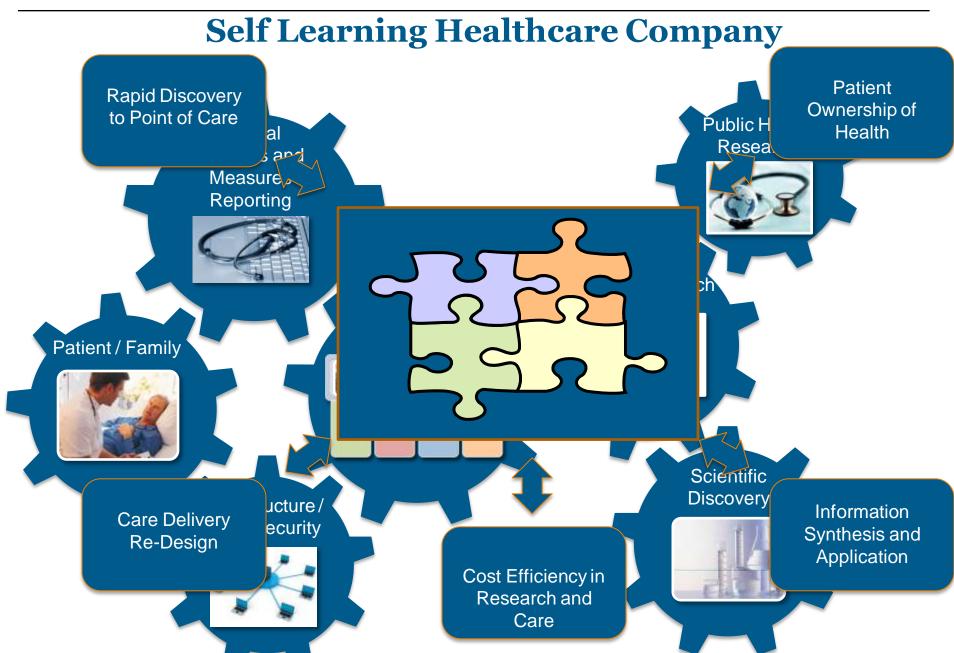
To increase awareness of the importance of data quality and to work collaboratively with all stakeholders to ensure the accuracy, completeness and consistency of our clinical, administrative and financial data.

Scope

- Data governance
- Clinical, administrative and financial data (research/distribution)
- Quality, consistency, completeness and availability of data
- Data capture, integration and utilization
- Define gaps and utilization for improvement
- Data validation
- Data structure and standardization (Master
 Data Elements)
- Communication to stakeholders
- Prioritization
- Data access and compliance with regulation
- Data reports and benchmarks

Data Source Systems

- iKnowMed EHR (Clinical)
- Lynx Mobile (Dispensed Drugs)
- Practice Management Systems
- Claims / Reimbursement /
 Demographics / Schedule
- CTMS (Research)
- SAP (Distribution)
- Patient Portal
- Future (External EMR, Hospital, Radiation, LIS, Innovent portal, etc)







Appendix

Healthcare Informatics – Data Elements

MCKESSON

Patient Details

Age/Date of Birth Name Zip/State/Region Gender

Date of Death

Patient Billing Details

Charges **Payments Adjustments** Payor(s) **Procedure code/Modifier Diagnosis** codes

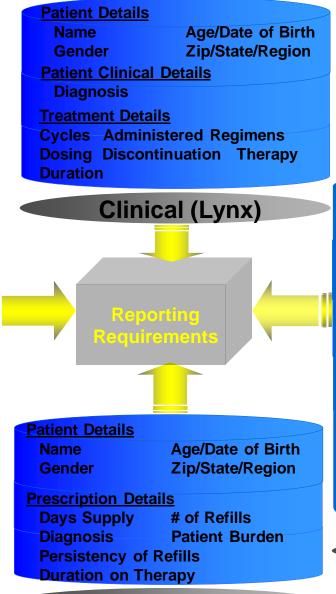
J-codes

Vial Sizes

Physician Details

Zip/State/Region Referral Source Specialty

> **Patient Billings** (Claims)



Oral Pharmacy

Patient Details

Age/Date of Birth Name Gender Zip/State/Region

Date of Death

Patient Clinical Details

Diagnosis Vital Signs Stage **Staging Factors ECOG/Karnofsky Co-morbidities Line of Therapy** Disease Status **Treatments**

Lab Results

Treatment Details

Line of Therapy **Cycles Planned Regimens** Dosing Discontinuation **Oral Chemo**

Duration on Therapy

Patient Clinical (EMR)