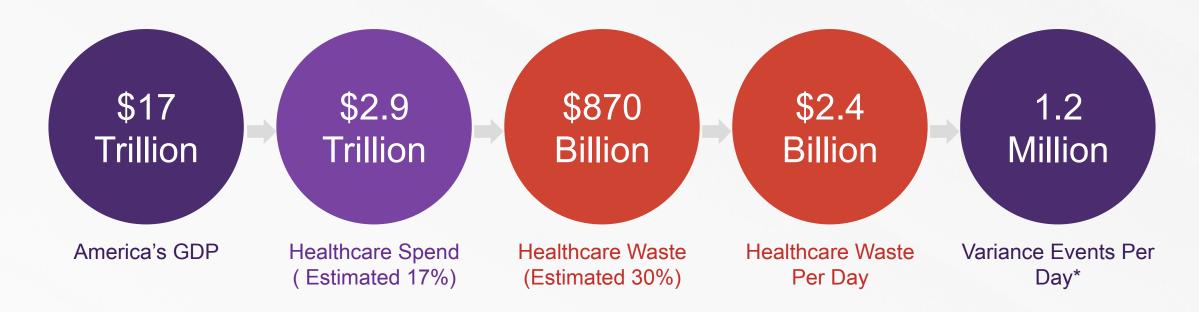
COTA HEALING HEALTHCARE™

COTA: Moving to Value *NJHCQI December* 3, 2015

Topics to be covered

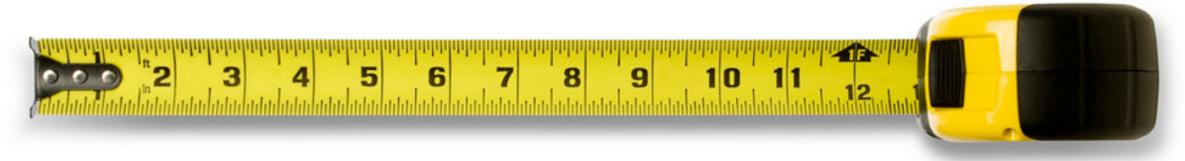
- Brief overview of COTA
- Moving to Value
 - Variance detection
 - Risk abatement
 - Benchmarking
- Company Facts & Technology

Healthcare Spend and Waste



^{*}Assumes average event costs \$2000





You can't improve what you don't measure

What are the clinical and quality outcomes for patients by disease?

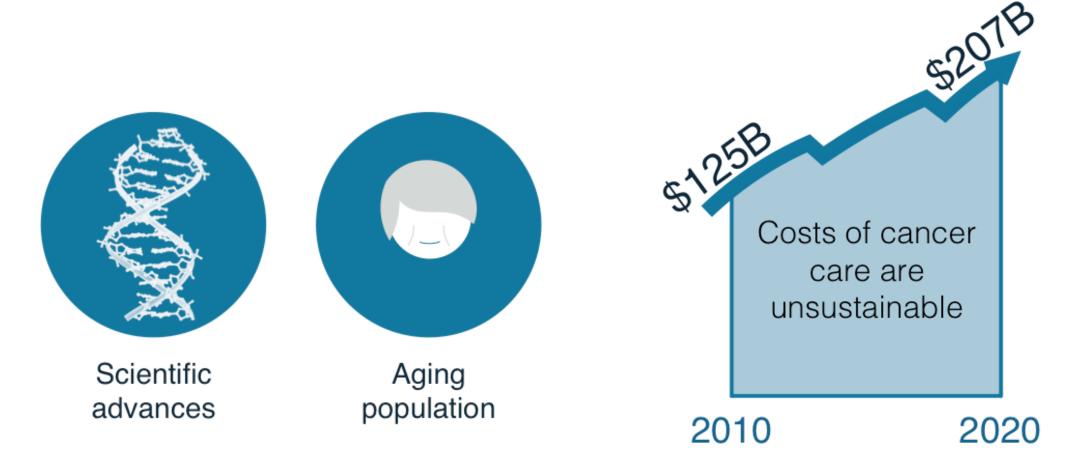
How much did it cost to deliver the care?

How are your doctors & sites performing?

How do you compare as an organization to the rest of the country?



Oncology is uniquely complex and costly



Fastest growing segment of cost across all specialties Healthcare costs now 18% of GDP – Govt taking action

Innovation brings higher price tags

Bristol-Myers Squibb Receives Approval from the U.S. Food and Drug Administration for the Opdivo (nivolumab) + Yervoy (ipilimumab) Regimen in BRAF V600 Wild-Type Unresectable or Metastatic Melanoma

- First and only FDA-approved combination of two Immuno-Oncology agents¹
- Pivotal study CheckMate -069 demonstrates significantly superior responses and progression-free survival with the Opdivo + Yervoy Regimen vs. Yervoy alone¹
- Approval of the Regimen marks a new development, demonstrating the potential of targeting distinct and complementary immune system pathways, offering patients a novel combination treatment

Up to **\$256,000** for one year of therapy

Thursday, October 1, 2015 6:59 am EDT

COTA is a software platform that enables reduction of variance through precise classification and analysis

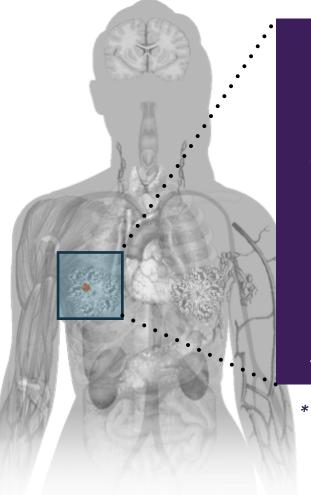


- Enable reimbursement to move to alternative payment models
- Empower providers with actionable data
- Create national benchmarks

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COTA Nodal Address: A New Digital Classification for Cancer



Clinically Relevant Factors

ICD-9 Code: 174.9

Age: 49

Estrogen Receptor: Positive

Progesterone Receptor: Positive

Her2neu: Negative

OncotypeDX: 12

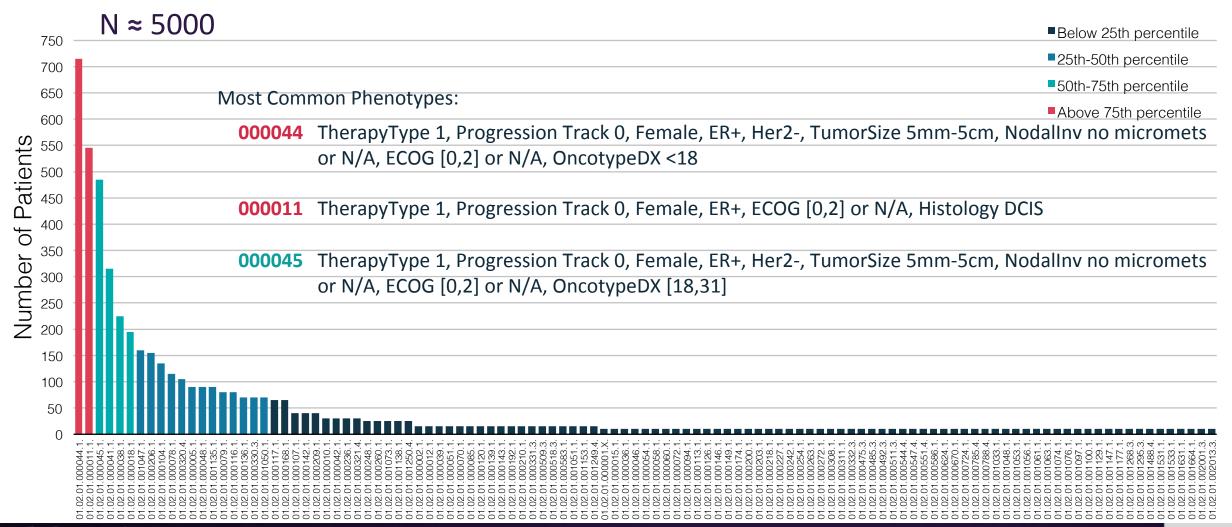
Several additional factors included

* Patent Pending

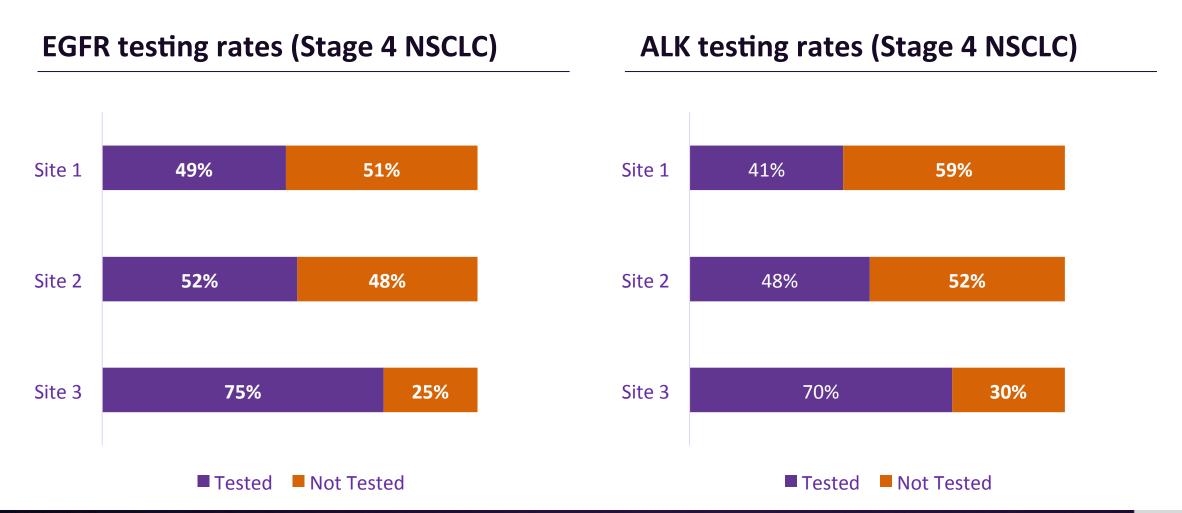
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Neoplasm of the breast Phenotype 15

Biologic disequilibrium in CNA distribution has already been identified



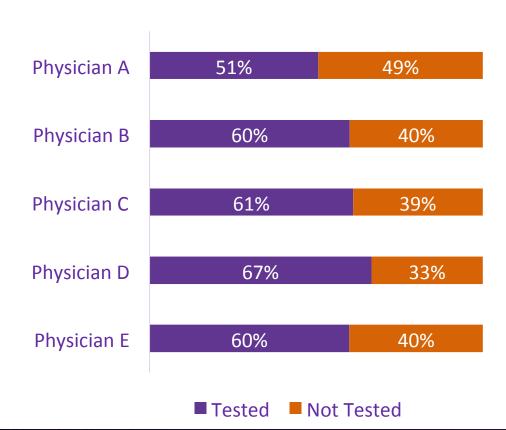
Testing rates for EGFR / ALK vary widely across practices

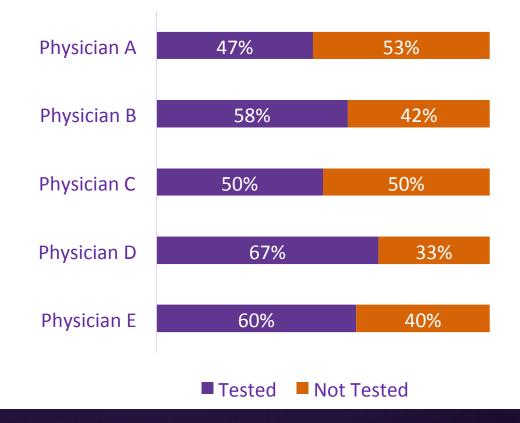


They also vary by physician

EGFR testing rates (Stage 4 NSCLC)

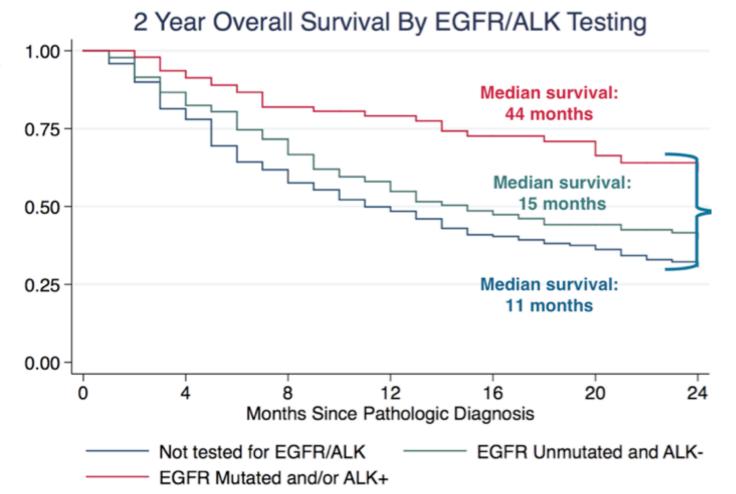
ALK testing rates (Stage 4 NSCLC)





Testing and appropriate use of targeted therapies significantly improve survival in the real world

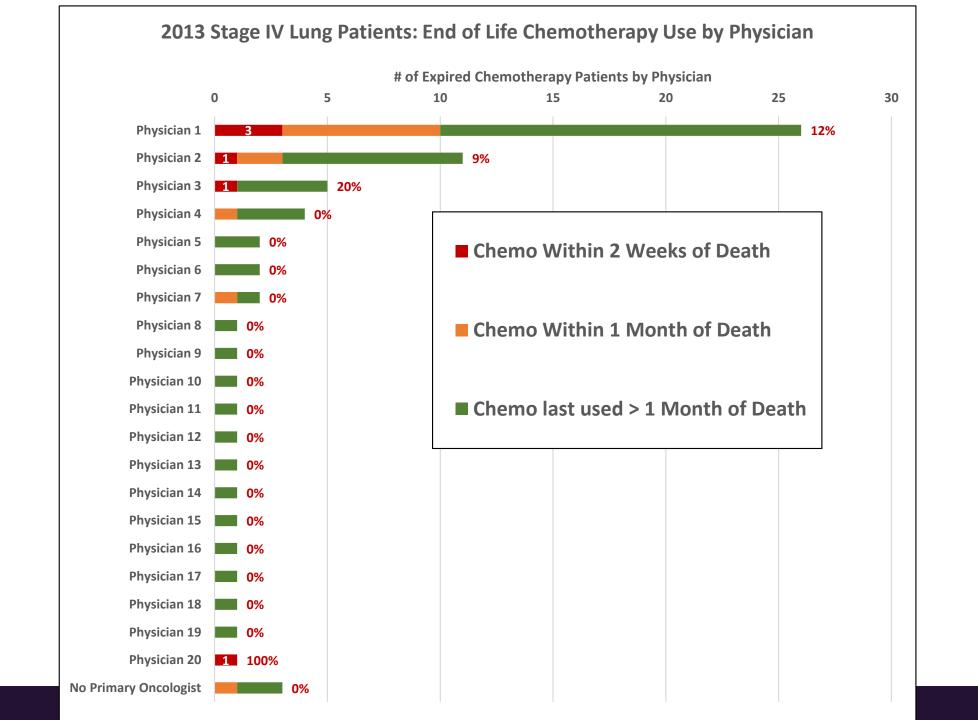
N=722 patients with stage IV NSCLC



correlation
with testing
for EGFR and/
or ALK of 4x:
44 months vs.
11 months

Metastatic Lung Cancer: Total Costs

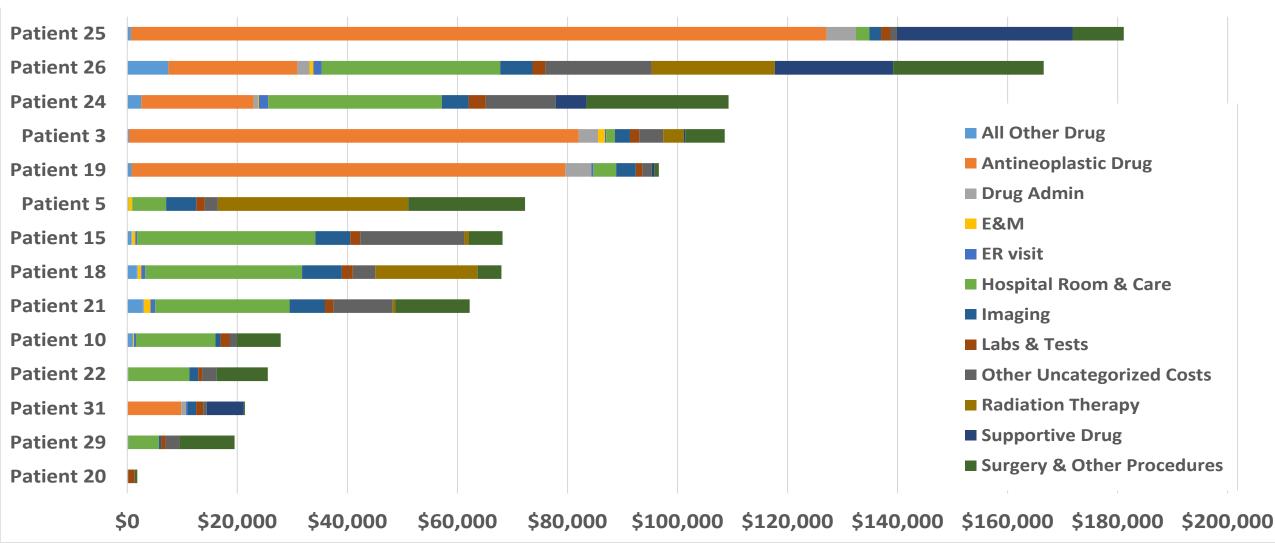
N=49	Average total cost		% anti- neoplastic drugs	Mean Observation Time (days)	Avg Inpatient LOS (days)	Deaths, n (%)	Charlson Co- morbidity
Non-small- cell non- mutated n=31		\$83,871	41%	195	8.9	19 (61%)	3.9
Non-small- cell mutated n=8		\$75,003	64%	273	3.8	1 (13%)	3.4
Small cell n=10	\$57,3	326	33%	236	8.7	8 (80%)	3.3



Detecting variance with CNAs: Phenotype 011852 Chemotherapy use (Stage 4 NSCLCA)

Patient	1stLineRegimen
Patient 24	Alimta/Carbo/Avastin
Patient 25	Alimta/Cisplatin/Avastin
Patient 26	Alimta/Carbo
Patient 29	No Chemotherapy
Patient 22	No Chemotherapy
Patient 10	No Chemotherapy
Patient 3	Alimta/Avastin
Patient 21	No Chemotherapy
Patient 18	No Chemotherapy
Patient 19	Alimta
Patient 5	No Chemotherapy
Patient 15	Alimta/Carbo
Patient 31	Alimta/Carbo/Avastin
Patient 20	No Chemotherapy

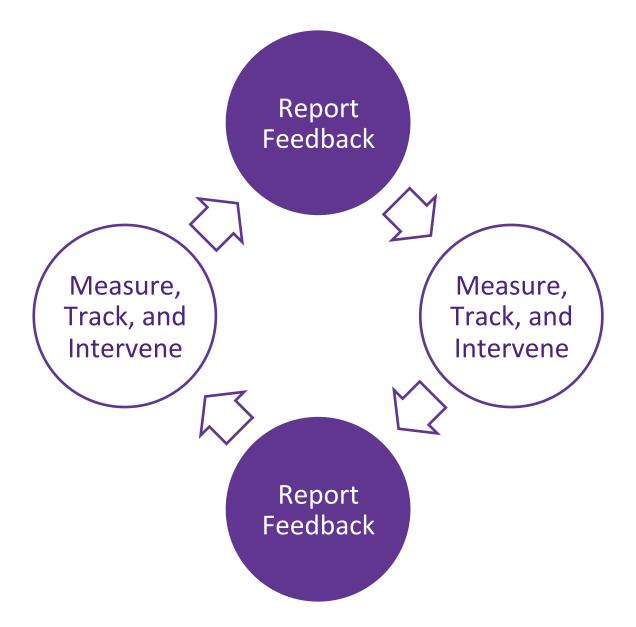
Detecting variance with CNAs: Phenotype 011852 Total Cost by patient (Stage 4 NSCLCA)



Active tracking and reporting improves quality (COTA partner practice experience)

Clinical Metric	Historical	Currently tracking
Molecular testing rates (EGFR & ALK)	59%	>80%
Documentation of ECOG at 1 st visit or prior to chemotherapy start	50%	>90%
Inappropriate use of targeted therapies	5%	0%
Appropriate use of targeted therapies	83%	>95%

Improving outcomes and reducing variance is an iterative process.



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COTA Technology

Aggregation and Ingestion

- Accept data from any source in any format – "EMR agnostic"
- Full HL7 integration in 1 month or less
 - Epic, Cerner, Altos, Varian, etc
- Implementing first FHIR production integration with Epic in the US
- Support extraction of structured and unstructured data in addition to standardized HL7/FHIR formats

Other Key Features

- Analysis & Visualizations
- Benchmarking & Decision Support
- Security
 - Cloud-based, HIPAA compliant, web applications
 - Data encryption (HTTPS in transit and AES 256 at rest) standard data within the system

COTA Company Timeline

 Initial commercial Life Sciences

deals executed with

Launch Medical Home with Cigna

- Launch Metastatic Bundles in Lung & Colon
- Benchmarking quality metrics for major systems

2011

2012

2013

2014

2015

- COTA Incorporates
- Seed funding from Regional Cancer Associates (RCCA)

- September: \$7M Series A round with Horizon BCBS as lead investor
- October: Breast Cancer Bundles launched with Horizon and RCCA

- Dr. Andrew von Eschenbach joins COTA Board
- Validated seminal concepts with Life Sciences/Pharma
- Staff reaches 62
- Office relocates to 85 Broad Street in Financial District, NYC

Management and Board of Directors



Andrew Pecora, MD
Founder and Chairman



Eric Schultz
Chief Executive Officer



Stuart Goldberg, MD
Chief Medical Officer



Kelly Choi, MD
Chief Operating Officer



William Kea
Chief Financial Officer



Augie Smith
Chief Technology Officer

Andrew Pecora, MD

Executive Chairman

Joseph Davi
President & CEO, Med-Metrix

Andrew von Eschenbach, MD

Former Commissioner FDA and

Director of NCI

Andre Goy, MD
Chairman, John Theurer Cancer Center

John Hervey
Senior Managing Director, Guggenheim
Partners

Ed Licitra, MD

Board Chairman, Regional Cancer Care

Associates

Minal Patel, MD

Chief Strategy Officer, Horizon Blue
Cross Blue Shield

Glenn Pomerantz, MD
Chief Medical Officer, Horizon Blue
Cross Blue Shield

Eric Schultz
Director