

# “Into the Lion’s Den”

## My Experience with Third Party Payers and Molecular Diagnostics



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# Disclaimers/Disclosures

- I am a full-time employee of Invitae Corporation, a genetic testing company, from whom I receive salary and stock options
- Although the opinions expressed here are based on my experience working at Invitae, the opinions are my own and do not necessarily reflect those of Invitae

# Anecdotes as Data

“The plural of anecdote is data”

- Raymond Wolfinger , Stanford Graduate Seminar (1969-1970)



“The plural of anecdote is not data”

- Bernstein, I. S. Metaphor, cognitive belief, and science. Behavioral and Brain Sciences 11:247-24 (1988).

# Third Party Payers are NOT Monolithic

## Each payer creates its own policies



- Medicare
- Large Private Payers (United, Aetna)
- The many “Blues”, large and small; some were acquired and belong to a large umbrella but still retain some autonomy, some are independent
- State Medicaid, managed Medicaid
- Etc. etc. etc.

**MoldX does not dictate  
to most Insurers**



**But it does wield  
much influence**



# **When it comes to Molecular Genetic Testing Many (?Most) Payers Play “Follow-the-Leader”**

- MolDX – reviews evidence concerning whether to cover genetic tests – Directed by Dr. Elaine Jeter
- MolDX grew out of the work of Palmetto GBA, a subsidiary of Blue Cross Blue Shield of South Carolina. Palmetto is an AB Medicare Administrative Contractor (MAC).

# When it comes to Molecular Genetic Testing Many (?Most) Payers Play “Follow-the-Leader”

- Noridian took over Jurisdiction 1 AB MAC region— California, Nevada, Hawaii, and the Pacific Territories
- MoIDX program continues to be supported in jurisdiction 1 and has been added to Palmetto GBA’s Jurisdiction 11 contract (South Carolina, North Carolina, Virginia, and West Virginia).
- Other MACs may look to MoIDX but they make their own Local Coverage Decisions (LCD)
- Many Private Insurers look to MoIDX for guidance
- But remember: Medicare only covers affected individuals and not relatives at risk

# **MoldX and the new Code for Hereditary Breast and Ovarian Cancer by NGS**

When applying for Local Coverage Decision

- Analytical Validity Data
- Clinical Interpretation concordance within and between labs (using Clinvar)
- Clinical Utility

Preliminary Pricing: \$622 while paying >\$2000 for old BRCA1/2 code



# Complex Dynamic Among Concerned Parties

## Patients and Providers

- Driven by Personal Utility concerns
- Looking to get their tests paid for



## Payers

- Driven by Clinical Utility concerns
- Looking for utilization management
- Concerned about downstream costs engendered by testing



## Lab

- Keep the lights on
- Get into contract with Payers
- Keep customers happy

# Insurers' Previous Experience with Testing

Staggering under Code Stacking      Burned by Drug Testing



# The Toxicology Boom



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# Even More Complex Dynamic: Example of LDLR mutation testing and PCSK9 Inhibitors

## Patients and Providers and Advocates

- Driven by Personal Utility concerns
- Looking to get their tests paid for



## Lab

- Keep the lights on
- Get into contract with Payers
- Keep customers happy

## Payers

- Want genetic testing that will limit use of expensive therapies



## Drug Companies

- Don't want genetic testing that will limit use of expensive therapies

# Summary

- Obtaining 3<sup>rd</sup> party payer coverage for genetic testing is a chaotic and fragmented process
- Some payers understand the field, others are clueless
- There is a theoretical bar of showing true clinical utility for the individual patient (alters management) but this bar is arbitrarily and haphazardly applied or disregarded by different payers
- Many payers are “fighting the last war” and worrying about panel testing because of code stacking in the past.
- Utilization management is a mantra but its implementation is rigid, bureaucratic, and contributes unnecessarily to increased health care costs