Teams Based Quality Improvement – 4F
Quality Model to Improve Timely
Molecular Testing and Treatment of
Patients with Metastatic Lung Cancer

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# **Disclosures**

- Research Grants to institution: Genentech (4R), AstraZeneca, BeiGene, Biotheranostics, Exact Sciences
- · Participation in real world evidence think tank: Pfizer

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# **Setting and methods**

#### Kaiser Permanente Nor Cal

- 4.5 million members
- 21 cancer centers, CoC accredited
- Mixed generalist, sub-specialization model, access to primary care
- Commercial, Health Exchange, Medicare, MediCal
- Large community population, both rural and urban
- New fellowship program in SF

### 4R Oncology® Model

(4R = Right Info / Care / Patient / Time)

- Guideline based Care Sequences® innovative care plans
- Tested in national settings
- 4R approach:
  - Build Teams using 4R methods
     Implement Care Sequences

Implement care sequences
 Optimize timing / sequence of care delivery using 4R methods
 PDSA cycles: update Care Sequences and care delivery
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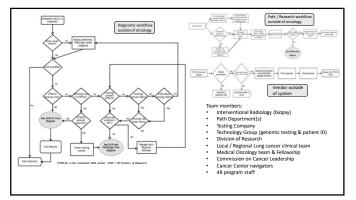
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### **Problem & Aim Statement**

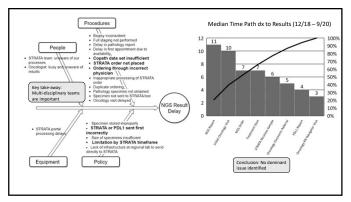
**Problem**: There were delays from diagnosis to next generation sequencing (NGS) results in patients with metastatic non-small cell lung cancer (NSCLC). At our institution, it took a median of 24 days for patients with a pathological diagnosis to receive results of NGS, compared to 15 days recommended by ASCO. Delays in NGS results can lead to: Increased patient fear and anxiety, Inappropriate use of front-line therapies, Increased mortality.

**Aim**: By June 1, 2021, we aim to reduce time from pathological diagnosis to NGS results for newly diagnosed patients with metastatic non-small cell lung cancer by 5 days, reducing time to NGS results to 19 days.

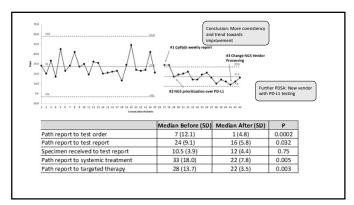
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## Learnings

#### Opportunities

- CoC administrative support
- 4R research grant
- Physician run organization
- New fellowship program

## Challenges

- Hand-offs / multiple small processes problematic
- Processes outside of local
- Balancing measures
- Data
- Timelines to complete project
- Sustainability

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# **Key Takeaways**

- · Build a strong team early
- Don't jump to solutions
   Use existing processes (eg, 4R and PDSA) to gain sustainability

References.

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