

# Potential Directions for Future Research and Evaluation of Cancer Control Efforts

CHRISTOPHER LIS, PHD, MPH  
SENIOR ADVISOR, LEAVITT PARTNERS

November, 12, 2019



**LEAVITT**  
P A R T N E R S

# Agenda

- 1 Importance of Public Health Efforts in Cancer Control in the United States
- 2 Current State—Overview and Key Challenges
- 3 Potential Directions for Future Research and Evaluation

# Importance of Public Health Efforts in Cancer Control

# Importance of Public Health Efforts in Cancer Control



## Magnitude of the Problem

In 2016, 1,658,716 million new cases of cancer were reported, and 598,031 people in the United States died from cancer.



## Health Disparities

Cancer incidence, prevalence, access to care, and outcomes exhibit **persistent disparities** among different racial, ethnic socioeconomic, and geographic populations.



## Volume & Cost

The total economic burden attributed to, or associated with, cancer in the US is estimated to be approximately **\$600B** annually.

# Current State of Cancer Control in the United States

# Current State—Overview

**Within the public and private sector, cancer control efforts in the United States remain fragmented with suboptimally defined feedback mechanisms to guide system-level evaluation and continuous improvement.**



**158 countries belong to the WHO**



**82% of WHO countries have an overarching, system-level strategy or vision**



**For 243 Years**

**the U.S. has not had a health system strategy**

# Current State—Stakeholder Fragmentation

**Complementing government efforts are hundreds of organizations with diverse missions and interests whose efforts also lack central coordination.**

## Key Stakeholders In...



### Government

- CDC
- NCI
- NIH
- CMS
- HHS
- VA
- FDA
- EPA

### Non-Profit

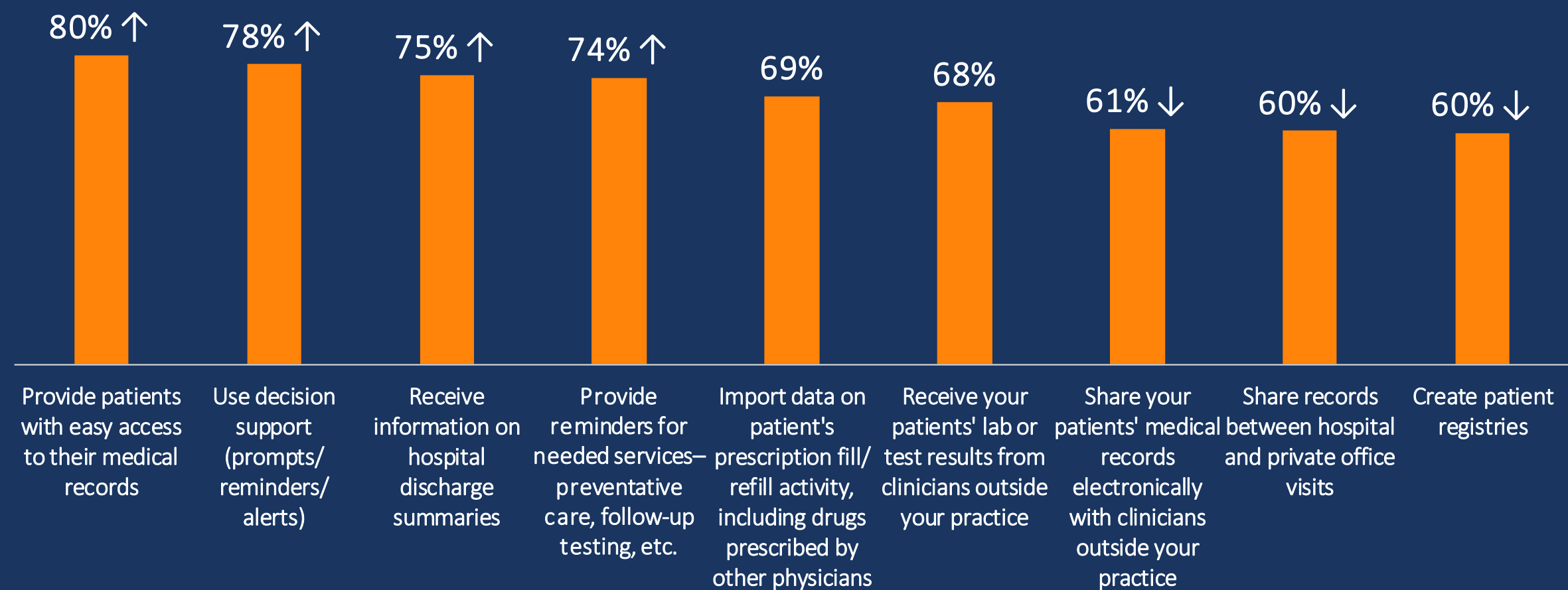
- ACS
- ASCO
- AACR
- NCCN

### Private Sector

- Amazon
- Google
- Apple
- Intel
- IBM
- Health2047

# Current State – Insufficient Data Integration & Liquidity

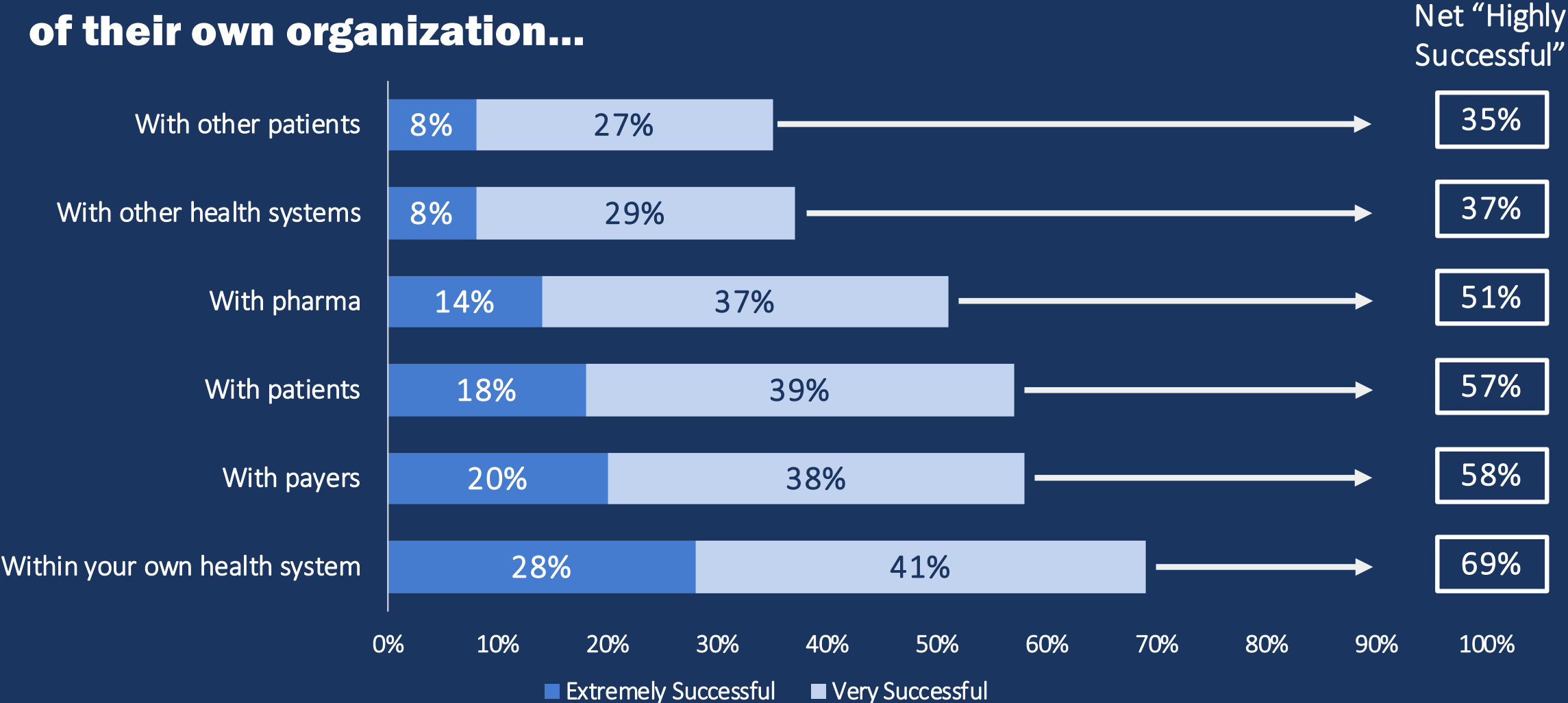
**Does your electronic medical record system allow you to ...?**



Arrows (↑↓) indicate statistically meaningful differences from the mean; Filter: 2018 AND EMR user; Unweighted; base n = 499. 2018 Leavitt Partners Physician Survey.

# Current State – Insufficient Data Integration & Liquidity

**Stakeholders still struggle to share medical data outside of their own organization...**



Source: Improving Health Care Interoperability: Are We Making Progress? HIMMS Report, August 2019

# Future Research and Evaluation Opportunities

# What's Next? Potential Directions for Research & Evaluation

**Centralize &  
Standardize a Health  
Care Data Liquidity  
Repository**

**Accelerate the use of  
Real-World Evidence  
Research**

**Advance Patient-  
Centered Outcomes  
Research & Value-  
Based Care**

**Develop a National Task  
Force to Create Planning &  
Monitoring Tools**

**Apply Systems Engineering  
to Future Coordination  
Efforts**

# Summary and Key Takeaways

# Summary and Key Takeaways

1

The need for improved cancer control systems is driven by both a human and an economic imperative.

2

The U.S. should consider developing a national cancer control system

3

Research developments in molecular biology, cancer genetics and genomics, provide clear opportunities for improvement in cancer control



Smart on Value

**LEAVITT**  

---

**PARTNERS**

*Thank You*

Offices in Salt Lake City, Chicago, and Washington, D.C.



801-538-5082



[www.leavittpartners.com](http://www.leavittpartners.com)



@LeavittPartners