

Models of Care that Integrate Services *and* Stratify Delivery by Risk and Needs

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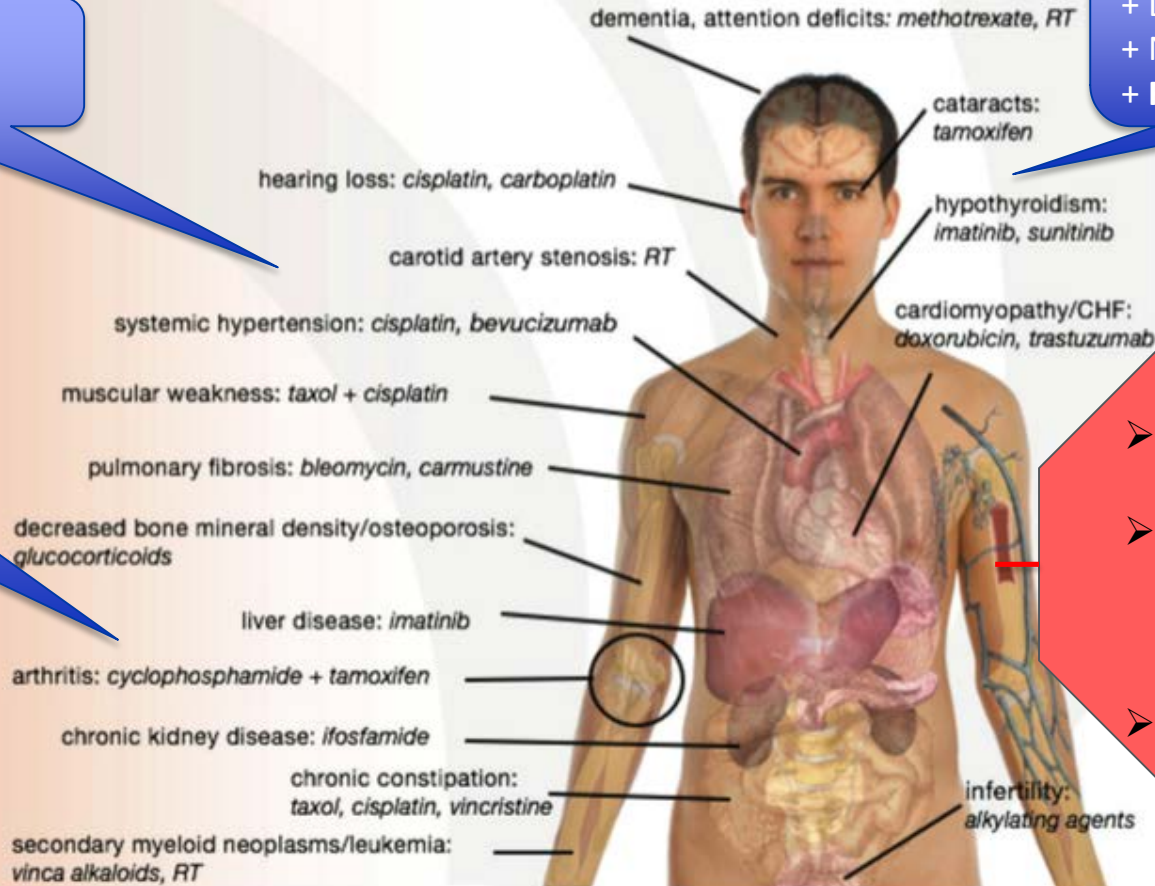
Addressing the Adverse Consequences
of Cancer Treatment
National Cancer Policy Forum
November 9-10, 2020

Survivorship Starts **at Diagnosis** to Equitably Improve Multiple Long-term Outcomes; *regardless of prognosis*

+ Disparities in Outcomes

+ Provider shortages & knowledge deficits

+ Fatigue
+ Depression, Anxiety
+ Lymphedema
+ Neuropathy
+ **Financial toxicity**



➤ Functional limitations
➤ Reduced participation in work, life roles
➤ Reduced QOL

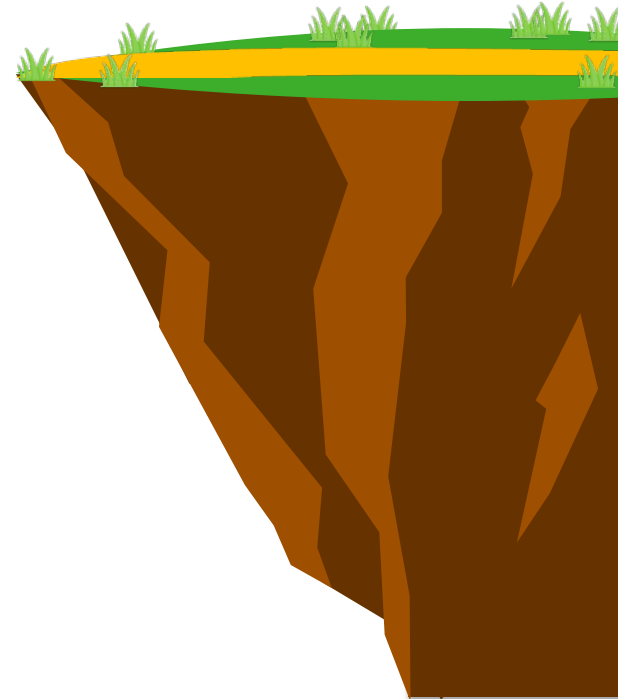
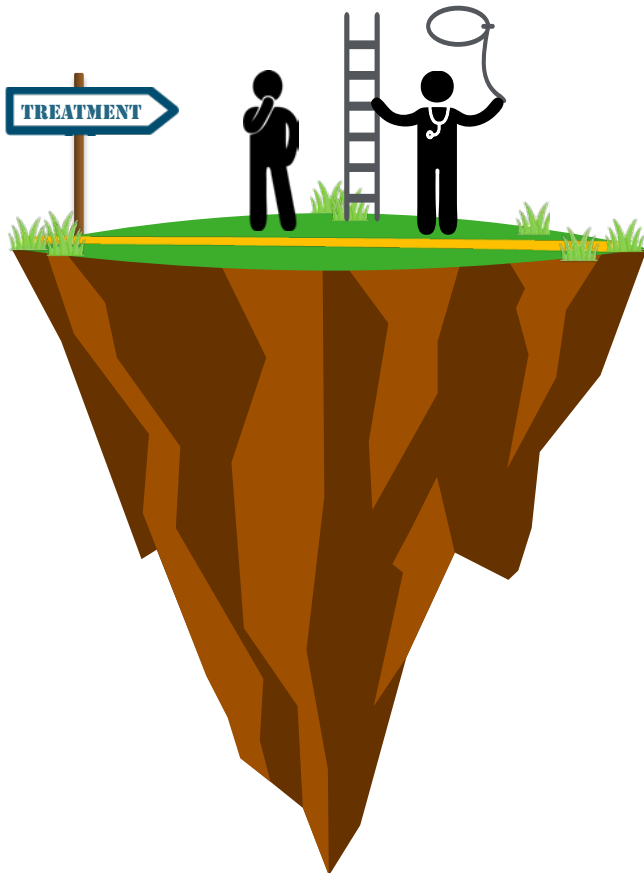
Figure 1 Diagram depicting age-related effects of respective cancer therapies. CHF, congestive heart failure; RT, radiation therapy.

Current State of Cancer Treatment

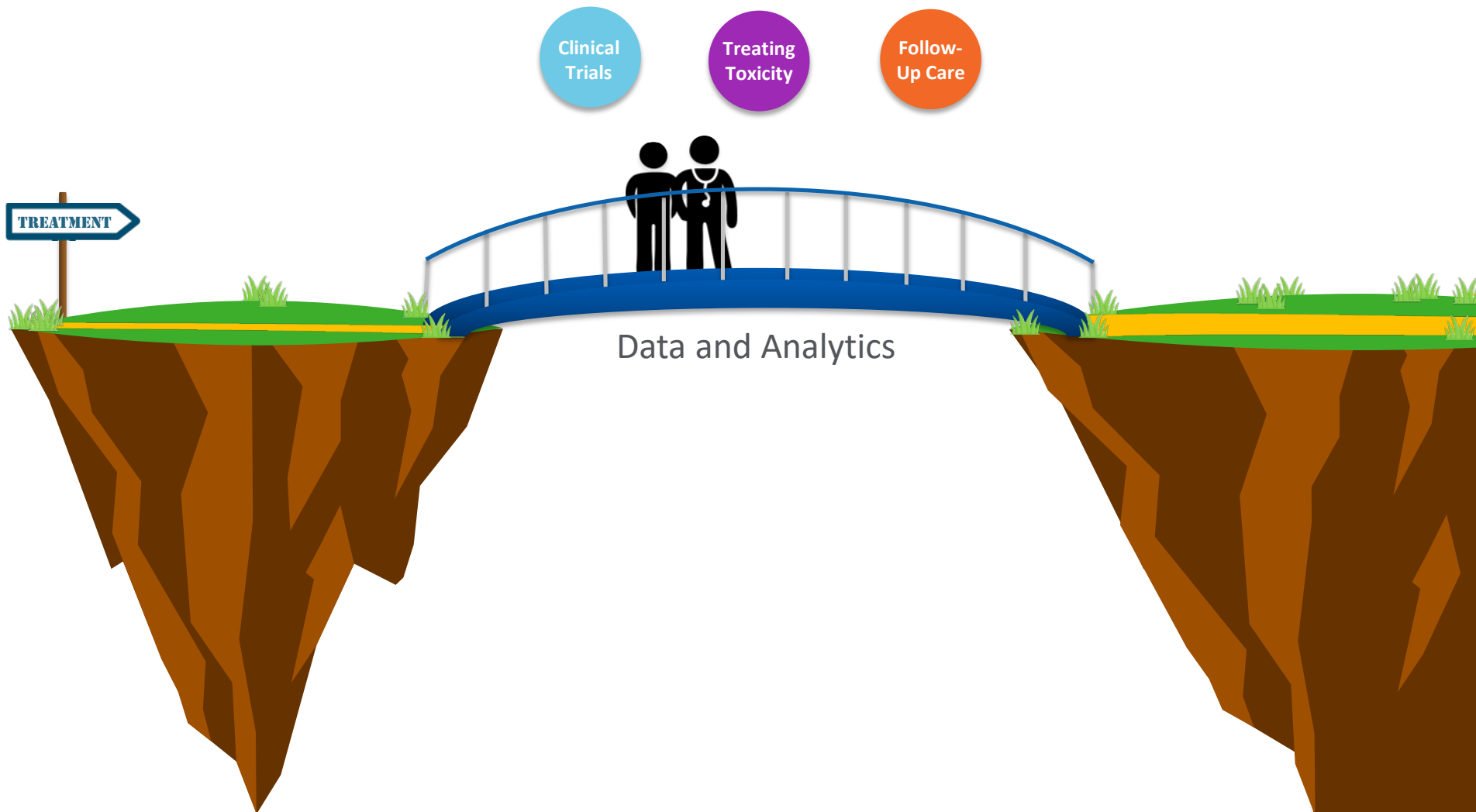
Clinical
Trials

Treating
Toxicity

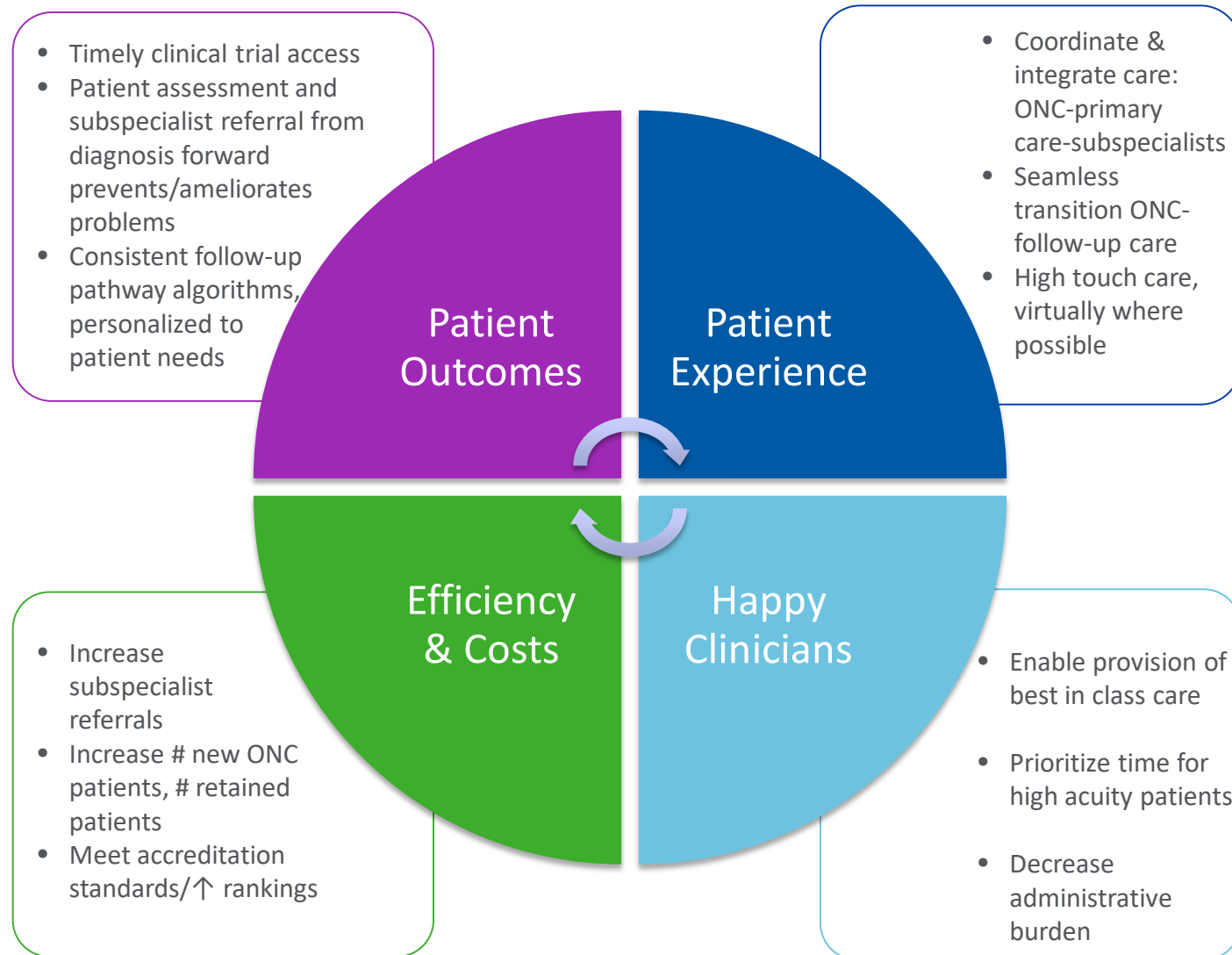
Follow-
Up Care



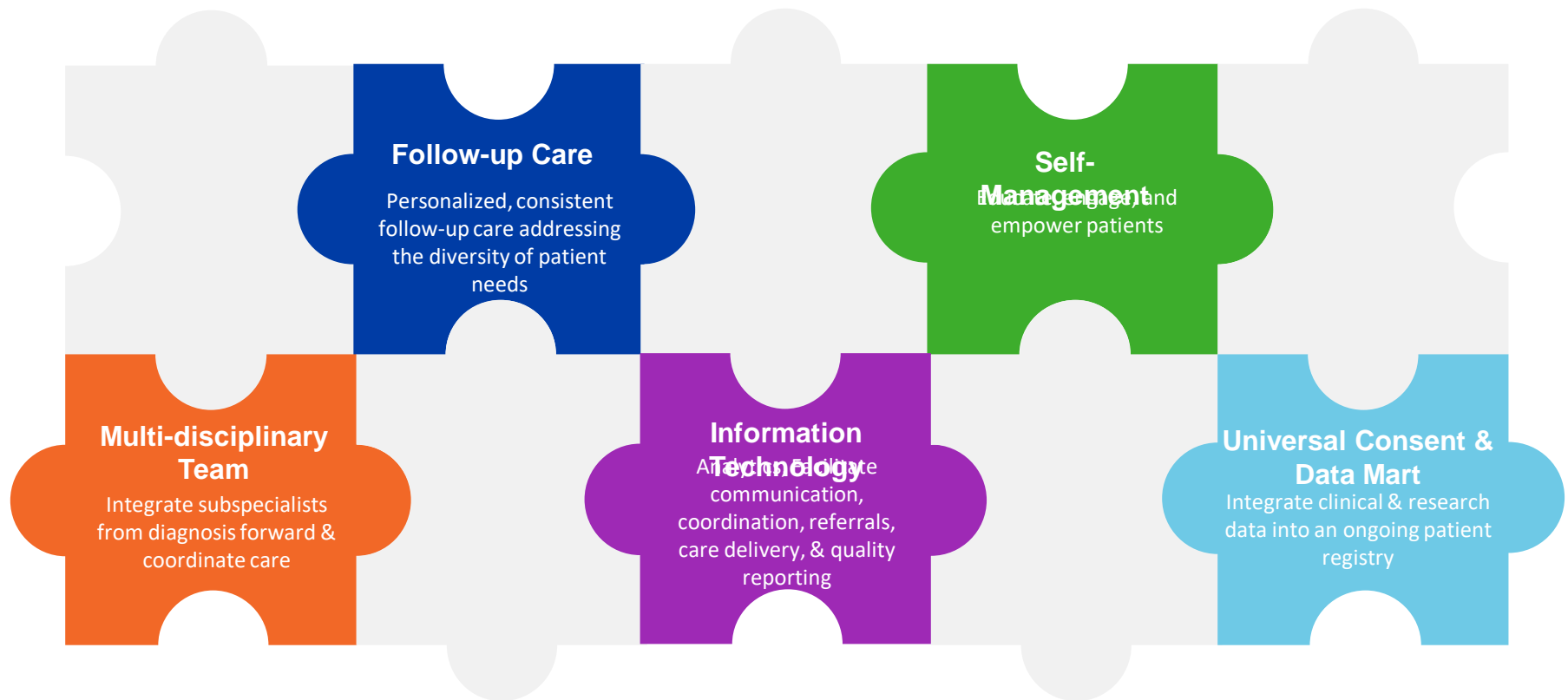
The Future: The Northwell Way



Best in Class Survivorship Care Solves a Complex Problem: Meeting the Quadruple Aim



Best in Class Survivorship Care Fills Gaps and Connects Existing Resources:



We Need to Equitably Facilitate Timely Access to Multi-disciplinary Care

Cardio-oncology

Oncology & Primary Care

Cancer Rehabilitation

Genetic Counseling

Palliative Care

Psychosocial Care

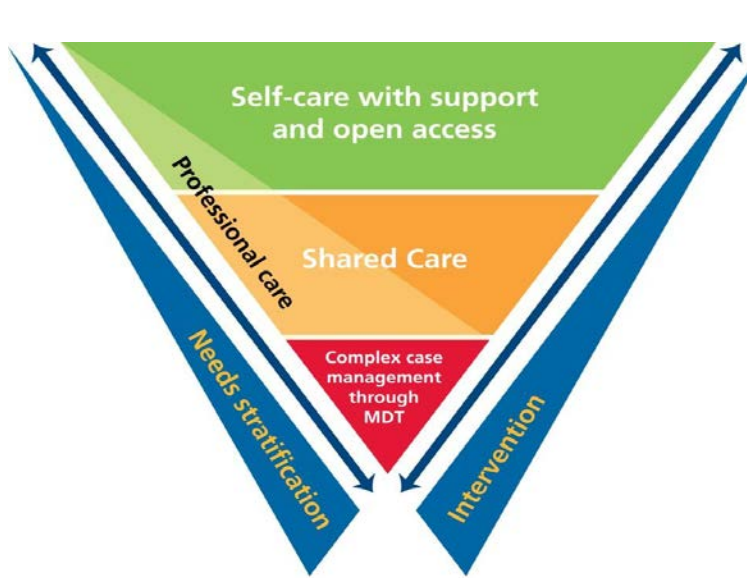
Dentistry

Endocrinology,
Neurology,
Audiology, and
others

Exercise & Nutrition



We need to Learn from England and Northern Ireland Pilot Tests of Stratified Survivorship Care



Breast Cancer: 80%
Colorectal: 50%
Prostate: 40%

Stratified Model With 3 Care Pathways:

- Met patients' needs while improving clinical efficiency
- Improved follow-up surveillance tests by 20%
- Freed up oncology visits for new patients; ↓ 34% wait time
- Projected cost savings: 90M pounds over 5 years

Source: NHS Improving Quality: *Stratified cancer pathways: redesigning services for those living with or beyond cancer*, 2013

- ✓ Research Agenda
- ✓ Create and Test Models
- ✓ Clinical Guidelines
- ✓ Care Delivery Tools

Implementing Personalized Pathways for Cancer Follow-Up Care in the United States: Proceedings from an American Cancer Society–American Society of Clinical Oncology Summit

Catherine M. Alfano, PhD ¹; Deborah K. Mayer, PhD, RN, AOCN, FAAN²; Smita Bhatia, MD, MPH³; Jane Maher, FRCP, FRCR⁴; Jessica M. Scott, PhD⁵; Larissa Nekhlyudov, MD, MPH⁶; Janette K. Merrill, MS⁷; Tara O. Henderson, MD, MPH⁸

CA Cancer J Clin 2019, May;69(3):234-247

We Need to Build IT to Assess Patient Needs and Imbed Analytics to Facilitate Care:

special
article

Mending Disconnects in Cancer Care: Setting an Agenda for Research, Practice, and Policy

Catherine M. Alfano, PhD¹; Deborah K. Mayer, PhD, RN, AOCN, FAAN²; Ellen Beckjord, PhD MPH³; David K. Ahern, PhD^{4,5}; Michele Galioto, DNP⁶; Lisa K. Sheldon, PhD⁷; Lisa M. Klesges, PhD⁸; Eliah Aronoff-Spencer, MD, PhD⁹; and Bradford W. Hesse, PhD¹⁰

JCO Clin Cancer Inform 4:539-548 (2020)

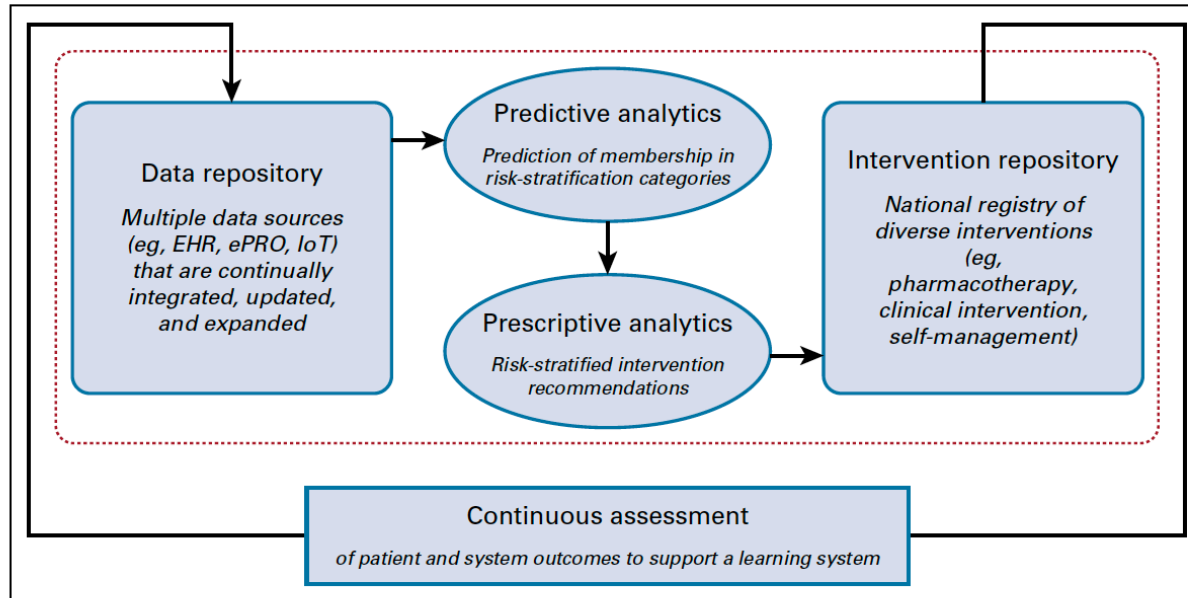













FIG 1. The learning health care system for oncology care. EHR, electronic health record; ePRO, electronic patient-reported outcome; IoT, Internet of Things (e.g. implantable or wearable devices).

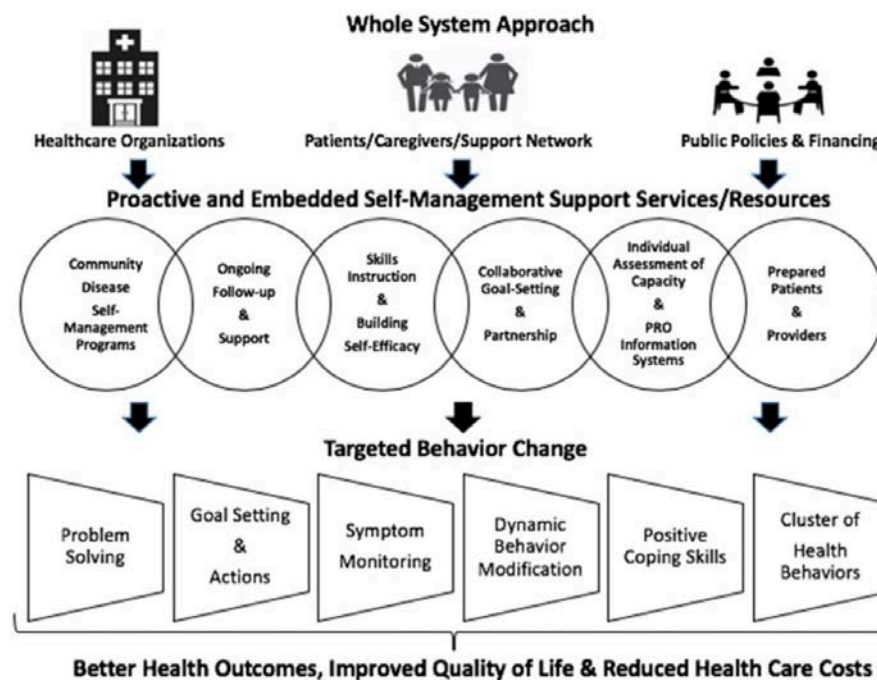
We Need to Support Patients in Self-Managing their Health

JNCI J Natl Cancer Inst (2020) 113(5): djaa083

Management of Cancer and Health After the Clinic Visit: A Call to Action for Self-Management in Cancer Care

Doris Howell , RN, PhD,^{1,*} Deborah K. Mayer , RN, PhD,² Richard Fielding, BA, C Psychol, PhD,³ Manuela Eicher , RN, PhD,⁴ Irma M. Verdonck-de Leeuw , PhD,^{5,6} Christoffer Johansen , MD, PhD,⁷ Enrique Soto-Perez-de-Celis , MD, MSc,⁸ Claire Foster , C Psychol, PhD,⁹ Raymond Chan ,¹⁰ Catherine M. Alfano , PhD,¹¹ Shawna V. Hudson , PhD,¹² Michael Jefford , MD, PhD,¹³ Wendy W. T. Lam , PhD,¹⁴ Victoria Loerzel , BSc, PhD,¹⁵ Gabriella Pravettoni , PhD,^{16,17} Elke Rammant , MSc, PhD,¹⁸ Lidia Schapira, MD,¹⁹ Kevin D. Stein , PhD,²⁰ Bogda Koczwaro ,²¹ and the Global Partners for Self-Management in Cancer

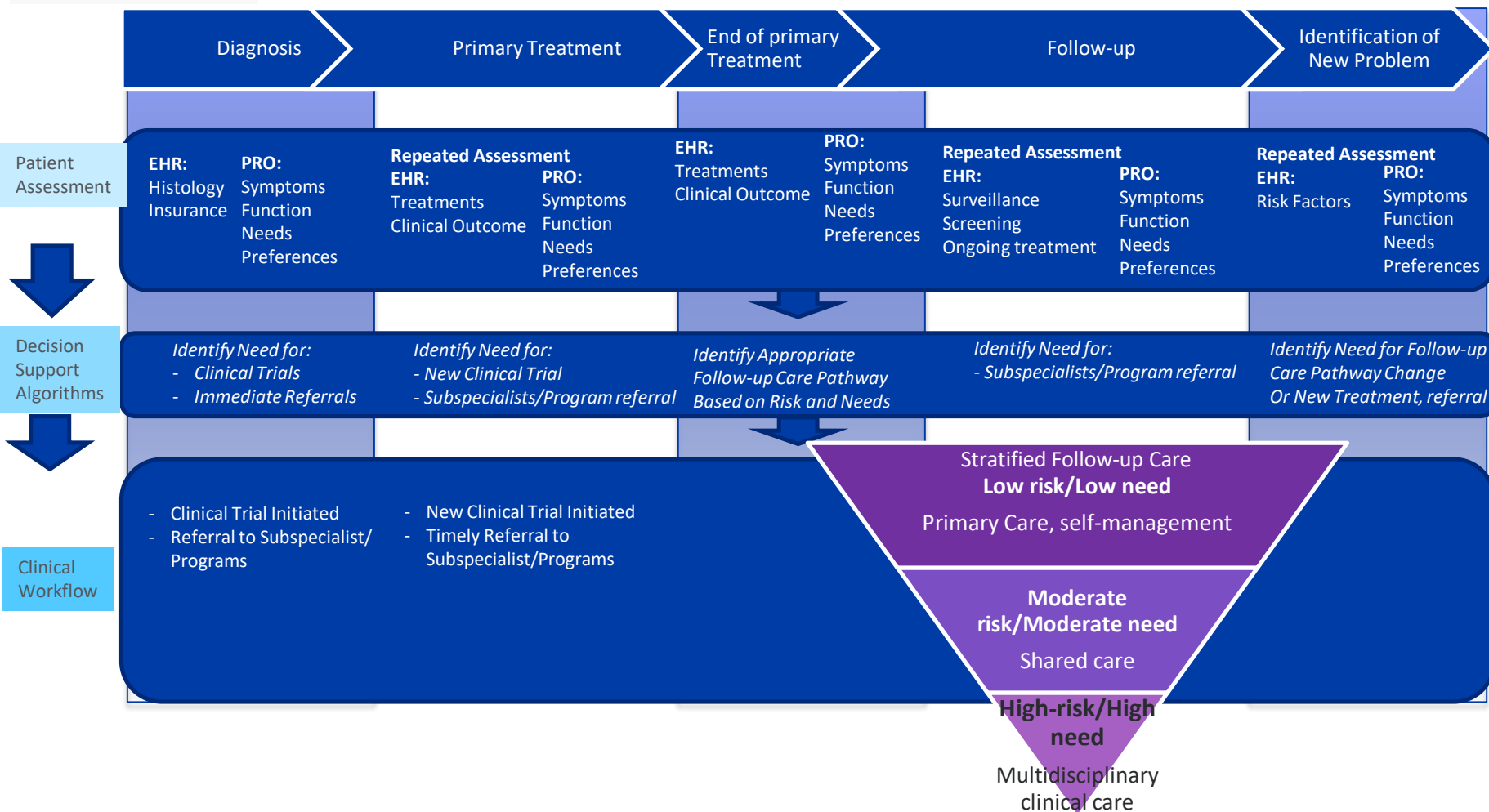
UK Data:



We Need to Integrate Research and Practice into a Learning Healthcare System

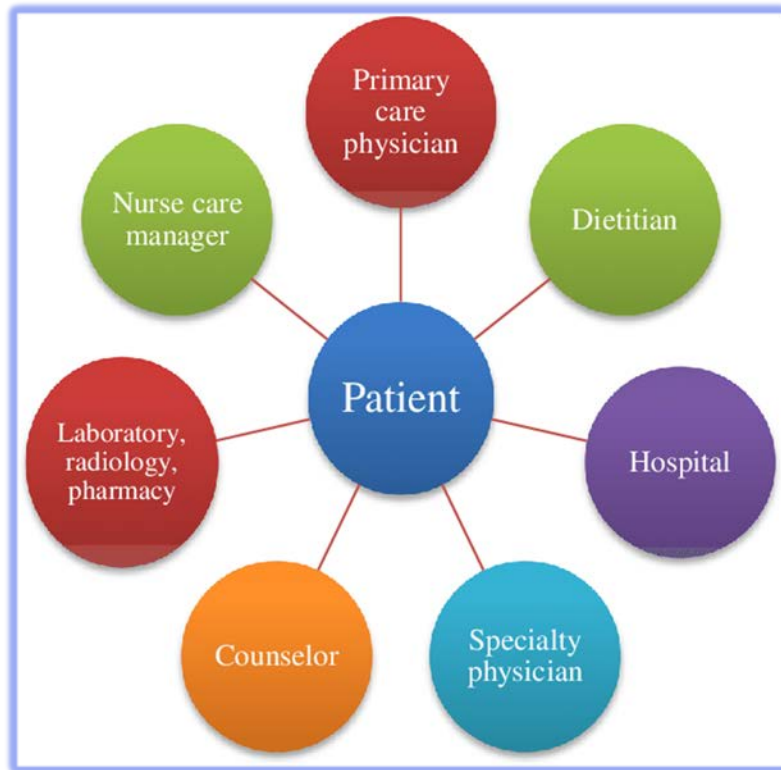


Patients Will Be Followed in a Prospective Surveillance Model



Success Requires a Multi-modal “Team Sport” Partnership Approach

Traditional Model (Patient-Centered Medical Home)



A Better Connected Model



Thank You!

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