



# RETHINKING FOLLOW UP CARE WHILE ADDRESSING BLADDER CANCER SURVIVORS NEEDS

Deborah K. Mayer, PhD, RN, AOCN, FAAN  
Frances Hill Fox Distinguished Professor, School of Nursing  
Director, Cancer Survivorship  
UNC Lineberger Comprehensive Cancer Center  
University of North Carolina  
Chapel Hill, NC 27510

Interim Director of the Office of Cancer Survivorship  
Division of Cancer Control and Population Sciences  
National Cancer Institute

# Disclosures

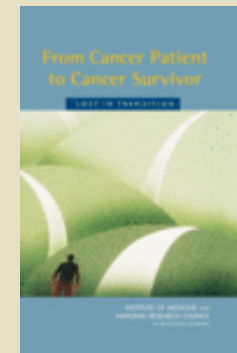
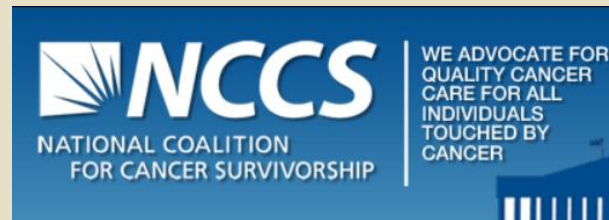
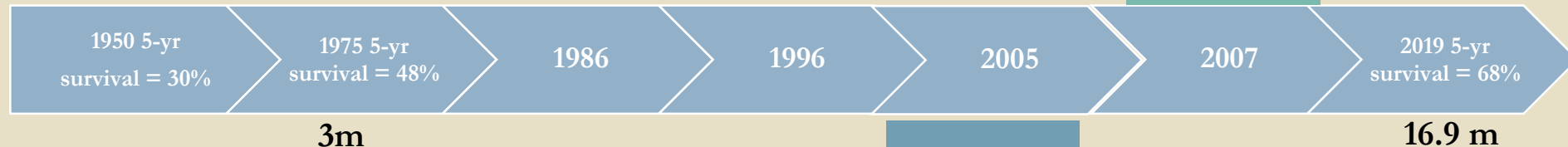
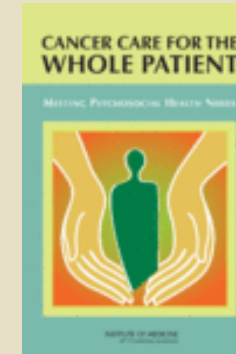
- I am a stockholder and advisor to Carevive Systems
- I will not discuss any drugs during this presentation

# Objectives

- Examine cancer statistics
- Define cancer survivor and survivorship care
- Appraise survivorship issues bladder cancer survivors face
- Reframe follow-up care for bladder cancer survivors
- Describe needed survivorship research

# Survivorship Over Time

“War” → “Competition” → “Journey”



“Good Patient”

“Victims”

“Empowered Patient”

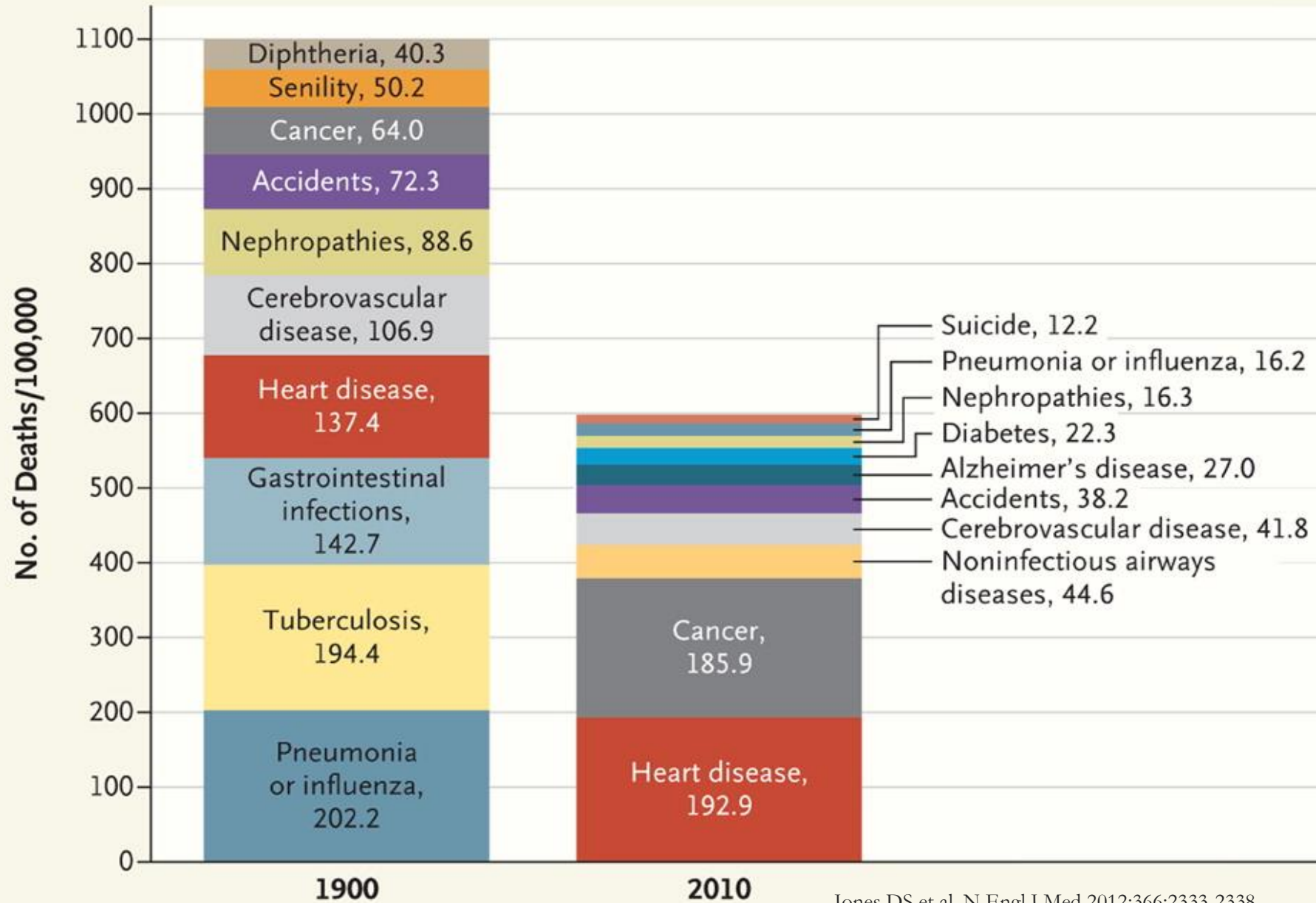
“Survivors”



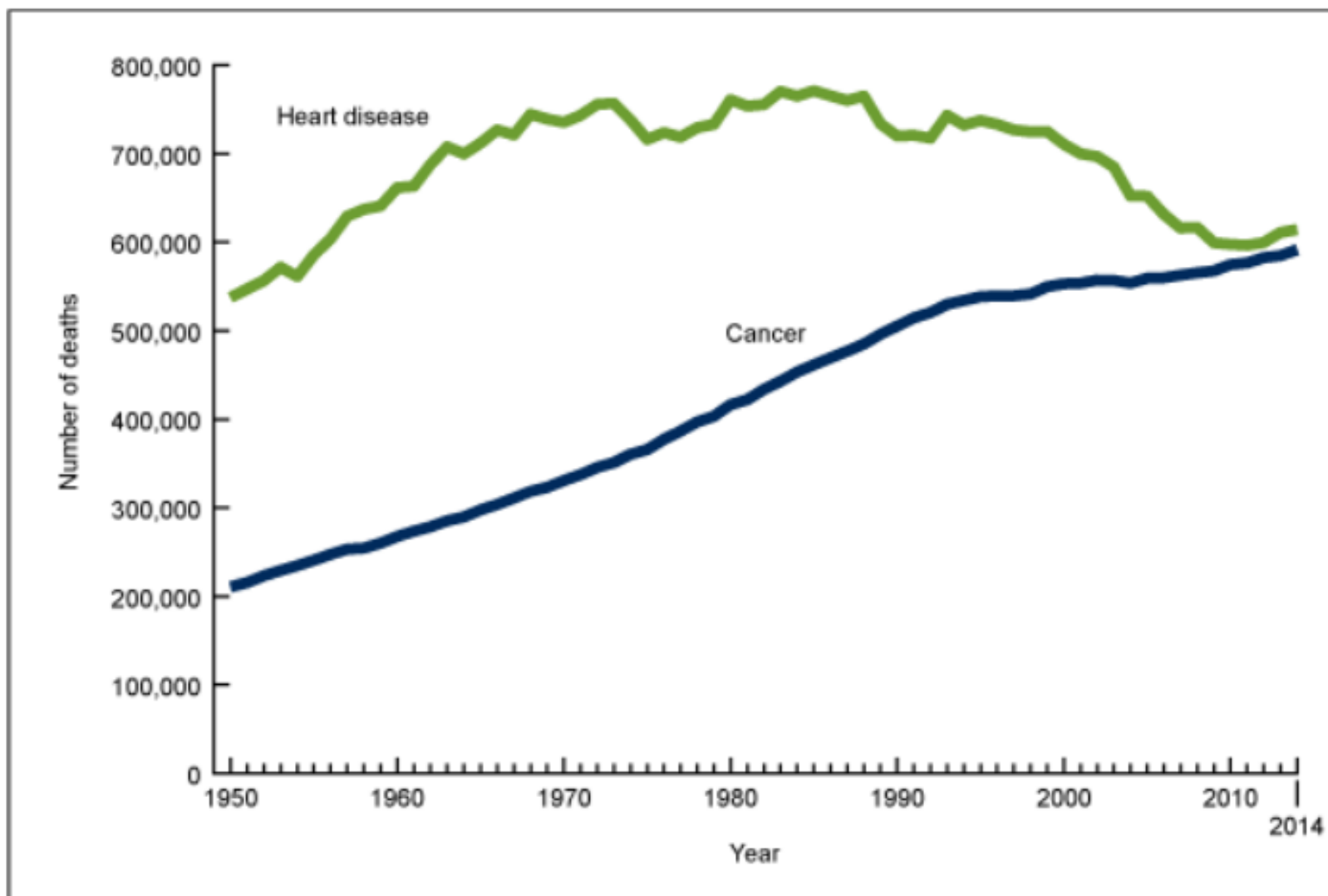
# CANCER IN THE US

**More Than a Statistic**

## Top 10 Causes of Death: 1900 vs. 2010



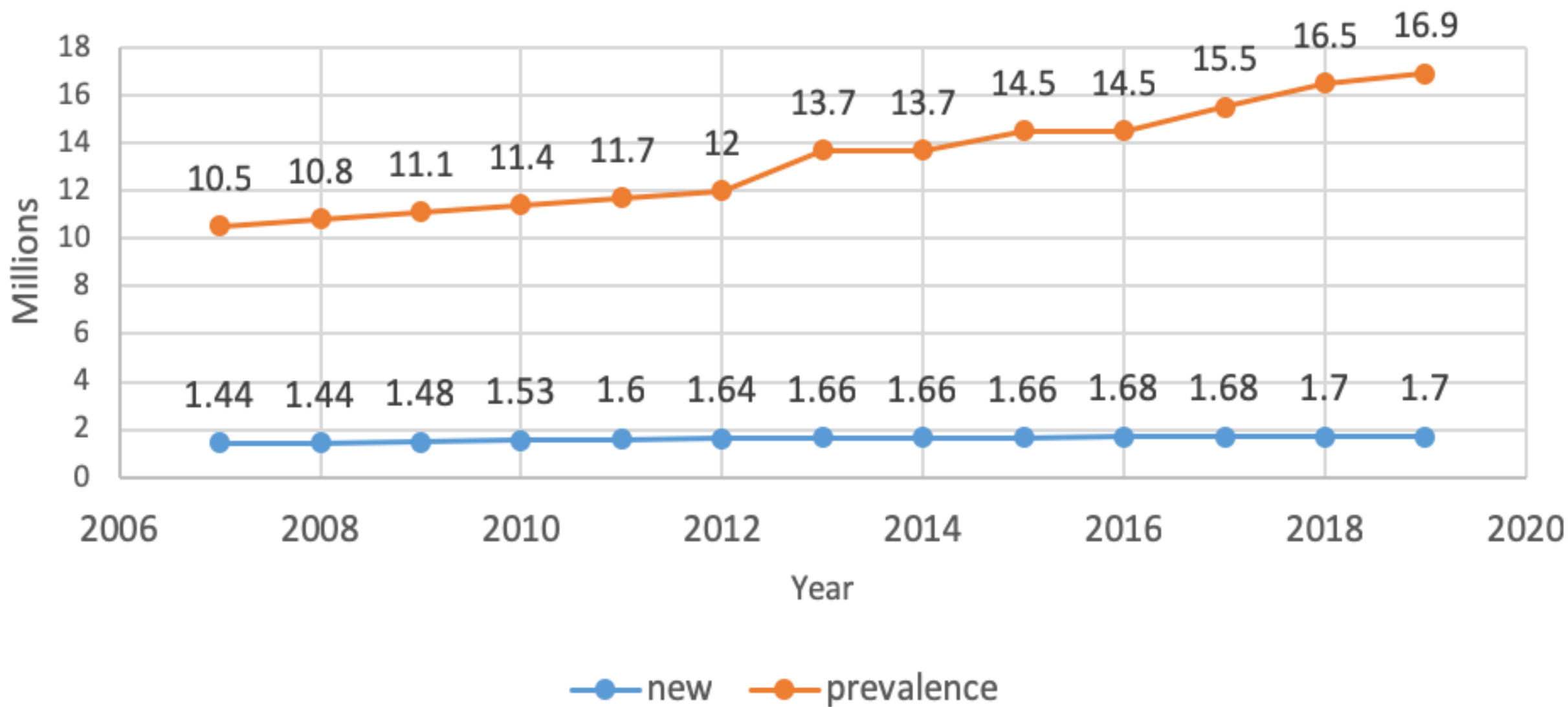
**Figure 1. Number of deaths due to heart disease and cancer: United States, 1950–2014**

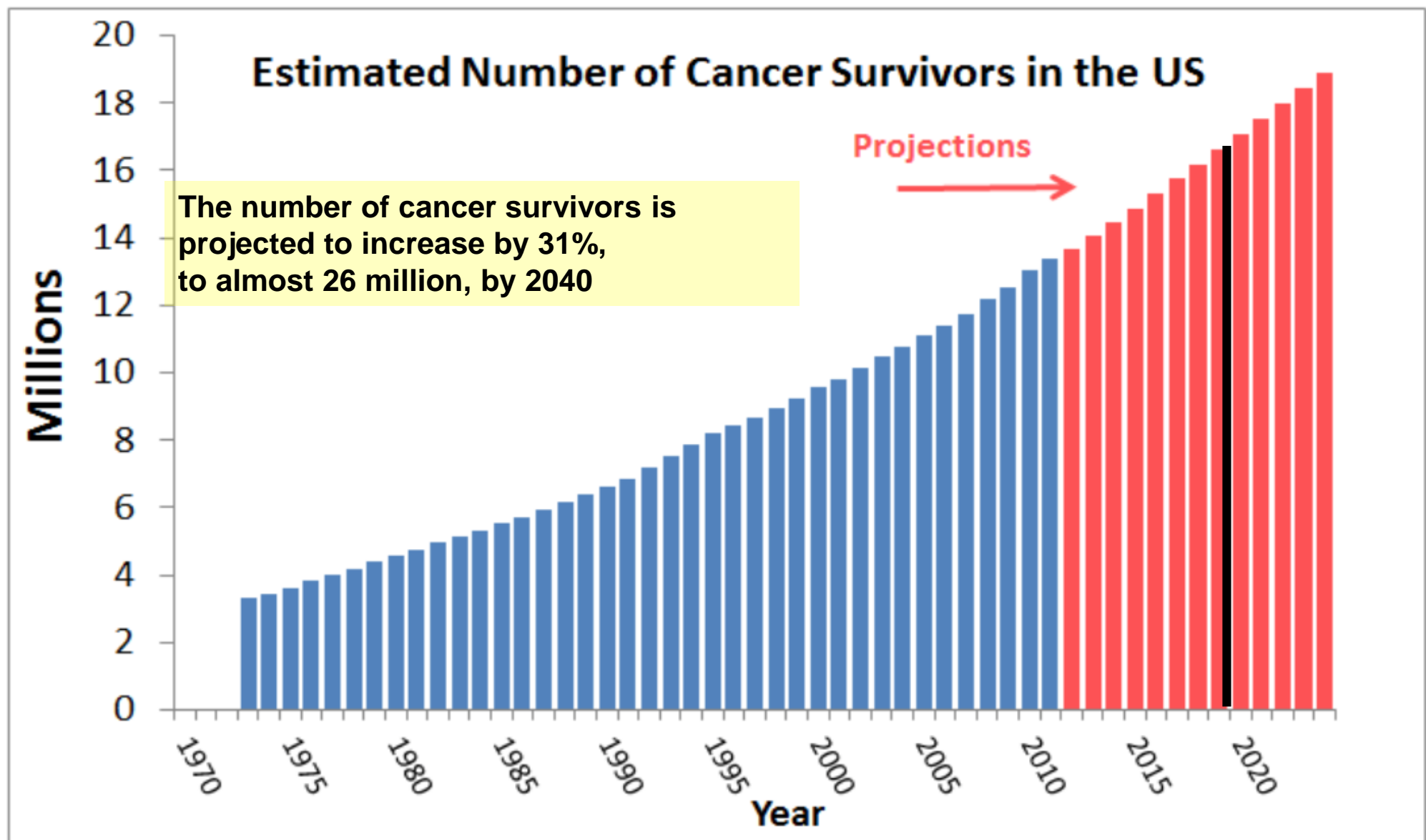


NOTES: Leading cause is based on number of deaths. [Access data table for Figure 1.](#)

SOURCE: NCHS, National Vital Statistics System, Mortality.

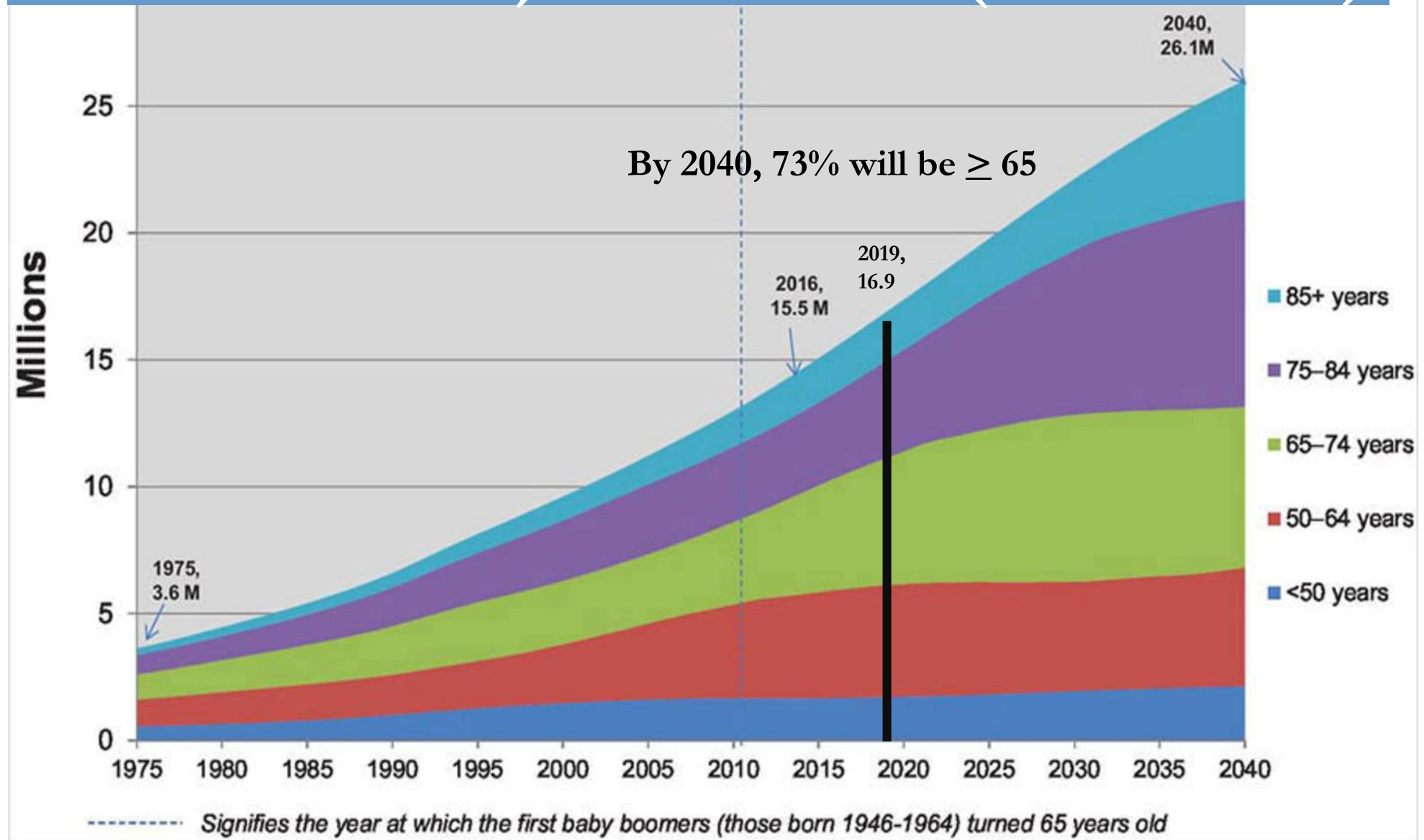
## US Cancer Incidence and Prevalence 2007-2019



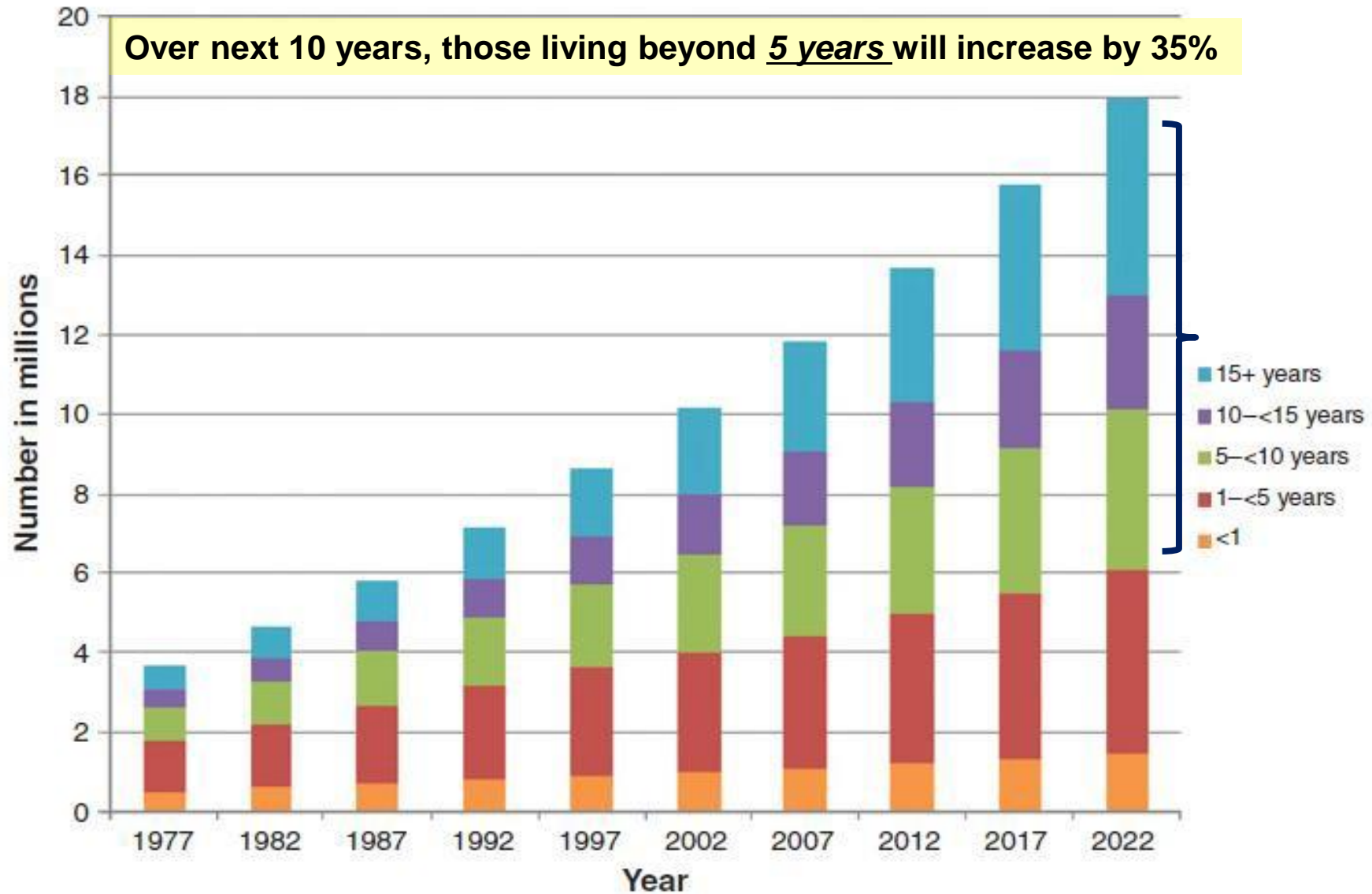


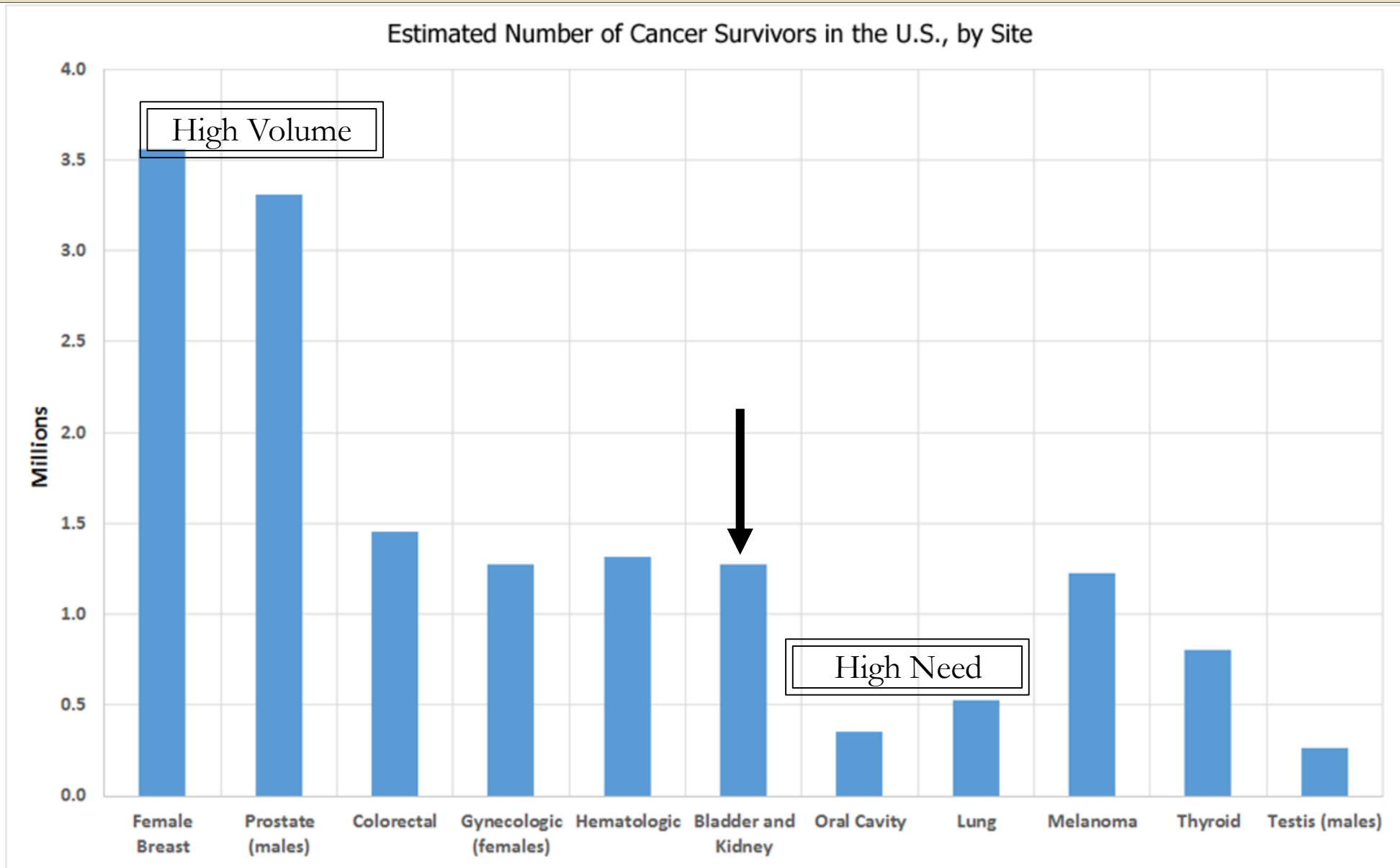
<sup>1</sup> DeSantis C, Chunchieh L, Mariotto AB, et al. (2014). Cancer Treatment and Survivorship Statistics, 2014. CA: A Cancer Journal for Clinicians. In press.

# Survivors Projected in US (1975- 2040)



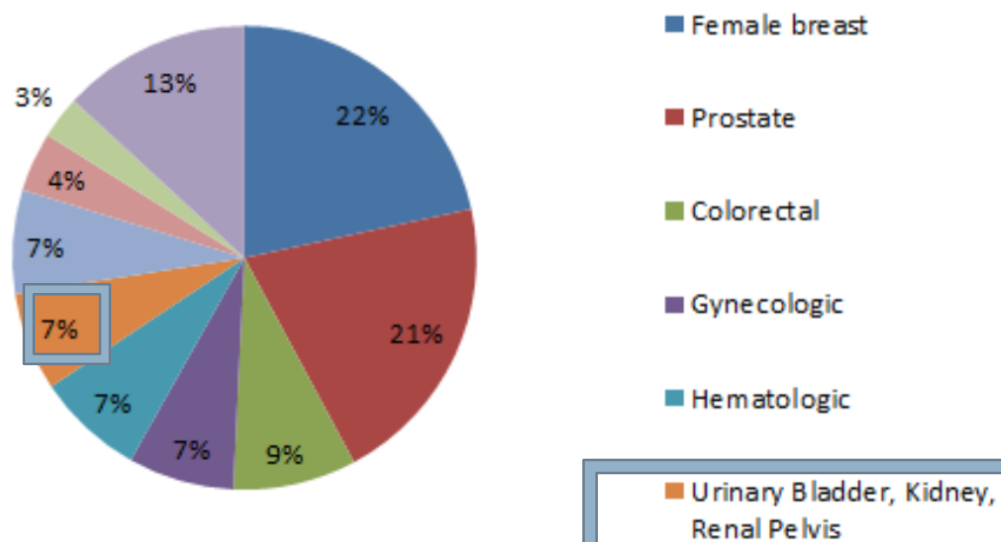
# Survivors Projected in 2022





# Estimated Number of Persons Alive in the U.S. Who Were Diagnosed With Cancer, by Site (as of January 1, 2014)

Total Cancer Survivors, N=14.5M



<sup>1</sup> DeSantis C, Churchieh L, Mariotto AB, et al. (2014). Cancer Treatment and Survivorship Statistics, 2014. CA: A Cancer Journal for Clinicians. In press.

## Bladder Cancer



Statistics at a Glance

### At a Glance

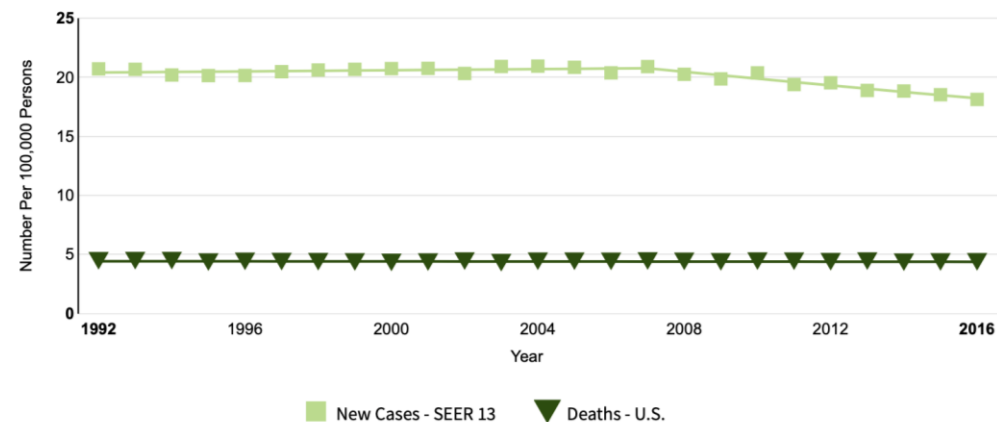
Estimated New Cases in 2019	80,470
% of All New Cancer Cases	4.6%

Estimated Deaths in 2019	17,670
% of All Cancer Deaths	2.9%

Percent Surviving  
5 Years

**77.1%**

2009-2015



## Five-year Relative Survival Rates (%) by Race, 2007-2013

Site	White	Black	Absolute Difference
All Sites	70	63	7
Breast (female)	92	83	9
Colorectum	67	59	8
Esophagus	22	12	10
Non-Hodgkin lymphoma	74	67	7
Oral cavity & pharynx	69	49	20
Ovary	46	39	7
Prostate	>99	97	3
Urinary bladder	79	65	14
Uterine cervix	71	58	13
Uterine corpus	85	65	20

In 2016, there were an estimated 699,450 people living with bladder cancer in the United States.

## Trends in Five-year Relative Survival Rates (%), 1975-2012

Site	1975-1977	1987-1989	2006-2012
All sites	49	55	69
Breast (female)	75	84	91
Colorectum	50	60	66
Leukemia	34	43	63
Lung & bronchus	12	13	19
Melanoma of the skin	82	88	93
Non-Hodgkin lymphoma	47	51	73
Ovary	36	38	46
Pancreas	3	4	9
Prostate	68	83	99
Urinary bladder	72	79	79

5-year relative survival rates based on patients diagnosed in the 9 oldest SEER registries from 1975-1977, 1987-1989, and 2006-2012, all followed through 2013.  
Source: Surveillance, Epidemiology, and End Results (SEER) Program, National Cancer Institute, 2016.



# Defining Survivors and Survivorship

The Face of Cancer

# NCI Survivor and Survivorship Definitions

**Cancer Survivor:** An individual is considered a cancer survivor from the time of diagnosis, through the balance of his or her life. There are many types of survivors, including those living with cancer and those free of cancer. This term is meant to capture a population of those with a history of cancer rather than to provide a label that may or may not resonate with individuals.

—Adapted from the National Coalition for Cancer Survivorship

# Survivorship Defined

- **Living cancer free**

- For remainder of life
- Experiences  $\geq 1$  treatment complication
- But dying after a late recurrence
- But develops another cancer

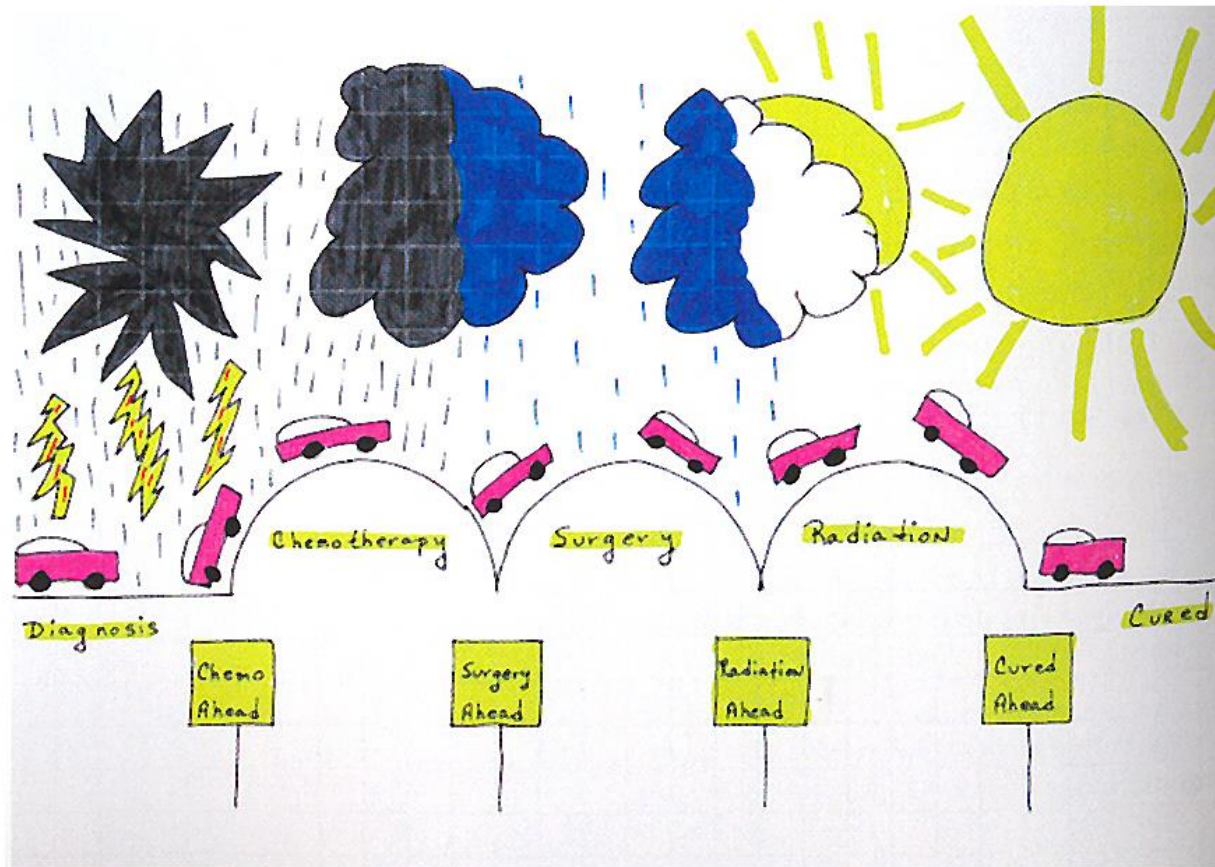
- **Living with cancer**

- Intermittent periods of active disease on/off treatment
- Continuously without disease free period

# Survivorship Definition and Attributes

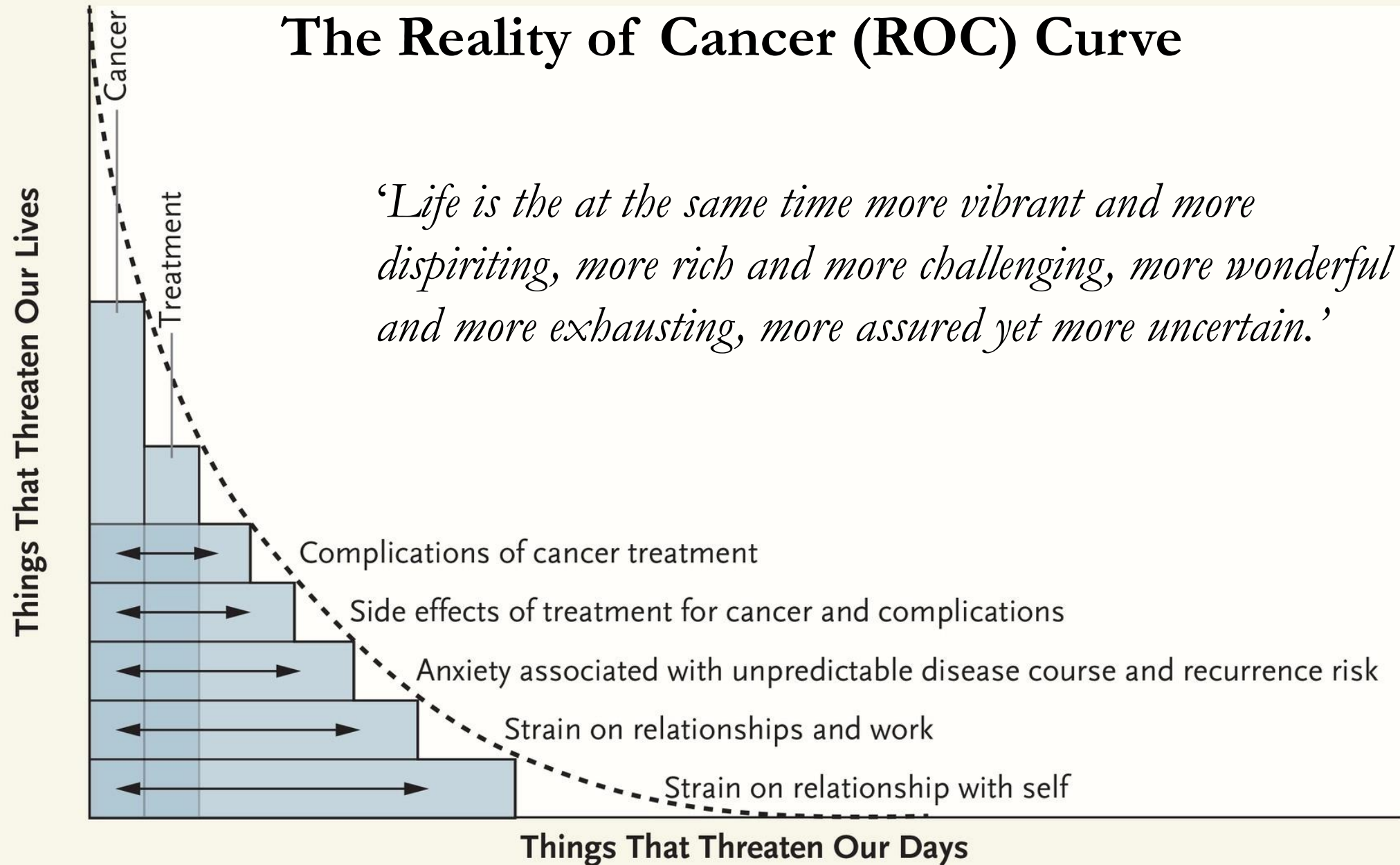
- Defined as those who have lived through a potentially deadly or life altering event.
- It is a dynamic process
- It involves uncertainty
- It is a life changing experience
- It has duality of positive and negative aspects
- It is an individual experience with universality

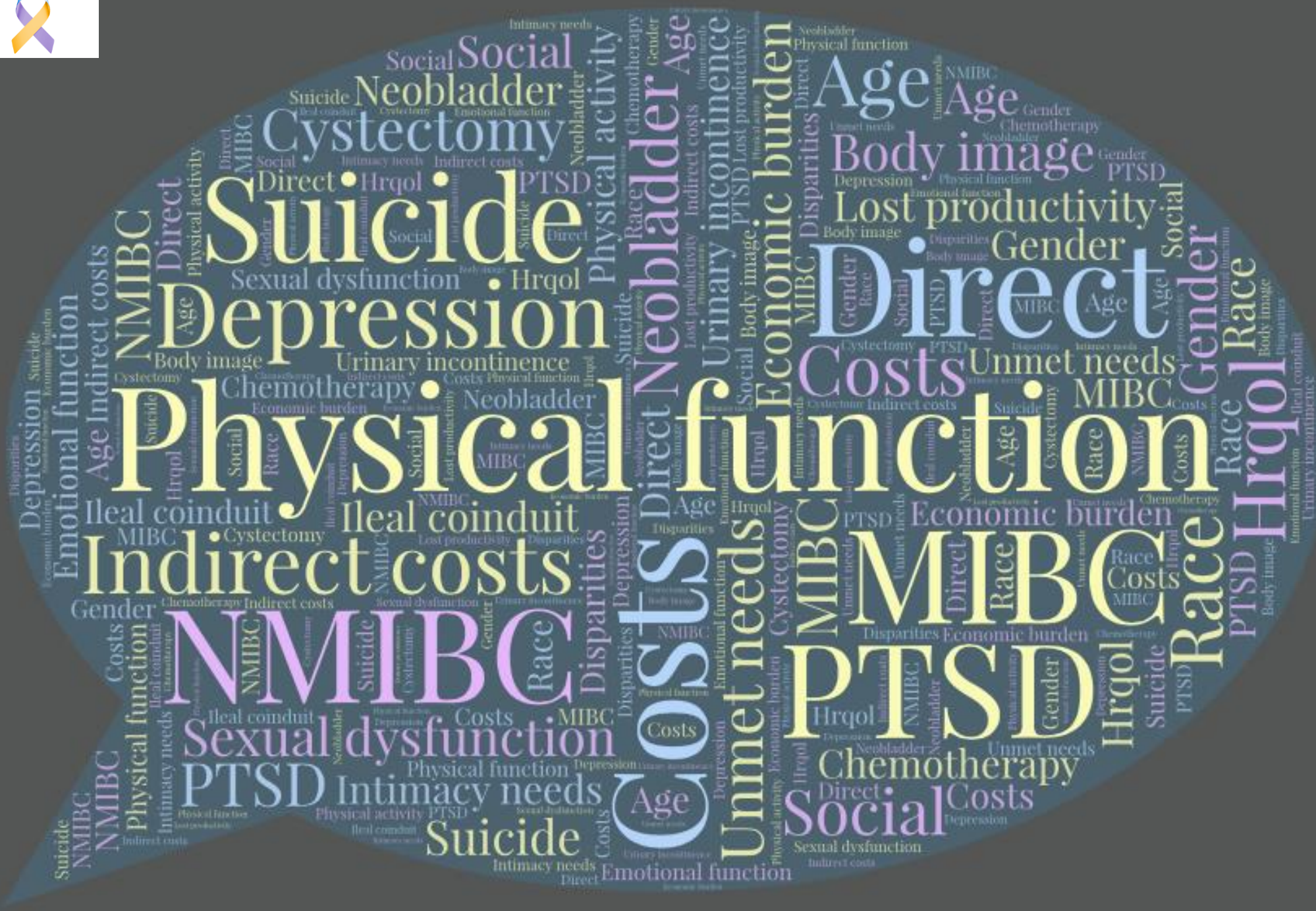
- Berry, LL., Davis, S., Flynn AG, et al. (2019). Is it time to reconsider the term ‘cancer survivor’. *J Psychosocial Oncology*; 37(4):413-426.
- Doyle, N. (2008) Cancer survivorship: evolutionary concept analysis. *J Adv Nursing*, 62(4): 499-509.
- Hebdon, M. (2015). Survivor in the cancer context: a concept analysis. *J Adv Nursing*, 71(8): 1774-1786.
- Marzorati, C., Riva, S., Pravettoni, G. (2017). Who is a cancer survivor? *J Cancer Education*; 32:228-237.
- Peck (2008) Survivorship: A concept analysis. *Nsg. Forum*, 43(2), 91-102.



## BUMPS ON THE ROAD OF LIFE

# The Reality of Cancer (ROC) Curve



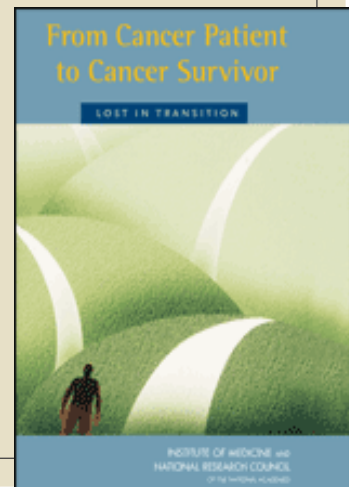


- Bhanvadia. *Curr Urol Rep.* 2018;19(12):111.
- Chung J. *Support Care Cancer.* 2019; Epub
- Edmondson AJ. *J Cancer Surviv.* 2017;11(4):453-461.
- Gopalakrishna A. *Urol Oncol.* 2017;35(9):540.e1-540.e6.
- Jung A. *Cancer Nurs.* 2019;42(3):E21-E33.
- Leal J. *Eur Urol.* 2016;69(3):438-47.
- Mak KS. *Int J Radiat Oncol Biol Phys.* 2016;96(5):1028-1036.
- Mohamed NE. *Urol Oncol.* 2016; 34(12):531.e7-531.e14.
- Mossanen M. *Curr Opin Urol.* 2014;24(5):487-91.
- Paterson C. *Eur J Oncol Nurs.* 2018;35:92-101.
- Sievert KD. *World J Urol.* 2009;27(3):295-300.
- Smith AB. *BJU Int.* 2018;121(4):549-557.
- Svatek RS. *Eur Urol.* 2014;66(2):253-62.
- Taarnhøj GA. *Health Qual Life Outcomes.* 2019;17(1):20.
- Tyson MD. *Urol Clin North Am.* 2018; 45(2):249-256.



# Essential Components of Survivorship Care

- Prevention of recurrent and new cancers and other late effects
- Surveillance for cancer spread, recurrence or new cancers and assessment and mitigation of physical and psychosocial late effects
- Health Promotion
- Coordination between specialists and primary care providers to ensure that the survivors health needs are met



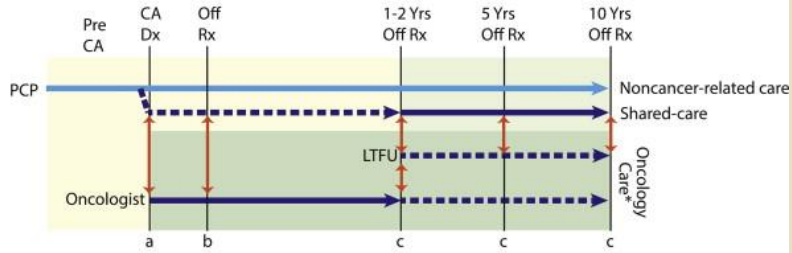
# Adult Follow-up Care Models

- Multidisciplinary
- Disease specific
- Consultative service
- Integrated care model
- Risk-stratified and shared care

## Risk-Stratified Shared Care Model for Cancer Survivors

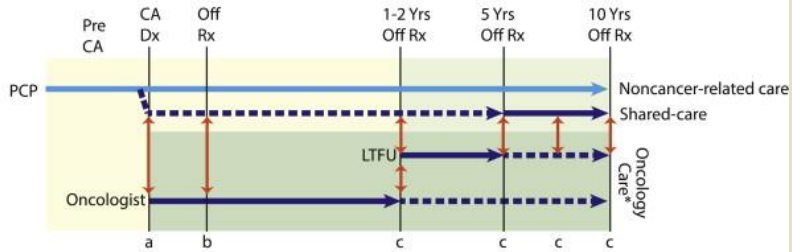
### Low Risk:

- All of the following:
- Surgery only or chemotherapy that did not include alkylating agent, anthracycline, bleomycin, or epipodophyllotoxin
  - No radiation
  - Low risk of recurrence
  - Mild or no persistent toxicity of therapy



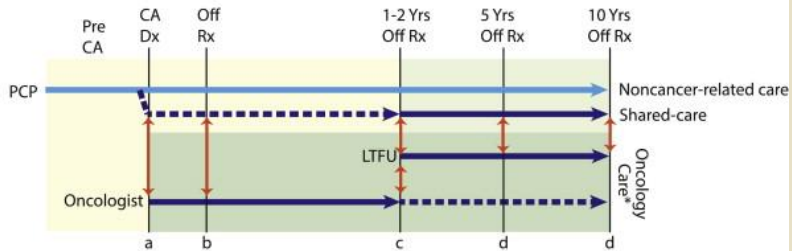
### Moderate Risk:

- Any of the following:
- Low or moderate dose alkylating agent, anthracycline, bleomycin, or epipodophyllotoxin
  - Low to moderate dose radiation
  - Autologous stem cell transplant
  - Moderate risk of recurrence
  - Moderate persistent toxicity of therapy



### High Risk:

- Any of the following:
- High dose alkylating agent, anthracycline, bleomycin, or epipodophyllotoxin
  - High dose radiation
  - Allogeneic stem cell transplant
  - High risk of recurrence
  - Multi-organ persistent toxicity of therapy

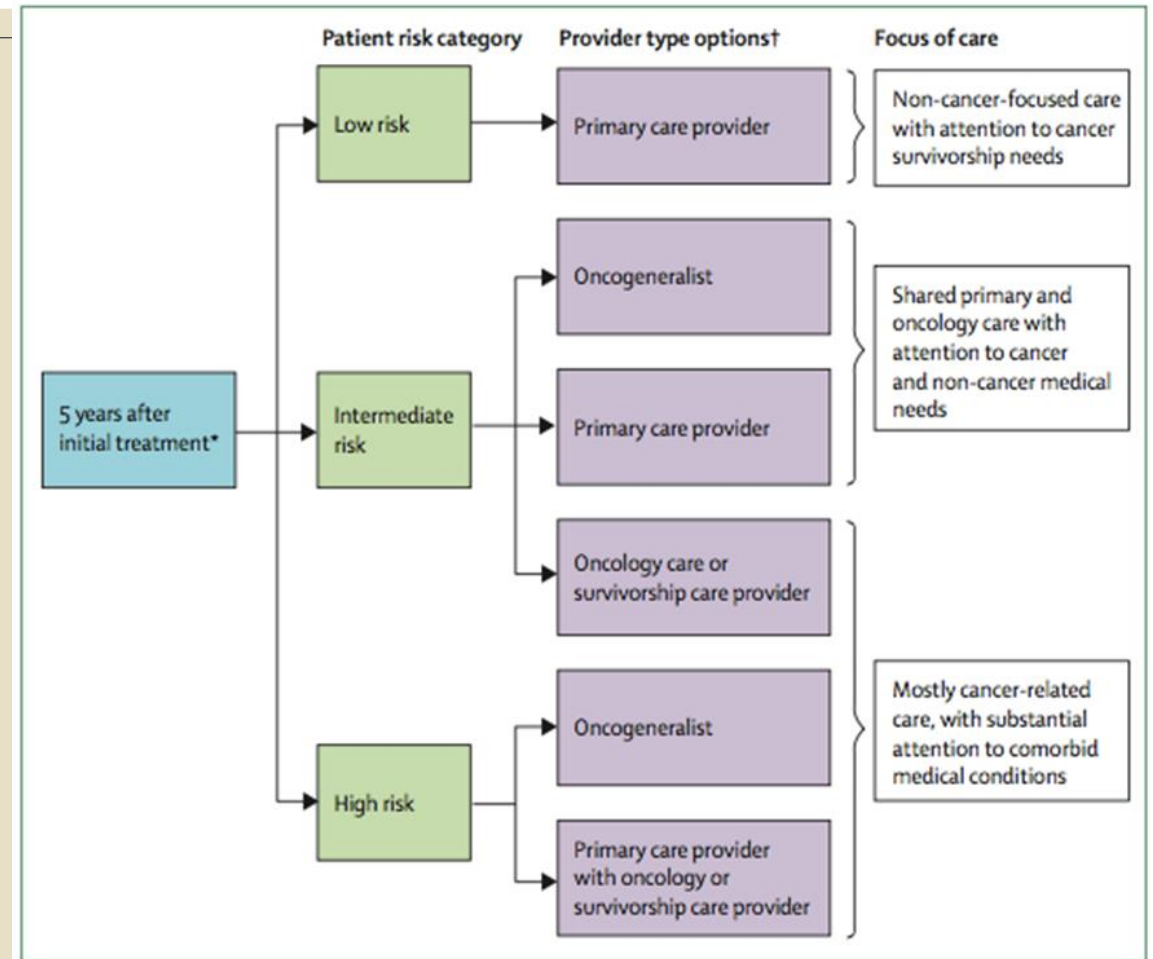


### Communication Points with Primary Care Physician

- a Cancer diagnosis and planned therapeutic approach, brief overview of chemotherapy, radiation therapy and/or surgery.
- b Survivorship Care Plan: cancer diagnosis, cancer therapy, surveillance recommendations, contact information.
- c Periodic update with changes in surveillance recommendations, and new information regarding potential late effects.
- d Periodic update of survivor's health for primary care physician's record.

### Abbreviations:

Ca=cancer; Dx=diagnosis; Off Rx=completion of cancer therapy; PCP=primary care physician; LTFU=long-term follow-up (survivor) program; Onc=oncologist  
 — Primary responsibility for cancer-related care; PCP continues to manage noncancer comorbidities and routine preventive health maintenance.  
 \*Cancer Center or Oncologist/oncology group practice; if there is not an LTFU/Survivor Program available, care in the box is provided by the primary oncologist.



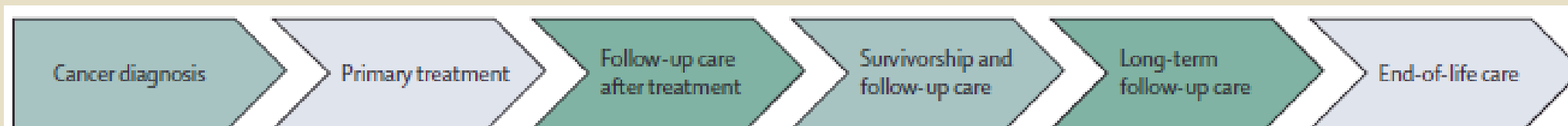
**Figure 2: Survivorship care strategies**

\*5 years is based on general recommendations in the cancer community; transition of care might vary. †Any of these models might be appropriate for nurse practitioner or physician assistant involvement.

McCabe MS, et al. (2013) *Semin Oncol.*, 40:804-12

Nekhlyudov L, O'Malley D., Hudson SV. (2017). *Lancet Oncology*, 18: e30-e38

# Risk Stratified Model National Cancer Survivorship Initiative



**Supported self-management (patients at low risk for developing long-term and late effects of treatment):**

- Patients are given the knowledge and skills to self-manage their care

**Shared care (patients at moderate risk for developing long-term and late effects of treatment):**

- Patients have regular contact with health-care professionals

**Complex case management (patients at high risk for developing long-term and late effects of treatment):**

- Patients need intensive support from health-care services to meet their needs

## Risk Stratified Shared Care Model



**Patients at low risk of developing long-term and late effects of treatment**

All of the following:

- Surgery only
- Non-alkylating chemotherapy
- No radiotherapy
- Low risk of recurrence
- Mild or no persistent toxicity of therapy

**Patients at moderate risk of developing long-term and late effects of treatment**

Any of the following:

- Low or moderate-dose alkylating agent
- Low or moderate-dose radiotherapy
- Autologous stem-cell transplantation
- Moderate risk of recurrence
- Moderate persistent toxicity of treatment

**Patients at high risk of developing long-term and late effects of treatment**

Any of the following:

- High-dose alkylating agent
- High-dose radiotherapy
- Allogeneic stem-cell transplantation
- High risk of recurrence
- Multi-organ persistent toxicity of therapy

Jacobs & Shulman (2017) *Lancet Oncol*; 18: e19-29.



- **Breast 70-80%**
- **Colorectal 50%**
- **Prostate 40-50 %**

<http://www.evidence.nhs.uk/qipp>

**Risk Stratified Model of Care**

**WE ARE  
MACMILLAN.**  
CANCER SUPPORT

**NHS**  
England

# Lessons from Other Countries

- England and Northern Ireland (National Cancer Survivorship Initiative or NCSI)
  - Triage to one of three pathways based on risk of recurrence, subsequent cancers and late effects; severity of ongoing treatment sequelae; functional ability; psychosocial issues; health literacy and ability to self-manage:
    - Supported self-management
    - Shared care with self-management on provider (either PCP or Oncologist)
    - Complex care management
  - 14 sites in England for CRC, breast and prostate cancers
    - 50% CRC, 80% Breast and 50% prostate patients treated with curative intent → supported self-management
    - Projected savings of £90m/5 years with 58% breast patients supported self-management

Figure 1: The Recovery Package



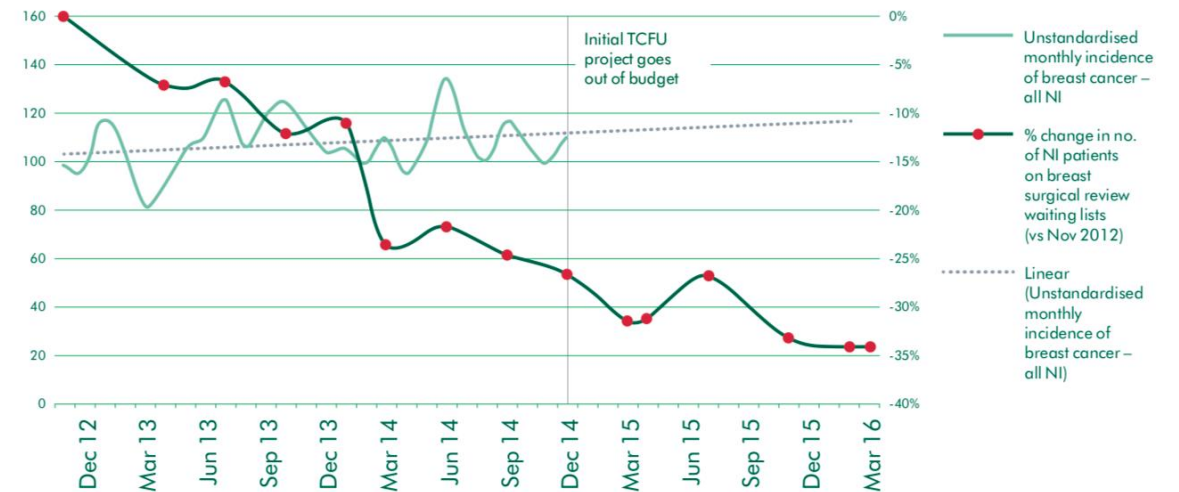
# Sustainable Cancer Redesign

Figure 3: Key breast cancer follow-up findings from the TCFU evaluation

Enhance coordination and integration of care	Improve cancer patients' aftercare experience	Improve resource utilisation
1,000 fewer patients receiving dual speciality follow-up (39% reduction)	Patients satisfied with the timing of appointments: 70%→90%	Release of almost 3,000 review appointments
More patients feeling various aspects of their care were well coordinated: 71%→78%	More patients feeling supported to manage the emotional impacts of their cancer: 44%→67%	2,724 fewer patients on surgical review waiting lists (28% reduction)
	More patients feeling supported to manage the practical impacts of their cancer: 40%→65%	228 fewer patients on oncology review waiting lists (4% reduction)
	More than 1,000 patients had received an HNA	

Adapted from Macmillan Cancer Support and PwC. *Evaluation of the Transforming Cancer Follow-up Programme in Northern Ireland, Final Report*. Available from: <http://www.macmillan.org.uk/documents/aboutus/research/researchandevaluationreports/ourresearchpartners/tcfufinalreportfeb2015.pdf>

Figure 6: % change in breast cancer surgical review waiting lists versus monthly incidence, Nov 12–Mar 16



Source: Monthly incidence figures courtesy of the N. Ireland Cancer Registry. Incidence data are only available to December 2014.

[https://www.macmillan.org.uk/\\_images/sustainable-cancer-service-redesign\\_tcm9-298128.pdf](https://www.macmillan.org.uk/_images/sustainable-cancer-service-redesign_tcm9-298128.pdf)  
<https://www.england.nhs.uk/improvement-hub/wp-content/uploads/sites/44/2017/11/Stratified-Pathways-of-Care.pdf>  
<https://www.nice.org.uk/savingsandproductivityandlocalpracticeresource?id=2632>



**Stratified pathways of care** will be influenced by:

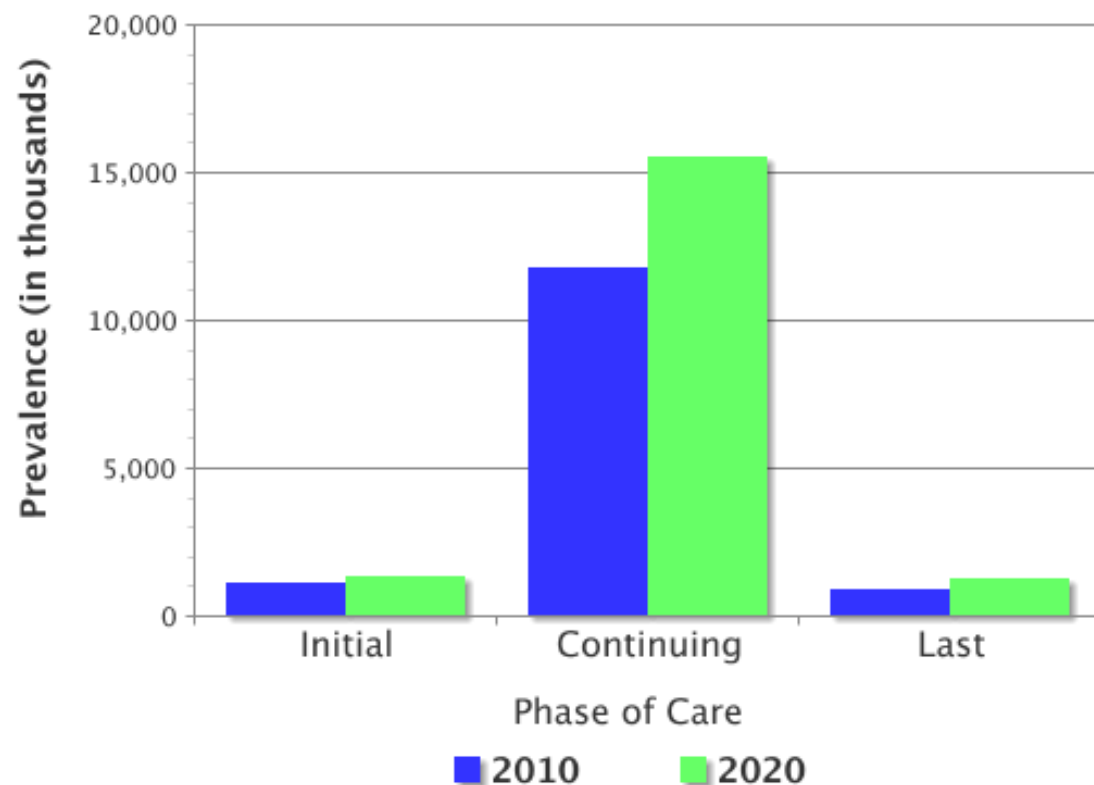
- Assessing the level of risk for disease related comorbidity and recurrence, dependent on the tumour type;
- Short, medium and long-term treatment sequelae;
- Existing comorbidities;
- Survivor ability and motivation to engage and self-manage;
- Level of professional involvement required.

# Principles of Personalized Follow-up Care Pathways

- Triage into care pathways is influenced by more than risk of recurrence, subsequent cancers or late effects.
- Patient-identified issues should guide the delivery of care.
- Remote monitoring should be used to imbed a survivor in a surveillance system to monitor them for the exacerbation of ongoing cancer-related symptoms or functional limitations, and for early recurrence, new cancer, or late effects detection.
- Shifting patients to supported self-management and reducing face-to-face clinic visits is critical for improving clinic utilization and cost outcomes.
- Coordination and information exchange among oncology, primary care, specialists and patients is essential.
- Engaging all stakeholders, securing their buy-in, and using change management and continuous improvement principles are critical for successful follow-up care transformation.

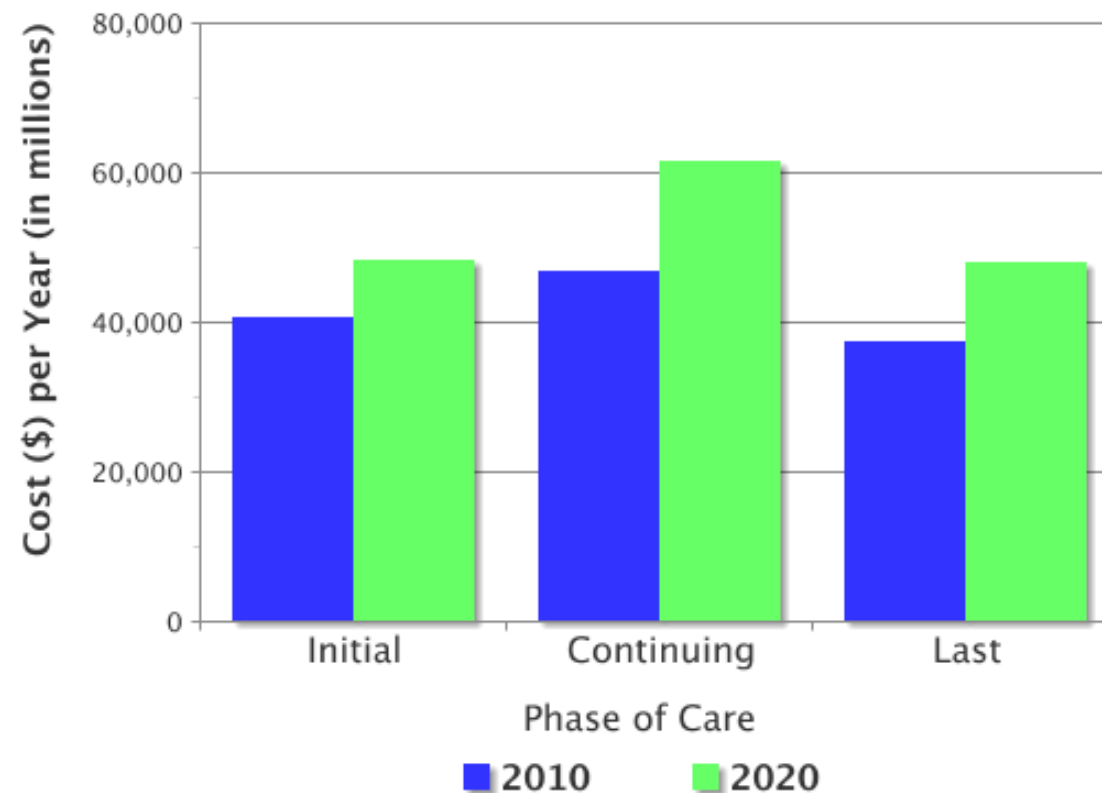
# Continuing Care for Cancer Survivors

Prevalence by Phase of Care, All Sites, All Ages, Male and Female, in 2010 Dollars



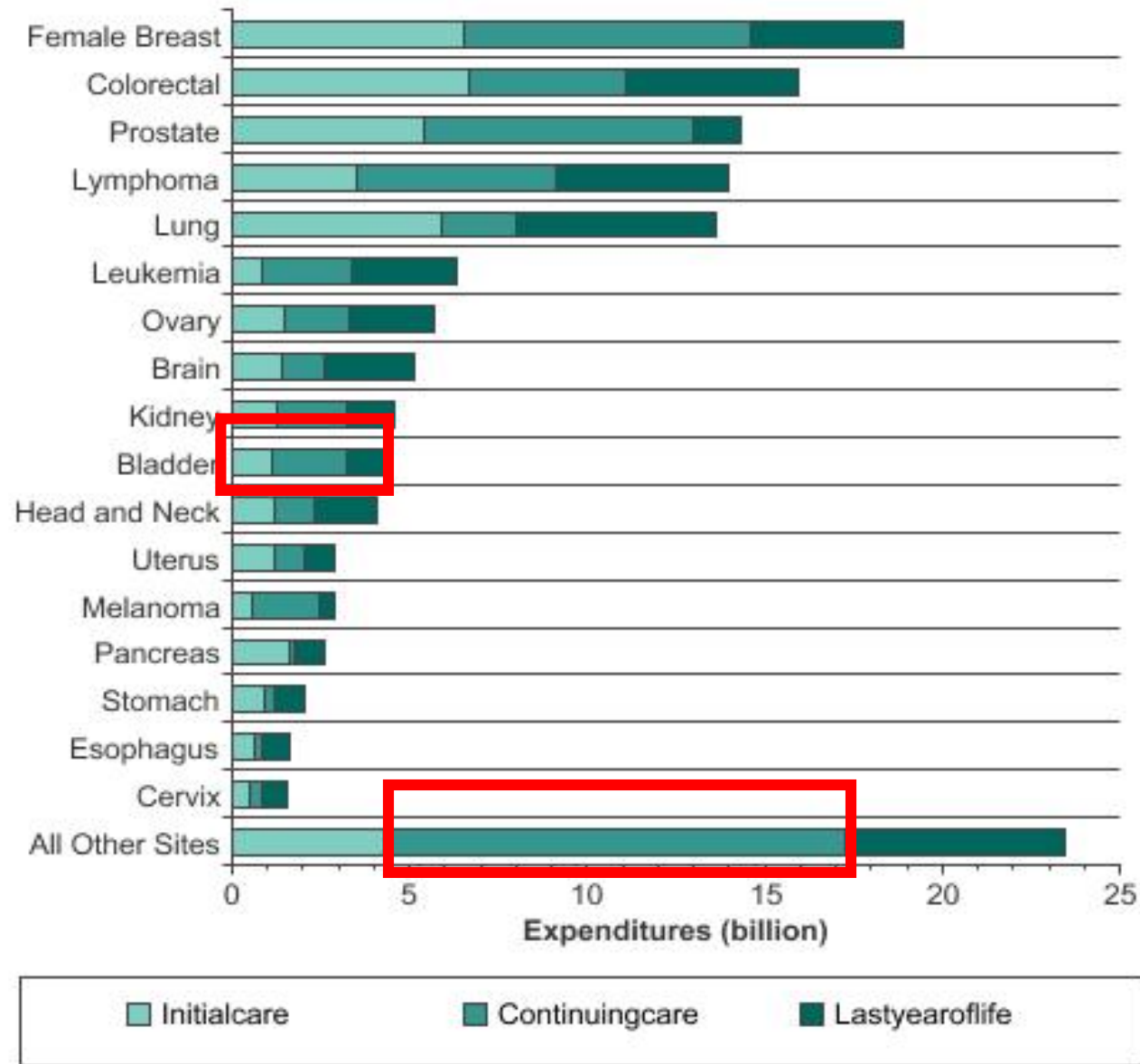
Assumptions:  
Incidence - Constant (2003 - 05 average rate)  
Survival - Constant (2005 rate)  
Source: <https://costprojections.cancer.gov>

National Costs of Cancer Care by Phase of Care, All Sites, All Ages, Male and Female, in 2010 Dollars



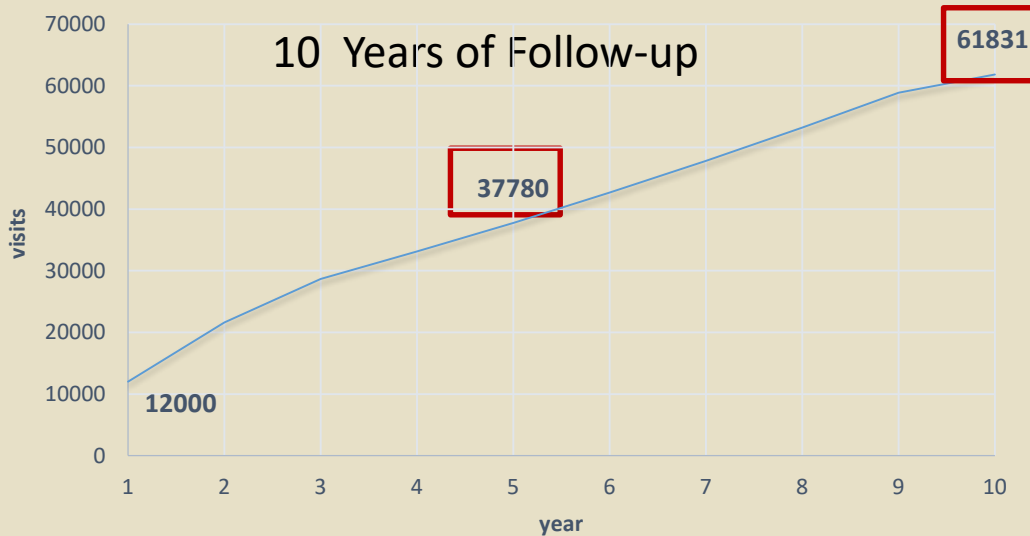
Assumptions:  
Incidence - Constant (2003 - 05 average rate)  
Survival - Constant (2005 rate)  
Cost Increase - 0% per year  
Source: <https://costprojections.cancer.gov>

# Estimates Of National Expenditures For Cancer Care, By Site





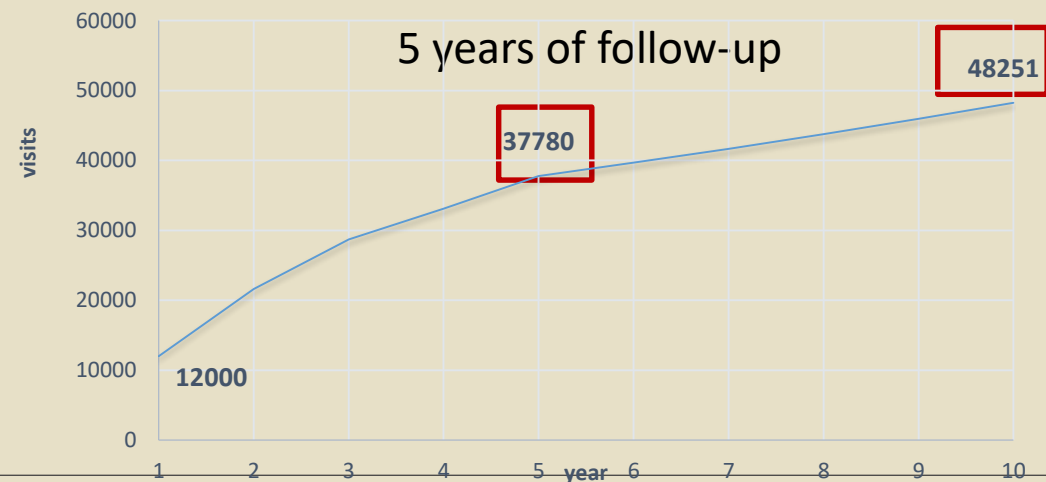
# UNC Follow-up Visits



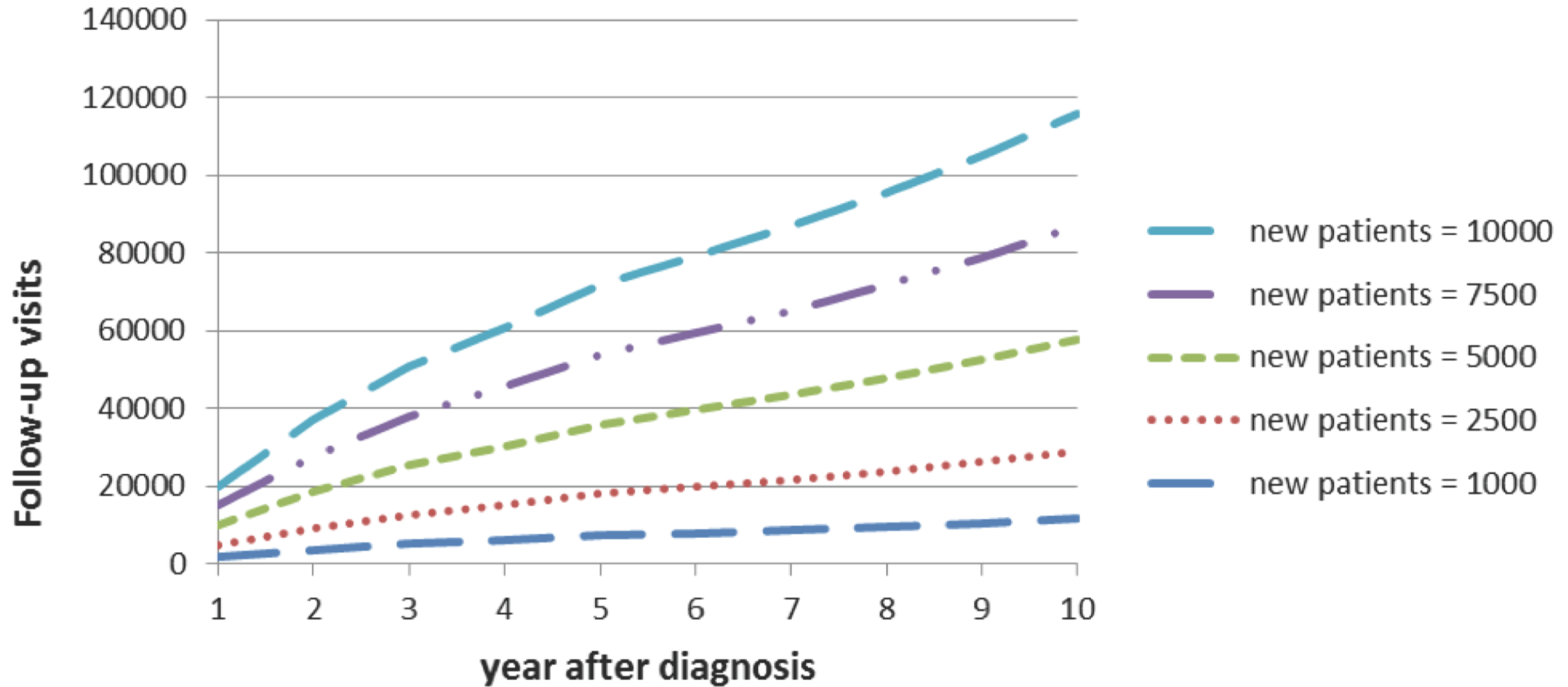
Total Visits						
	Fiscal Year 2016		Fiscal Year 2017		Fiscal Year 2018	
	New	Return	New	Return	New	Return
Total New/Return	13005	59820	13683	66800	14561	84260
Total Encounters	72825 (82%)		80483 (83%)		84260 (83%)	

## Assumptions:

- 5% new cases/year
- **50%** of all new cases will be followed long term.
- Follow-up begins year 2 with 4 visits, year 3=3 visits, year 4=2 visits, year 5-10=1 visit or 0 visits



# Follow-Up Visit Growth by New Cancer Cases/Year



Follow-up of 50% of new cases starting year 2 after diagnosis with 4 visits year 2, 3 visits year 3, 2 visits year 4 and annually thereafter.

# The experiences of cancer survivors while transitioning from tertiary to primary care

B.B. Franco,\* L. Dharmakulaseelan,\* A. McAndrew BA RAP,\* S. Bae MPH,\* M.C. Cheung MD MSc,\*<sup>a</sup> and S. Singh MD MPH\*<sup>a</sup>

## ABSTRACT

**Purpose** In current fiscally constrained health care systems, the transition of cancer survivors to primary care from tertiary care settings is becoming more common and necessary. The purpose of our study was to explore the experiences of survivors who are transitioning from tertiary to primary care.

**Methods** One focus group and ten individual telephone interviews were conducted. Data saturation was reached with 13 participants. All sessions were audio-recorded, transcribed verbatim, and analyzed using a qualitative descriptive approach.

**Results** Eight categories relating to the main content category of transition readiness were identified in the analysis. Several factors affected participant transition readiness: how the transition was introduced, perceived continuity of care, support from health care providers, clarity of the timeline throughout the transition, and desire for a "roadmap." Although all participants spoke about the effect of their relationships with health care providers (tertiary, transition, and primary care), their relationship with the primary care provider had the most influence on their transition readiness.

**Conclusions** Our study provided insights into survivor experiences during the transition to primary care. Transition readiness of survivors is affected by many factors, with their relationship with the primary care provider being particularly influential. Understanding transition readiness from the survivor perspective could prove useful in ensuring patient-centred care as transitions from tertiary to primary care become commonplace.

**Key Words** Primary care, transitions in care, patient-centred care, qualitative research, survivors

*Curr Oncol.* 2016 Dec;23(6):378-385

[www.current-oncology.com](http://www.current-oncology.com)

## Transition readiness

Introduction of transition

Continuity of care

Support from care providers

Timeline

"Roadmap"

Relationship with primary care physician

Relationship with Transition Care Clinic

Relationship with oncologist

# Actions *Oncology Clinicians* Can Pursue Now

- Clearly communicate to patients from the time of diagnosis that they will be expected to continue to be followed by their primary care provider and likely will transition back to predominately primary care after treatments ends.
- Examine current patient rosters, clinic utilization patterns, and new patient visit slots → consider how shifting care of low-risk/low-need survivors to primary care or advanced practice practitioners would affect these factors.

# Actions *Oncology Clinicians* Can Pursue Now

- Reinforce expectations about follow-up by ongoing communication throughout cancer treatment.
- Shift follow-up appointments for patients off treatment so they are clustered.
- Support patients who are doing well in self-managing their health.
- Build bridges with primary care.

# Challenge



Reorganize your follow-up of patients off treatment to their own follow-up clinics → first integrate and then move fully to APP → transition to PCP over time.



Get your institution to provide the numbers of follow-up visits by time since diagnosis.



Identify PCP interested in taking care of survivors in your area.



Discuss long-term plans of care with new patients throughout their care.



# Survivorship Research

Picking up my pieces

# NCI Survivorship Research Definitions

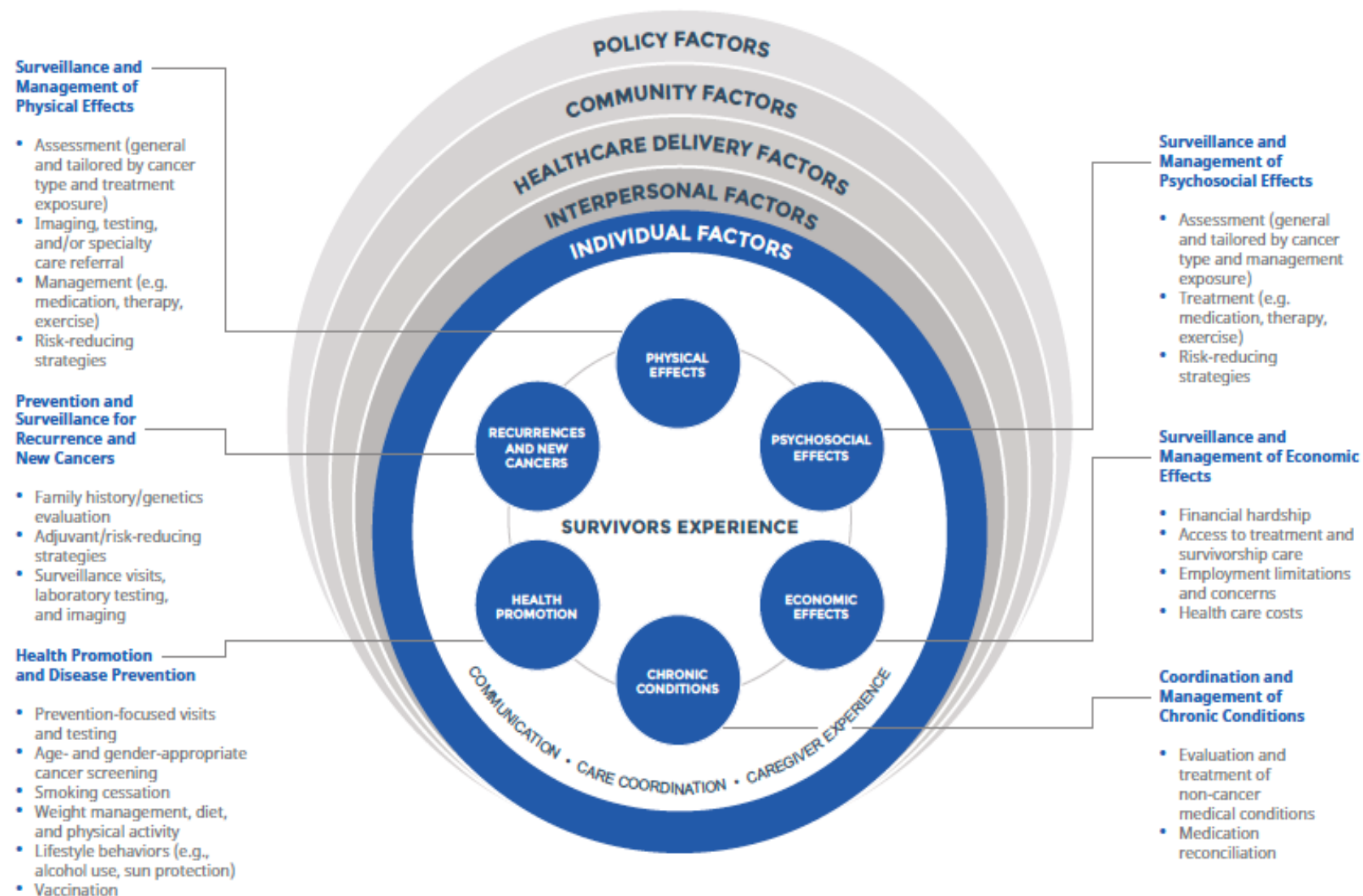
**Cancer Survivorship Research:** *Cancer survivorship research seeks to improve the health and well-being of cancer survivors and caregivers providing care to survivors.*

It aims to improve understanding of the sequelae of cancer and its treatment and to identify methods to prevent and mitigate adverse outcomes, including functional, physical, psychosocial, and economic effects.

This research also includes and informs the design, delivery, and implementation of evidence-based strategies and the coordination of healthcare services to optimize survivors' health and quality of life from the time of diagnosis through the remainder of the survivor's life.

Any cancer survivorship research should clearly identify the type of survivor being studied (e.g. age, type and stage of cancer, time since diagnosis) and the outcomes of the research (e.g. function, quality of life, health care utilization, costs, survival).

## Cancer Survivorship Research



# NIH Survivorship Research Portfolio Analysis (2016)

Review of 165 eligible grants:

- 88.5% were funded by the National Cancer Institute followed by NINR, NIH OD, and NIA
- 85.6% of NCI studies funded by DCCPS
- 66.7% were investigator-initiated (R01) mechanism
- 84.2% focused on adult survivors
- 47.3% focused on breast cancer survivors
- 64.2% focused on <2 years since diagnosis
- 57.3% were observational in nature (57.3%)
- 4.8% older adults and 3% rural populations
- Topics included:
  - 75.8% physiologic outcomes
  - 37.6% psychosocial outcomes
  - 35.7% health behaviors
  - 35.7% patterns of care
  - economic/employment outcomes



REVIEW

## Survivorship Science at the NIH: Lessons Learned From Grants Funded in Fiscal Year 2016

Julia H. Rowland, Lisa Gallicchio, Michelle Mollica, Nicole Saiontz, Angela L. Falisi, Gina Tesaro

*JNCI J Natl Cancer Inst* (2019) 111(2): djy208

doi: 10.1093/jnci/djy208  
Review

# NIH Survivorship Research Portfolio Analysis (2016)

## Research recommendations:

- Increase diversity of cancer sites
- Greater ethnoculturally diverse samples
- More older (>65 years) and longer-term (>5 years) survivors
- Need to address effects of newer therapies



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Review

REVIEW

## Survivorship Science at the NIH: Lessons Learned From Grants Funded in Fiscal Year 2016

Julia H. Rowland, Lisa Gallicchio, Michelle Mollica, Nicole Saiontz, Angela L. Falisi,  
Gina Tesaro

# NCI Future Directions in Cancer Survivorship Research: Workshop priorities and Webinar endorsements

- Identify and present the research gaps in the recommended components of survivorship care and important next steps that were identified at a recent NCI meeting; and
- Gather feedback on the identified strategic research priorities (SA-SD).

# Survivorship Research Priorities

## Prevention and Surveillance

(87% Agree)

- Surveillance schedules
  - Testing optimal frequency, risks and benefits and bundled screening
  - Evidence-based guidelines consistent across organizations
- Reducing disparities among different populations
- Adding longer surveillance for existing, relevant clinical trials
- Enhancing SEER, State Registries and National Cancer Databases

## Physical Late/Long-term

(91% Agree)

- Measurement of symptoms, functional impairments, comorbid conditions and needs as core measures by disease
- Profiles of natural history of late/long-term effects in prevalent cancers
- Frame intervention development using chronic disease model (CDM) as it is multilevel and is patient and family focused at its core and spans risk reduction, rehabilitation and self-management support

# Survivorship Research Priorities

## Psychosocial Late/Long-term (89% Agree)

- Implementation of psychosocial interventions in real-world settings (e.g. community oncology, primary care) → integration of psychosocial services into existing community systems.
- Prevention and mitigation strategies that include risk-stratification

## Health Behaviors (87% Agree )

- Mechanisms and biomarkers for health behaviors
- Integration of exiting and emerging technologies for health promotion in cancer survivorship care
- Multi-level research studies addressing health behaviors in cancer survivors

# Survivorship Research Priorities

## Care Coordination

86% Agree

- Identify key outcomes to assess quality care coordination
- What are optimal models to promote risk-based care coordination?
  - What are key strategies to support vulnerable populations?
- How to engage IT in care coordination

## Economic

90% Agree

- Longitudinal studies to understand risk factors for financial hardship, employment limitations and other economic effects.
- Studies to understand the impact of financial hardship, employment limitations and other economic effects on functioning, clinical outcomes, quality of life and healthcare utilization.
- Conduct new interventions to address economic effects and leveraging implementation science to ensure effective interventions are disseminated.
- Leverage data infrastructure, linkages, and methods
- Leverage technology to collect data and deliver interventions.

# Conclusions

- **Current cancer care can not be sustained**
- More survivorship research to help prevent or mitigate long term and late effects
- There is no one solution to address this issue but all require culture change in cancer care delivery.
- Projections for staff and facilities must go beyond # new cases and beyond the next 1-2 years.
- *Shifting model for follow-up survivorship care is part of the solution but needs to be based on risk stratification, collaboration between PCP and Oncologists, team based care, and supported self-management.*
- Multiple strategies need to be tested.
- We need to develop *and implement* a range of evidence-based programs that do not require 1:1 face-to-face interventions.

# Additional References

- Alfano CM, Leach CR, Smith TG, Miller KD, Alcaraz KI, Cannady RS, Wender RC, Brawley OW. (2019). Equitably improving outcomes for cancer survivors and supporting caregivers: A blueprint for care delivery, research, education, and policy. *CA Cancer J Clin.*;69(1):35-49.
- Alfano, CM, Mayer, DK, Bhatia, S, Maher, J, Scott, JM, Nekhlyudov, Merrill, JK, Henderson, TO.(2019). Implementing personalized pathways for cancer follow-up care in the United States: Proceedings from an American Cancer Society-American Society of Clinical Oncology Summit. *CA Cancer J Clin*; 0:1-14.
- Alfano, CM, Jefford, M, Maher, J, Birken, SA, Mayer, DK. (2019). Building Personalized Cancer Follow-up Care Pathways in the US: Lessons Learned from Implementation in England, Northern Ireland, and Australia. ASCO Education Book, in press.
- Dentzer, S. (ed). (2018). Health Care Without Walls: A Roadmap for Reinventing US Health Care. Boston, MA: Network for Excellence in Health Innovation (NEHI)
- Mayer, DK, Alfano, CM (2019). Personalized Risk-Stratified Cancer Follow-Up Care: Its Potential for Healthier Survivors, Happier Clinicians, and Lower Costs. *J Natl Cancer Inst.* 2019 Feb 6. [Epub ahead of print]



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