



Guiding Cancer Control: A Path to Transformation

Advancing Team-Based, Coordinated Care Across the Life Course

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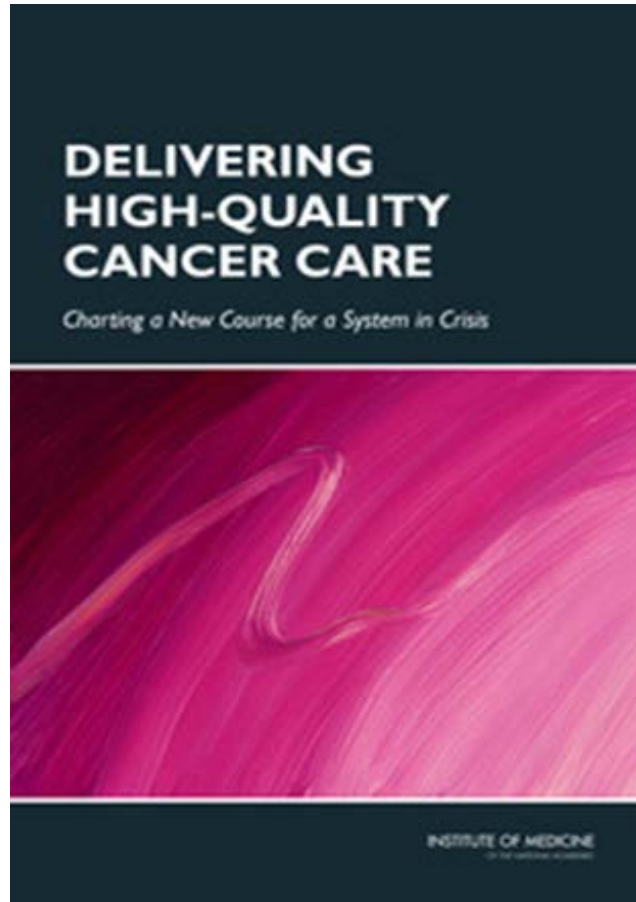
NASEM RECOMMENDATIONS

- Improve, where feasible, effective, and affordable, the availability of preventive, screening, diagnostic, and therapeutic interventions. Encourage timely palliative care, hospice care, survivorship services, and related social services according to the preferences and values of patients and their families.
- Integrate the use of social, behavioral, and other information made possible by the convergence of communication, social media, cognitive, financial, and sensor technologies as well as electronic health records, cancer registries, and insurance claims to establish large-scale interoperable data sources.

WHY

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Current State of Cancer Care



IOM Report, 2013

“System in Crisis”

- Increasing complexity
- Workforce shortages
- Rising cost of care
- Need for teams and teamwork

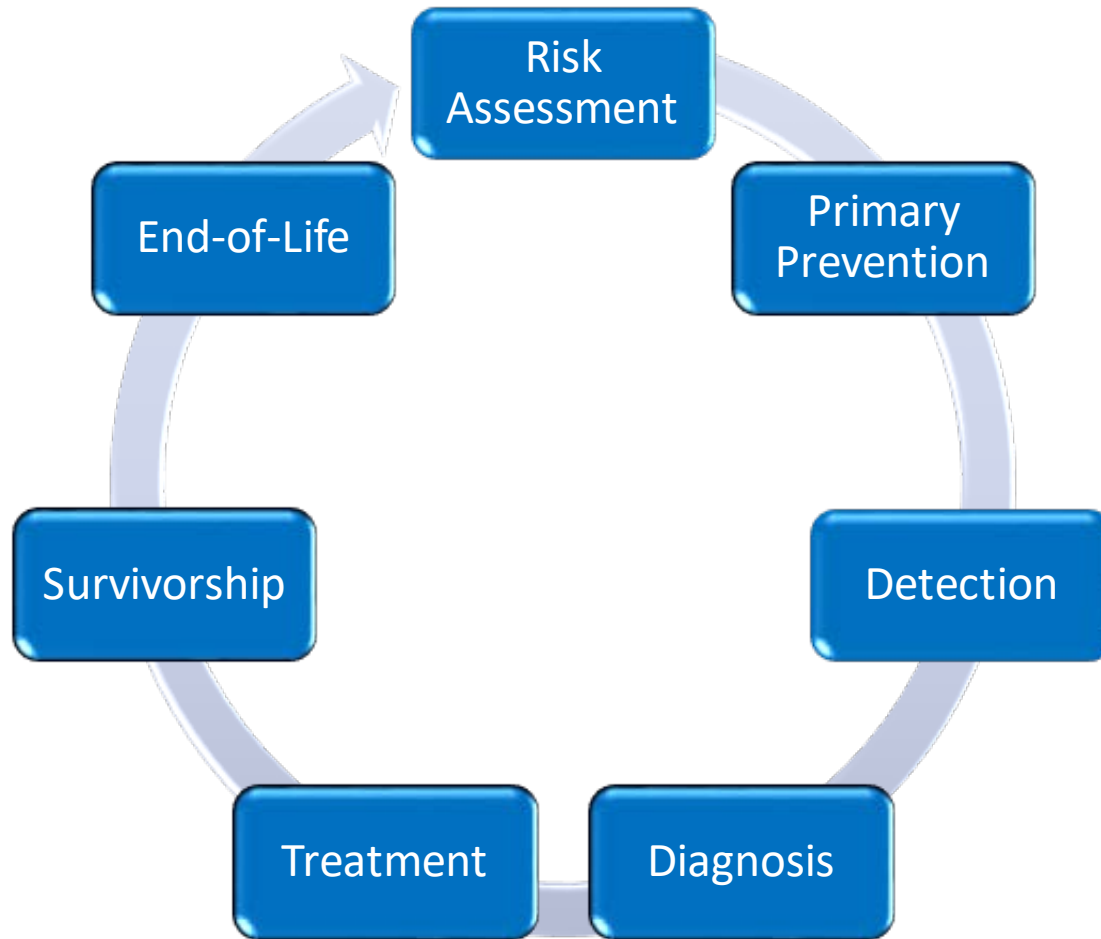
Delivering High-Quality Cancer Care: Charting a New Course for a System in Crisis.
Washington (DC): National Academies Press (US); 2013 Dec 27.

Burnout and Career Satisfaction Among US Oncologists

Characteristic	All (N = 1,117)		AP (n = 377)		PP (n = 482)		P
	No.	%	No.	%	No.	%	
Burnout indices*							
Emotional exhaustion†							
Median	22		22		24		.0895
Low score	433	40.1	146	39.0	157	33.0	.1798
Intermediate score	233	21.6	78	20.9	113	23.7	
High score	413	38.3	150	40.1	206	43.3	
Depersonalization†							
Median	5		5		6		.0124
Low score	558	52.3	191	51.3	220	46.1	.0165
Intermediate score	243	22.8	99	26.6	110	23.1	
High score	265	24.9	82	22.0	147	30.8	
Personal accomplishment							
Median	42		41		42		.0415
High score	660	63.0	225	61.0	304	64.0	.3109
Intermediate score	249	23.8	89	24.1	117	24.6	
Low score‡	138	13.2	55	14.9	54	11.4	
Burned out§	484	44.7	172	45.9	241	50.5	.1769
Career satisfaction							
Would become physician again (career choice)	908	82.5	328	87.5	378	79.2	.0016
Would become oncologist again (specialty choice)	877	80.5	314	85.1	368	77.5	.0053

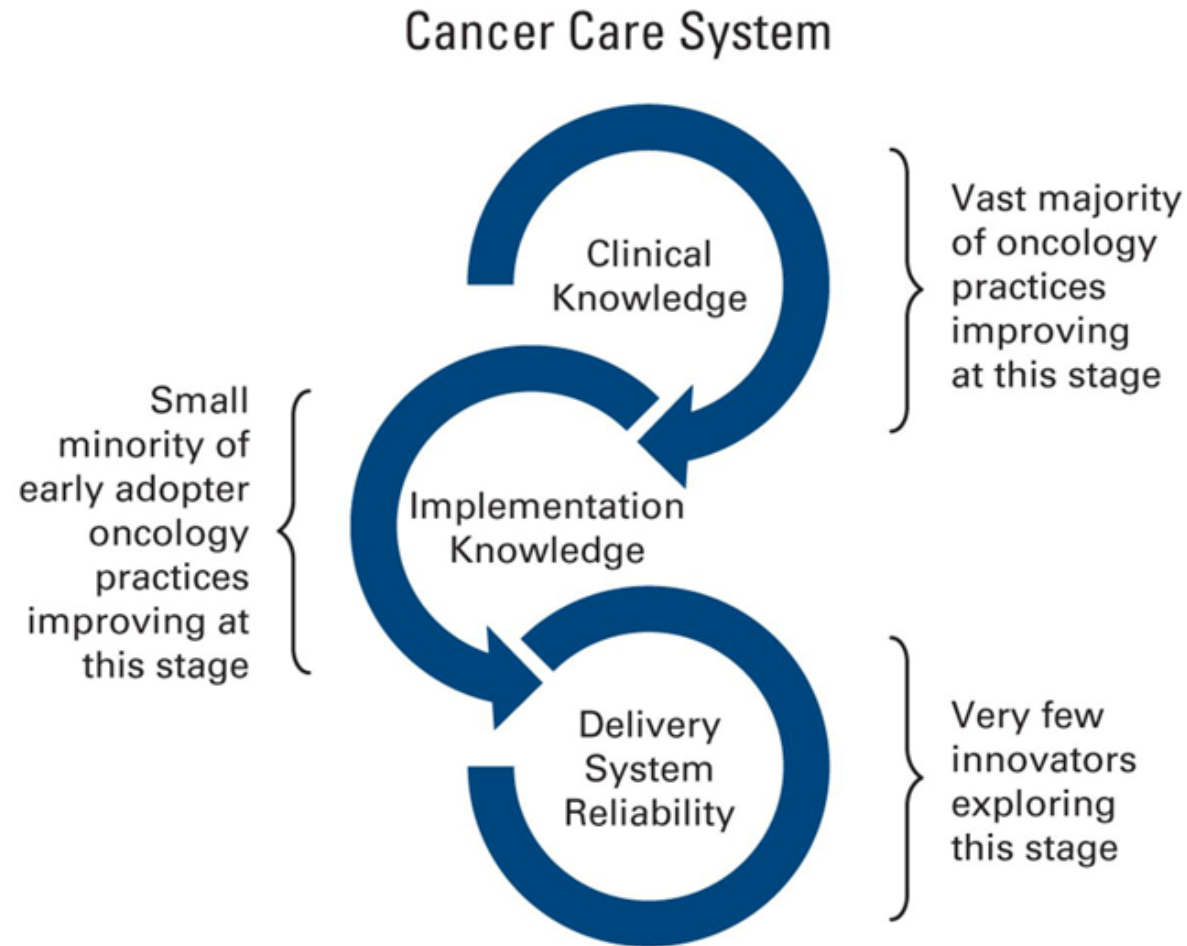
Abbreviations: AP, academic practice; MBI, Maslach Burnout Inventory; PP, private practice.
 *As assessed using the full MBI.

Continuum of Cancer Care



- Gaps in quality care can occur at each phase of the care continuum.
- Lack of coordination is associated with poor symptom control, medical errors, and higher costs.

Stages of Cancer Care Improvement

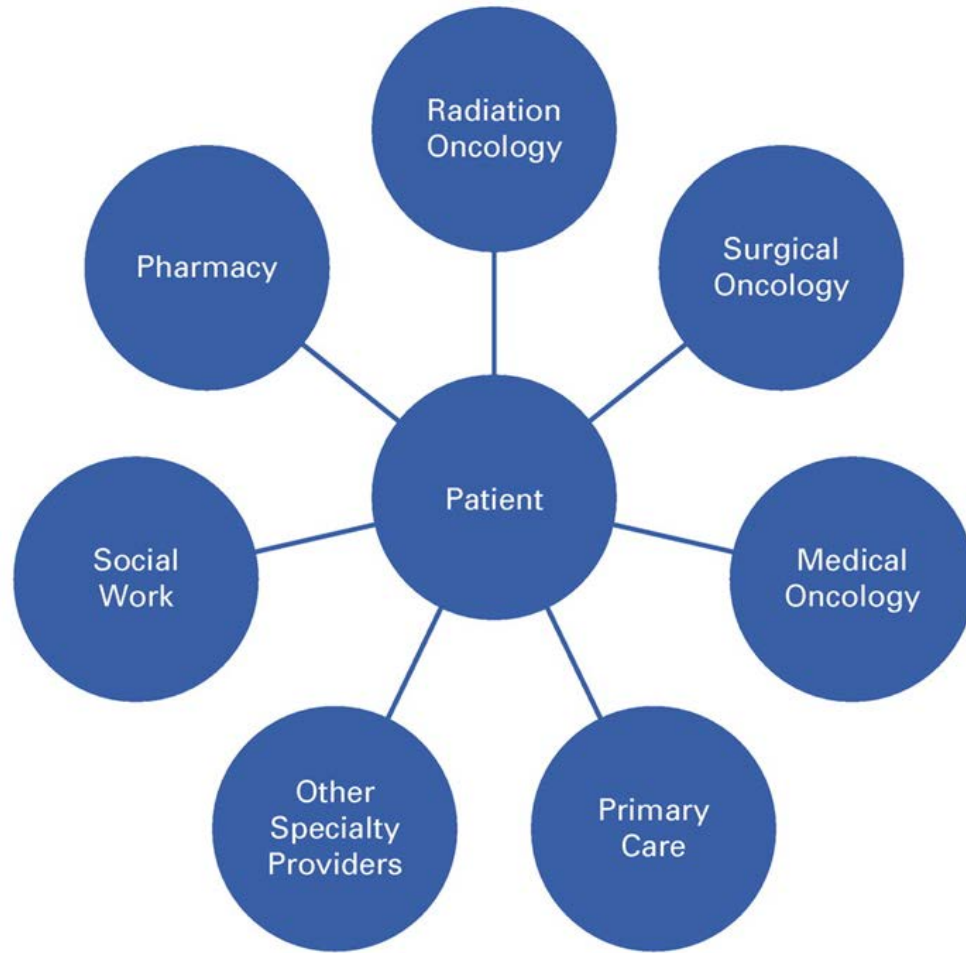


McNiff, Jacobson, JOP 2014

WHAT

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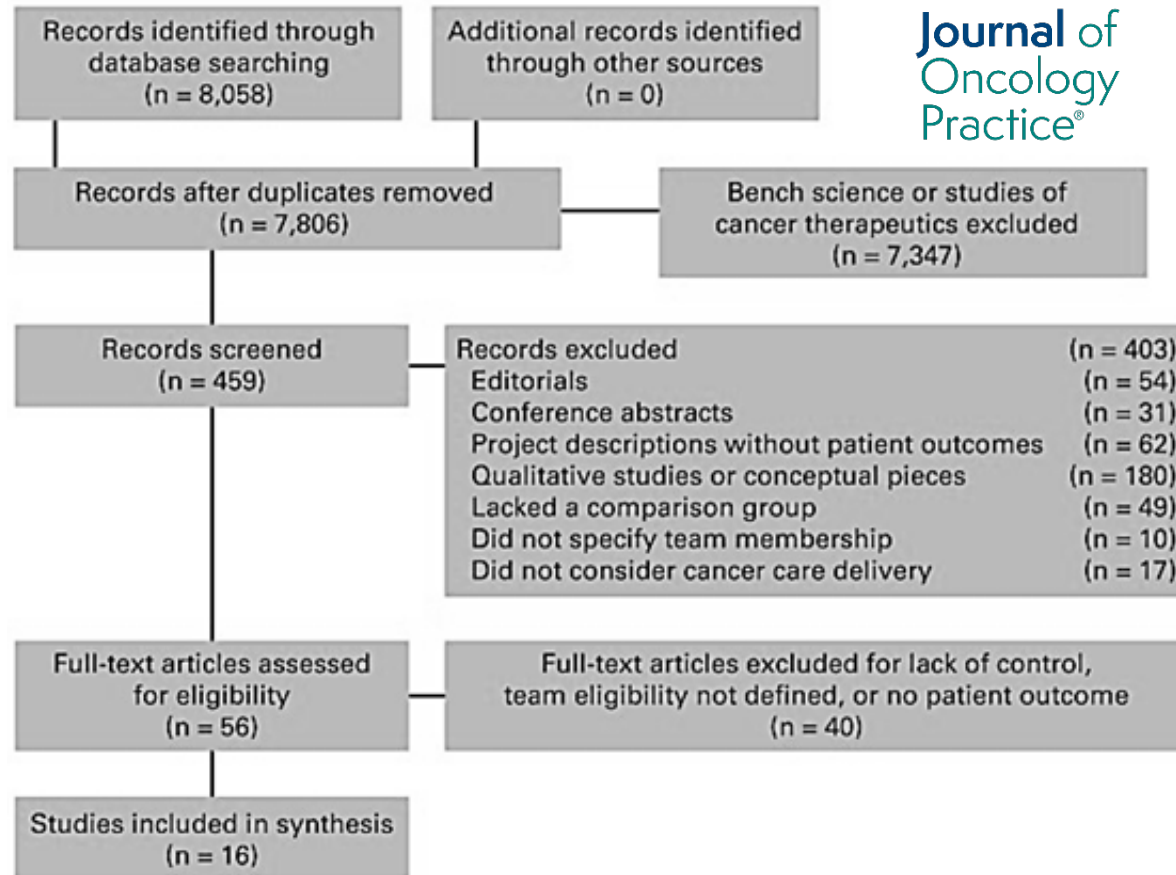
Team-Based, Care Coordination Defined



“A team is defined as two or more people who interact dynamically, interdependently, and adaptively to achieve a common goal that is shared within the context of some larger group or organization”

Taplin SH, Weaver S, Salas E, et al: Reviewing cancer care team effectiveness. *J Oncol Pract* 11:231-238, 2015

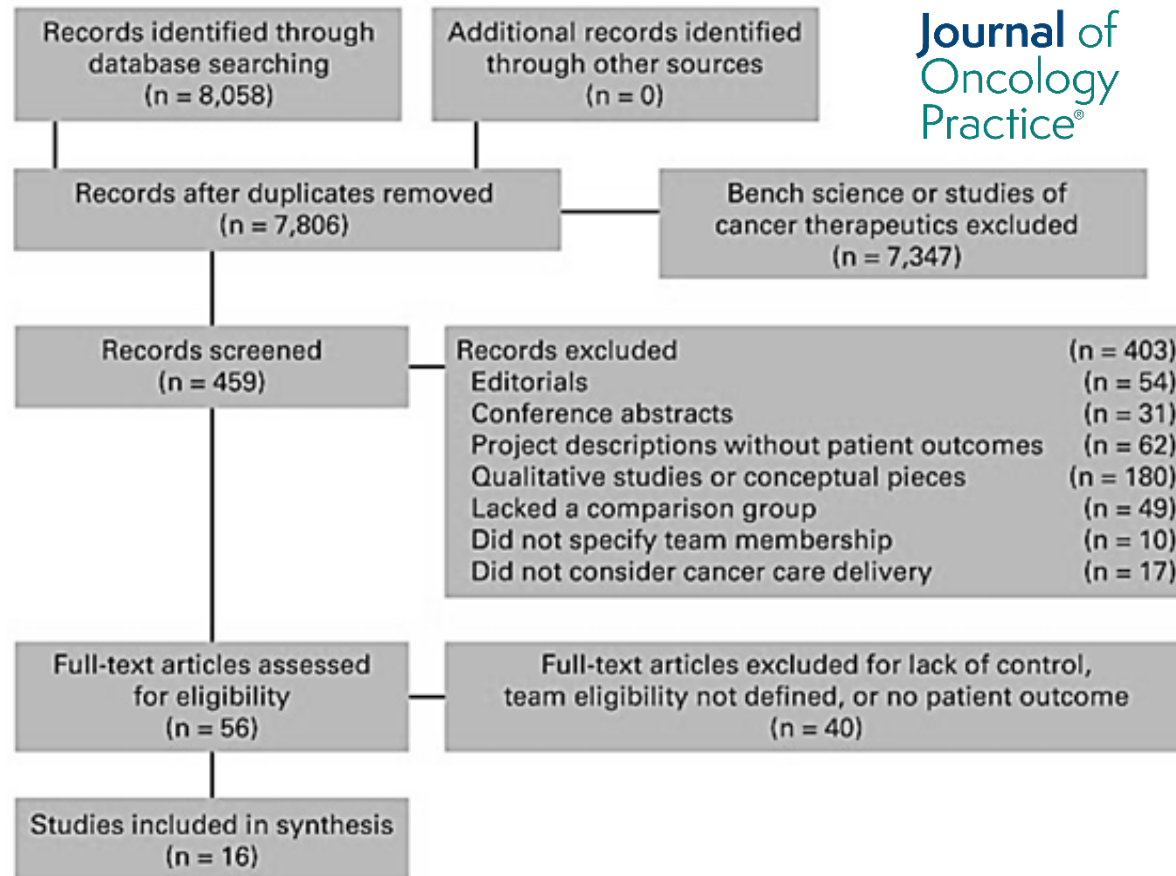
Reviewing Cancer Care Team Effectiveness



n=16 studies:

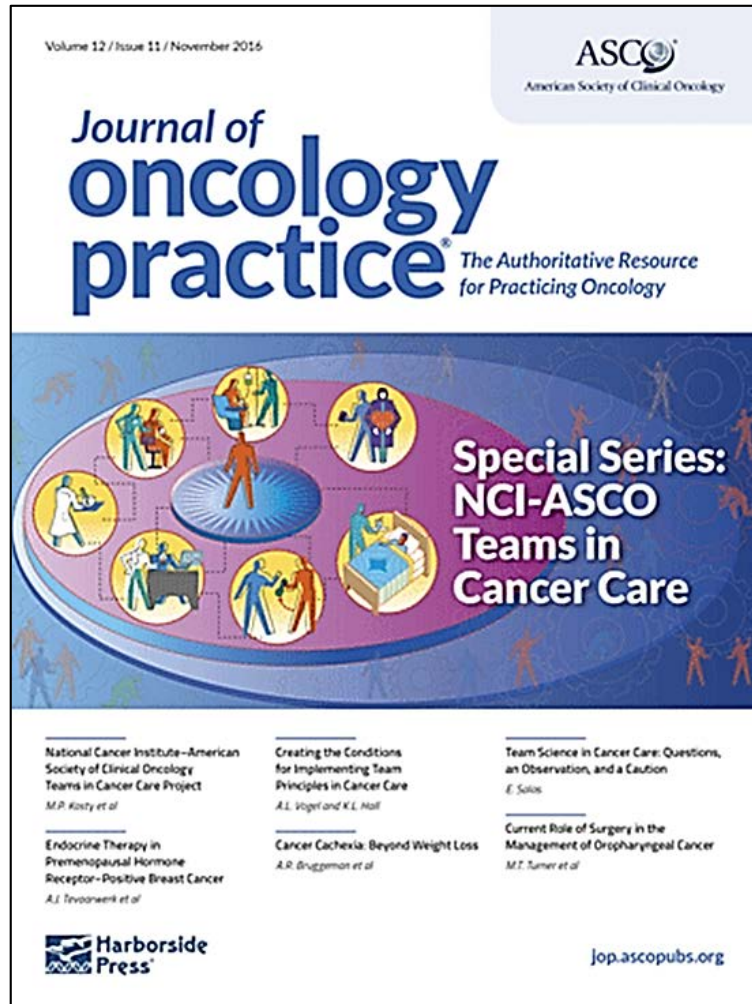
- 2 screening/diagnosis
- 11 treatment
- 2 palliative care
- 1 end-of-life care

Reviewing Cancer Care Team Effectiveness



- Improved screening use
- Reduced time to follow-up
- MDTs improved planning of therapy
- Adherence to medication
- Pain control

Special Series: NCI-ASCO Teams



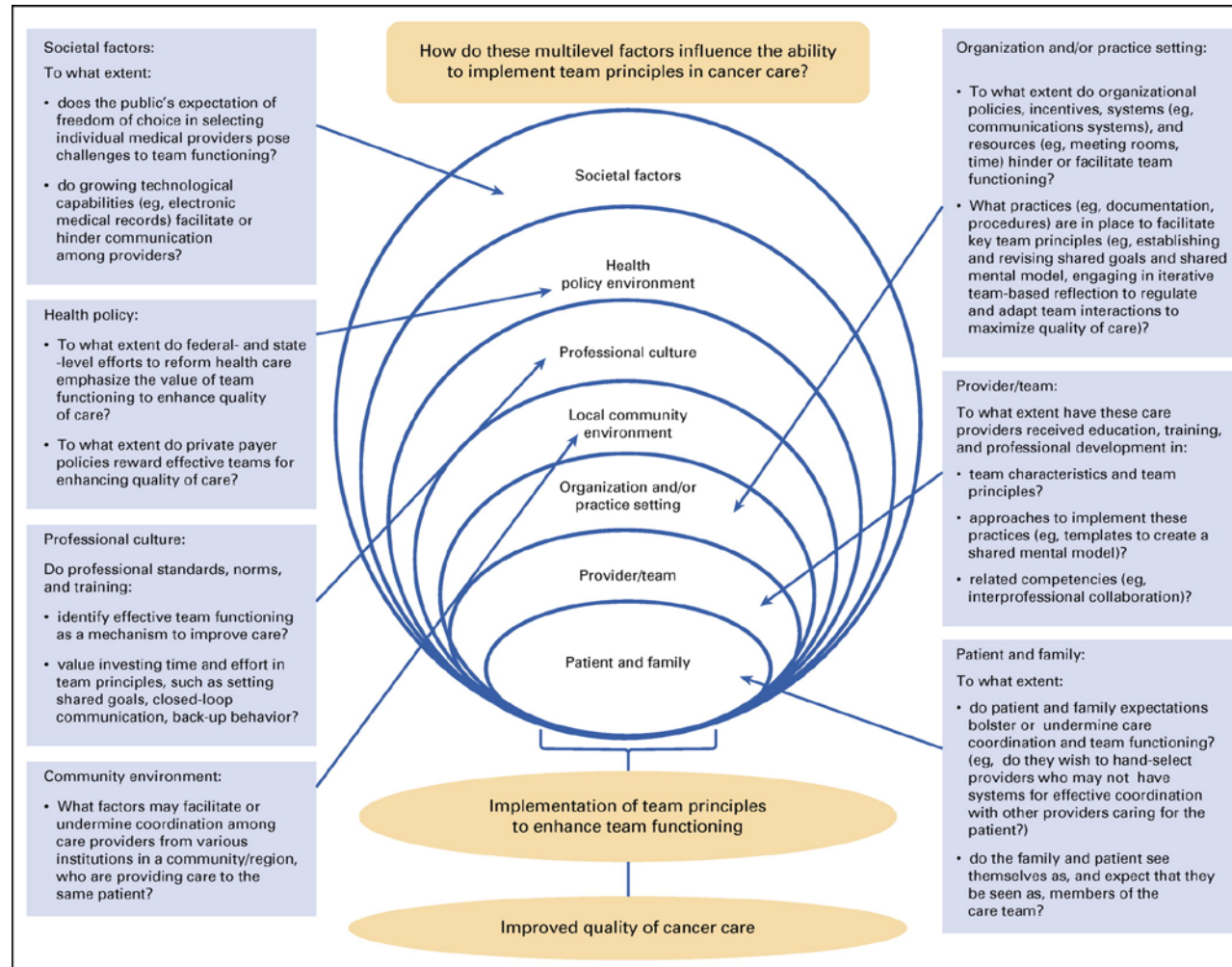
- Role of Psychological Safety in Team Communication
- A Case for Shared Leadership for Care Transitions
- Inclusion of the Patient as a Team Member
- Shared Mental Models to Improve Care Quality
- Coordinated Care as a Multiteam System Approach

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HOW

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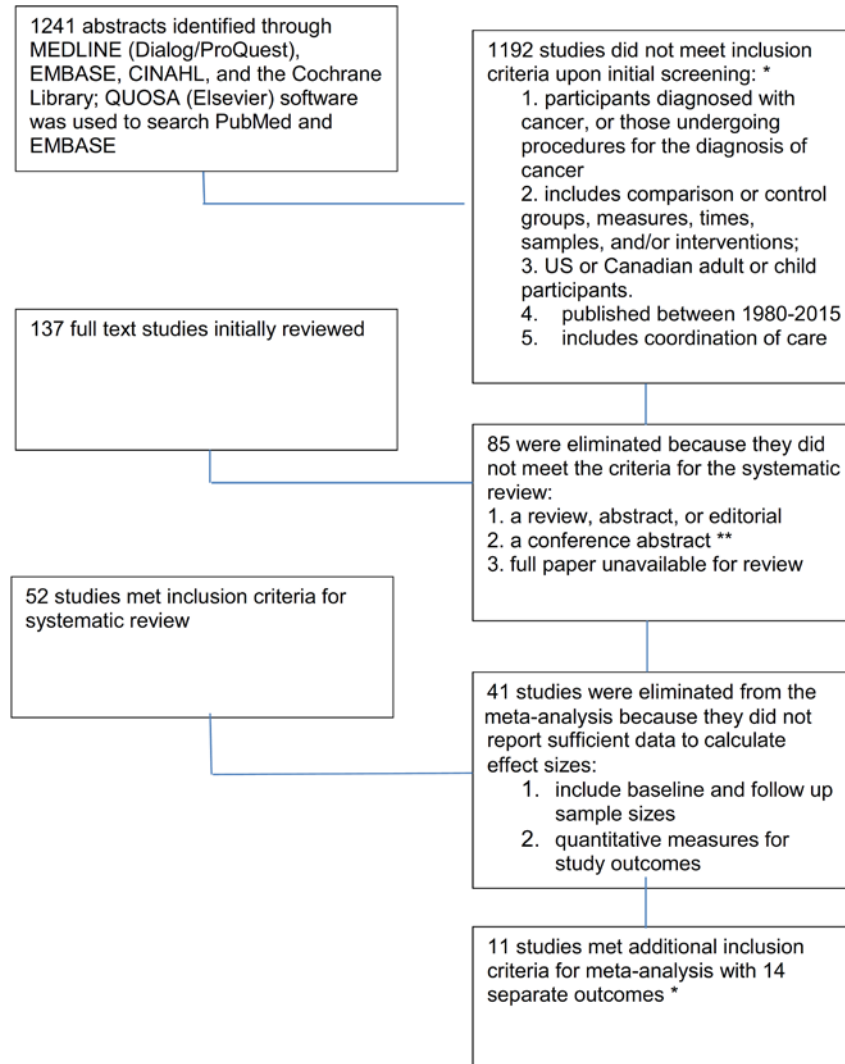
Creating the Conditions for Implementing Team Principles in Cancer Care



Emphasize the need for change at multiple levels to maximize success

Creating the Conditions for Implementing Team Principles in Cancer Care. Vogel AL, Hall KL. J Oncol Pract. 2016 Nov;12(11):964-969

Improving Coordination



- care coordination approaches led to improvements in 81% of outcomes
- screening, measures of patient experience with care, and quality of end-of-life care
- Across the continuum of cancer care, **patient navigation** was the most frequent care coordination intervention

Cancer Care Coordination: a Systematic Review and Meta-Analysis of Over 30 Years of Empirical Studies. Gorin SS, Haggstrom D, Han PKJ, Fairfield KM, Krebs P, Clauser SB. Ann Behav Med. 2017 Aug;51(4):532-546

Review of Patient Navigation

- Patients face many challenges with the health care system (all SES groups)
- Begins at the time of diagnosis and continue throughout continuum.
- Navigation developed to reduce gaps in care, improving access and timeliness
- Commission on Cancer (CoC) standard for accreditation
- The Patient Navigation Research Program (PNRP): n= 10,521, ↓ TTD
- Cost of navigation can be offset by savings in care efficiency

Riley S et al., Journal of Clinical Pathways. 2016;2(1):41–47.

Navigation Study

- Multi-institution NIH study
- Address implementation
- Address SES barriers
- Major impact on care delivery



TRIP Navigation Study

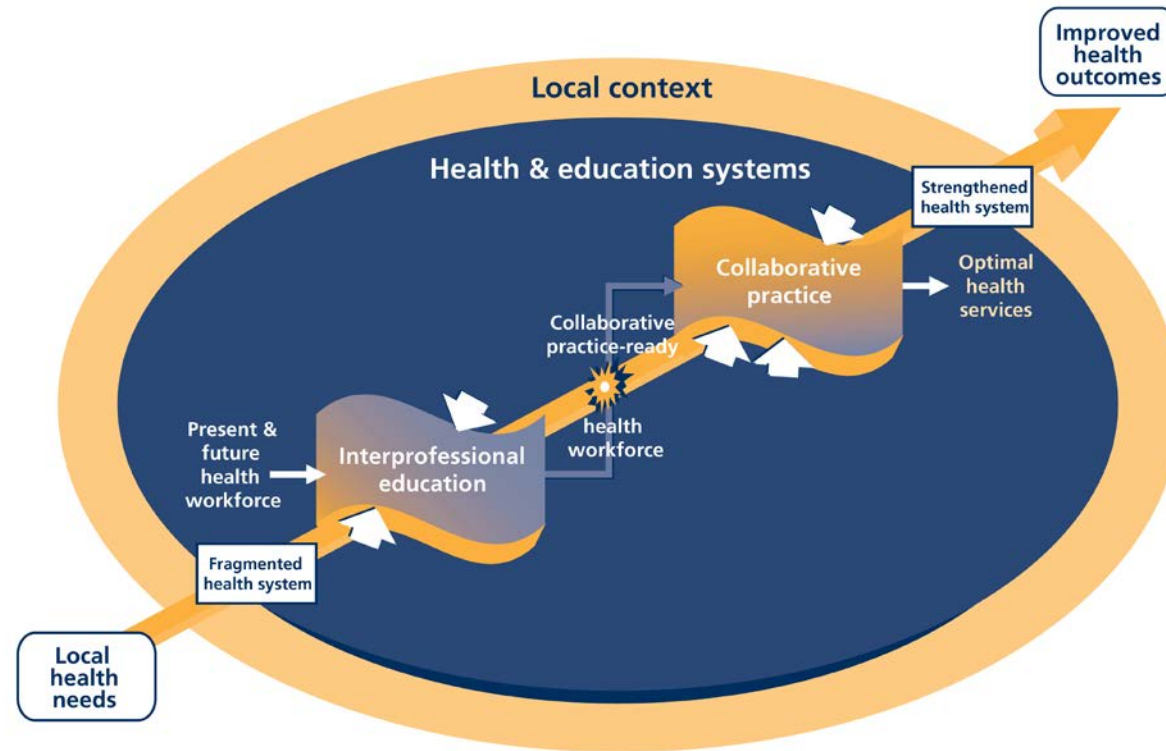
Josiah Macy Foundation



Interprofessional education and teamwork:

“We have strong evidence that health care delivered by well-functioning teams leads to better outcomes, but we still too often educate our health professionals in silos. We need more planned and rigorous interprofessional education that links directly to ensuring optimal health for patients and communities”

Framework for Action on Interprofessional Education & Collaborative Practice



Interprofessional Education Collaborative Expert Panel. (2011).

Core competencies for interprofessional collaborative practice:

Report of an expert panel. Washington, D.C.: Interprofessional Education Collaborative.

Promoting interprofessional collaboration in oncology through a teamwork skills simulation

- Interprofessional team training
- Simulated cancer care scenarios
- Paired teams of hematology-oncology nurses and fellows
- Twenty-three learners participated in two separate sessions
- Indicated skills in teamwork and communication.

James TA, Page JS, Sprague J. J Interprof Care. 2016 Jul;30(4):539-41

SUMMARY

Advancing Team-Based, Coordinated Care Across the Life Course

Conclusions

1. Patients benefit from team-based, coordinated care
2. Patient Navigation is a promising intervention
3. Need for greater Interprofessional Education and Collaboration
4. Opportunities for future research | Implementation science

Thank you

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