

**BC**12.5

#### 2018 GLOBAL SUMMIT:

## IMPROVING BREAST HEALTH CARE THROUGH RESOURCE-STRATIFIED PHASED IMPLEMENTATION

Benjamin O. Anderson, M.D.

Chair and Director
Breast Health Global Initiative
Fred Hutchinson Cancer Research Center

**Professor of Surgery & Global Health Medicine University of Washington** 

Seattle, Washington USA



# BREAST CANCER INITIATIVE 2.5

Making breast health a global priority

BCI 2.5 is a global campaign to reduce disparities in breast cancer outcomes for 2.5 million women



#### **Initiating Partners**

**American Cancer Society** 

Susan G. Komen for the Cure

**Breast Health Global Initiative** 

Harvard Global Equity Initiative

National Cancer Institute Center for Global Health

Norwegian Cancer Society

Pan American Health Organization (PAHO)

Union for International Cancer Control (UICC)

Women's Empowerment Cancer Advocacy Network (WE CAN)



- Resource-Stratified Guidelines
- Guideline Adoption
- Phased Implementation





The Breast Health Global Initiative

**BCI2.5** 

#### BHGI GUIDELINE DEVELOPMENT

- Comprehensive guidelines by selected expert panels
- Consensus opinions based on evidence review
- Publication of a) consensus and b) individual manuscripts

#### **GUIDELINE DEVELOPMENT SUMMITS:**

Global Summit 2002: Health Care Disparities

Global Summit 2005: Resource Stratification

#### **GUIDELINE VALIDATION SUMMITS:**

Global Summit 2007: Guideline Implementation

Global Summit 2010: Healthcare Delivery

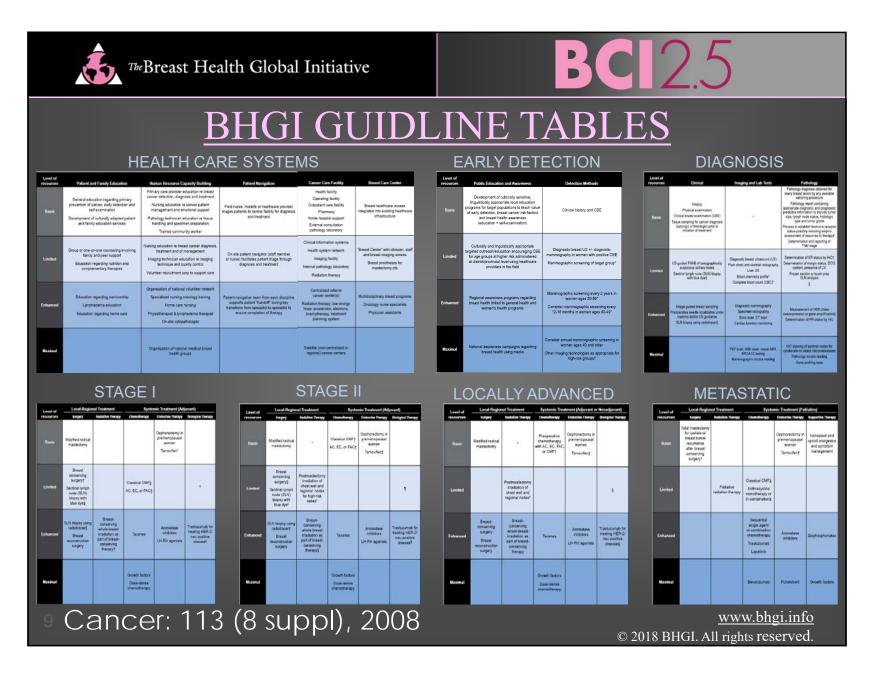
Global Summit 2012: Supportive Care and QOL



**BCI2.5** 

### GLOBAL SUMMIT 2005 – BETHESDA RESOURCE STRATIFICATION

- ➤ Basic level: <u>Core resources</u> or fundamental services necessary for any breast health care system to function.
- Limited level: <u>Second-tier resources</u> or services that produce major improvements in outcome such as survival.
- Enhanced level: <u>Third-tier resources</u> or services that are optional but important, because they increase the number and quality of therapeutic options and patient choice.
- Maximal level: <u>Highest-level resources</u> or services used in some high resource countries that have *lower priority* on the basis of extreme cost and/or impracticality.



Copyright 2018©, BHGI. All rights reserved. With the exception of a copy for personal use, no part of this publication may be reproduced or transmitted in any other form or by any means, electronic or mechanical, without first obtaining written permission from Breast Health Global Initiative.

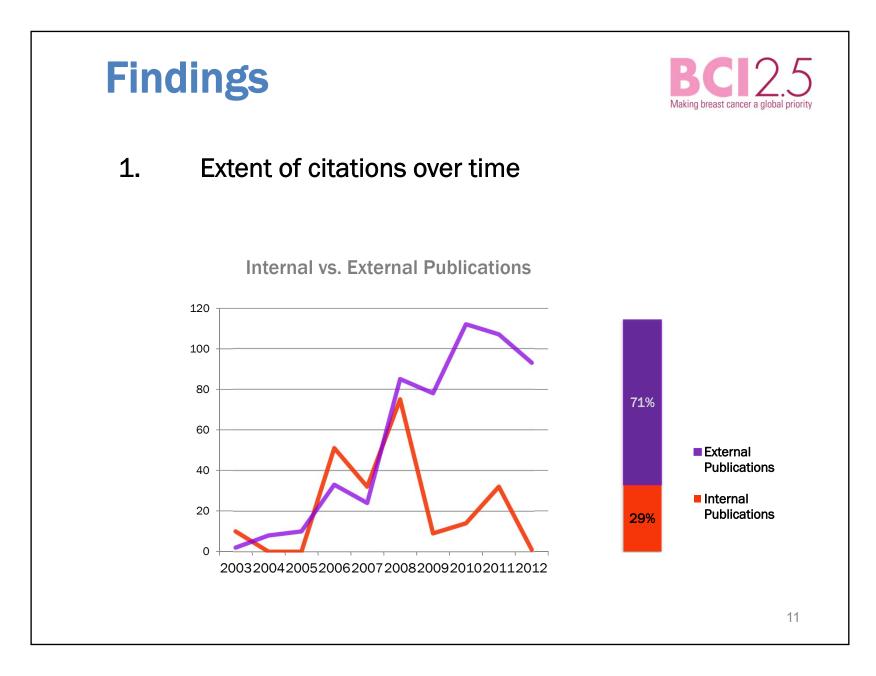


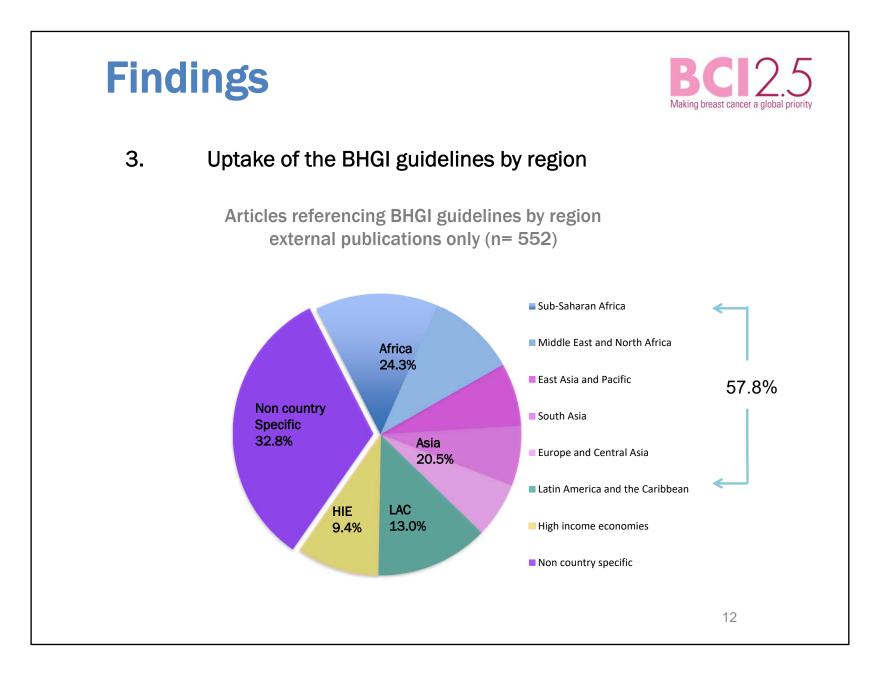
#### BASIC LEVEL CARE (BHGI) TREATMENT (ALL STAGES)

- Surgical services:
  - Modified radical mastectomy
  - Breast conservation (radiation required)
- Systemic therapy (on WHO essential drug list 2011):
  - Tamoxifen (vs oophorectomy)
  - Cytotoxic therapy (CMF, AC, EC, FAC)
  - Pain management

Anderson, Cancer 113(8 suppl):2221, 2008 www.bhgi.info

www.bhgi.info



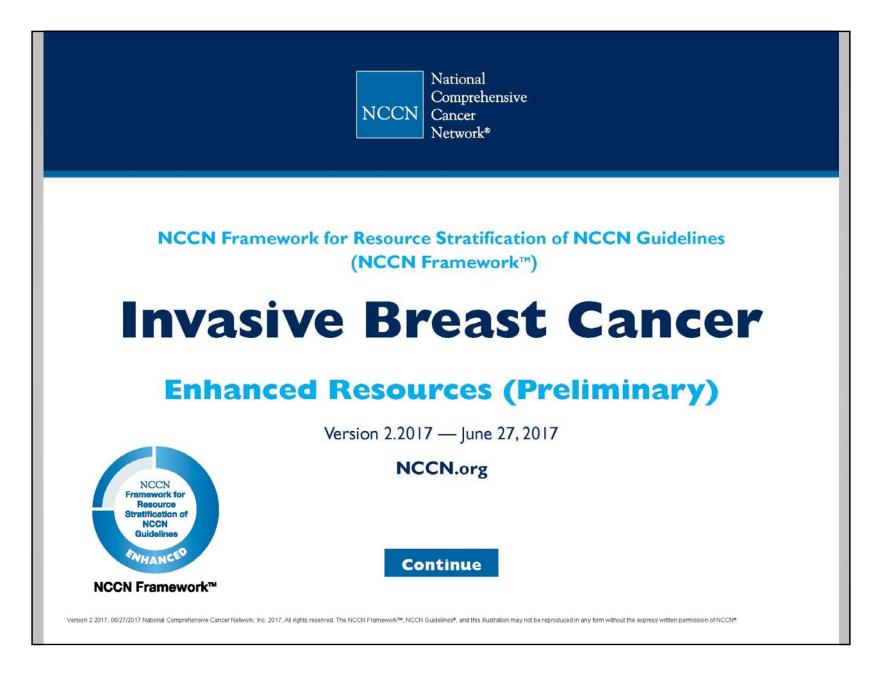








#### NCCN Framework for Resource Stratification of NCCN Guidelines (NCCN Framework™)





#### NCCN Framework™: Visual Display of Framework

The NCCN Framework™ is represented as follows:

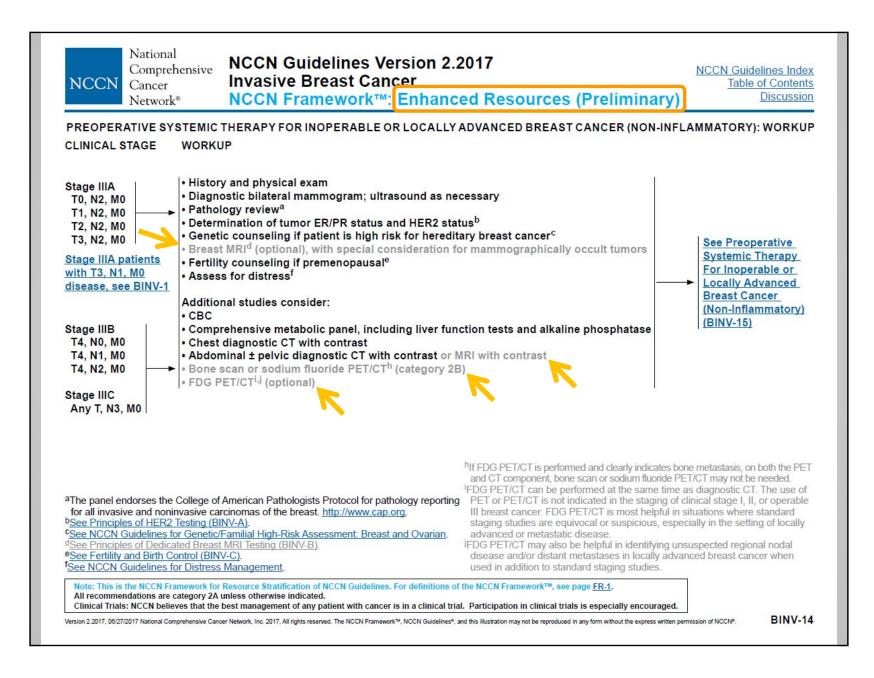
Black Text: Included recommendation

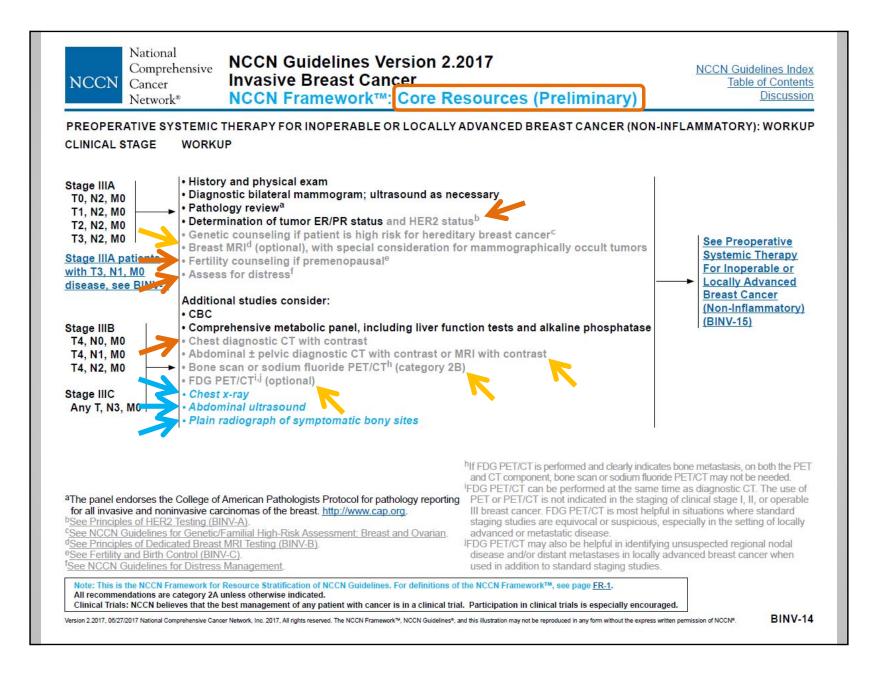
Gray Text: Withheld recommendation

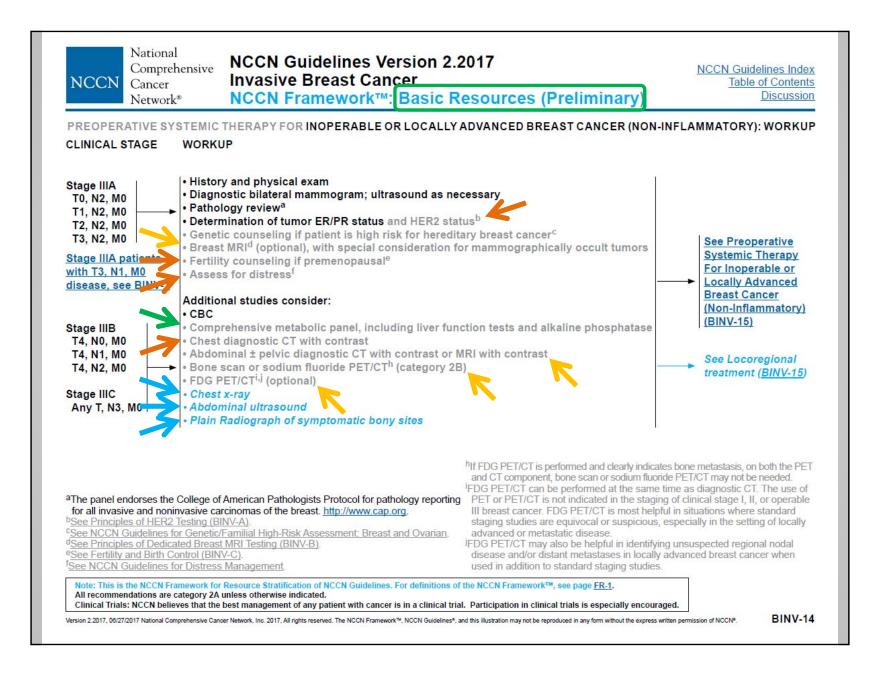
Italicized Blue Text: Modified recommendation based on resource level

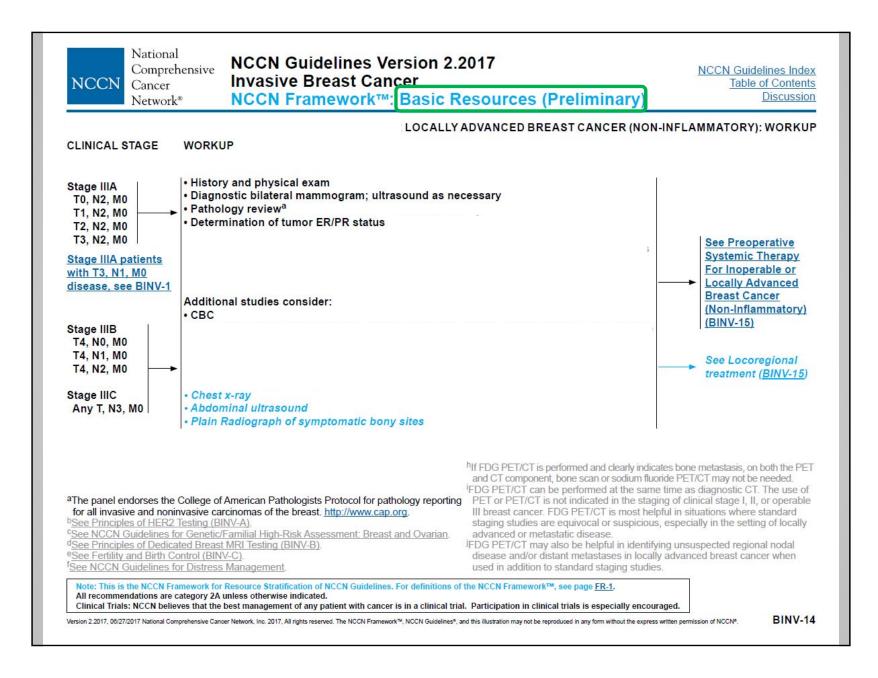
© National Comprehensive Cancer Network, Inc. 2016, All rights reserved.

The NCCN Guidelines® and this illustration may not be reproduced in any form without the express written permission of NCCN®









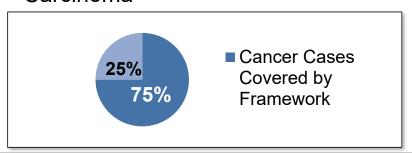
Copyright 2018©, BHGI. All rights reserved. With the exception of a copy for personal use, no part of this publication may be reproduced or transmitted in any other form or by any means, electronic or mechanical, without first obtaining written permission from Breast Health Global Initiative.

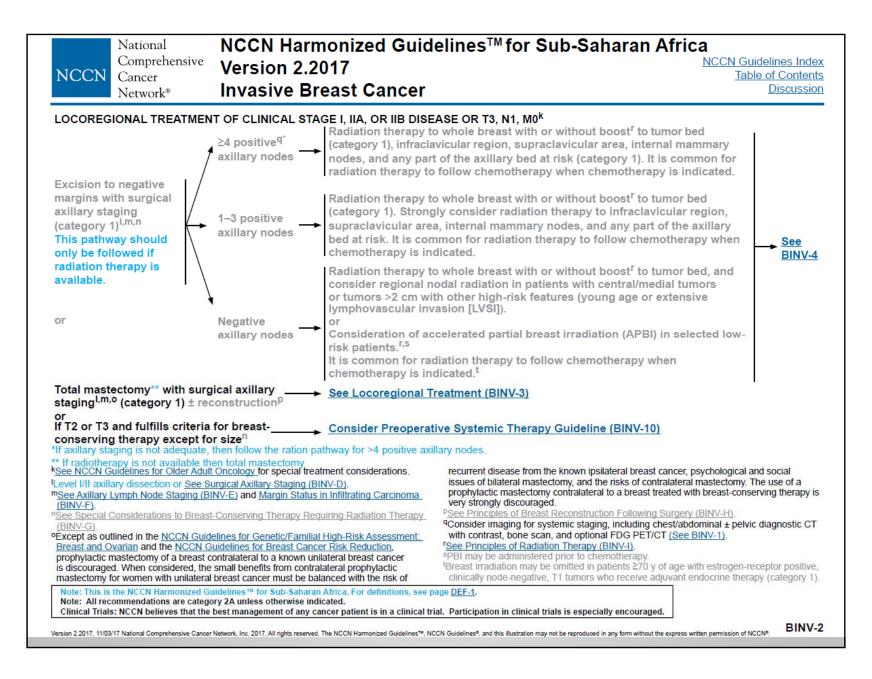


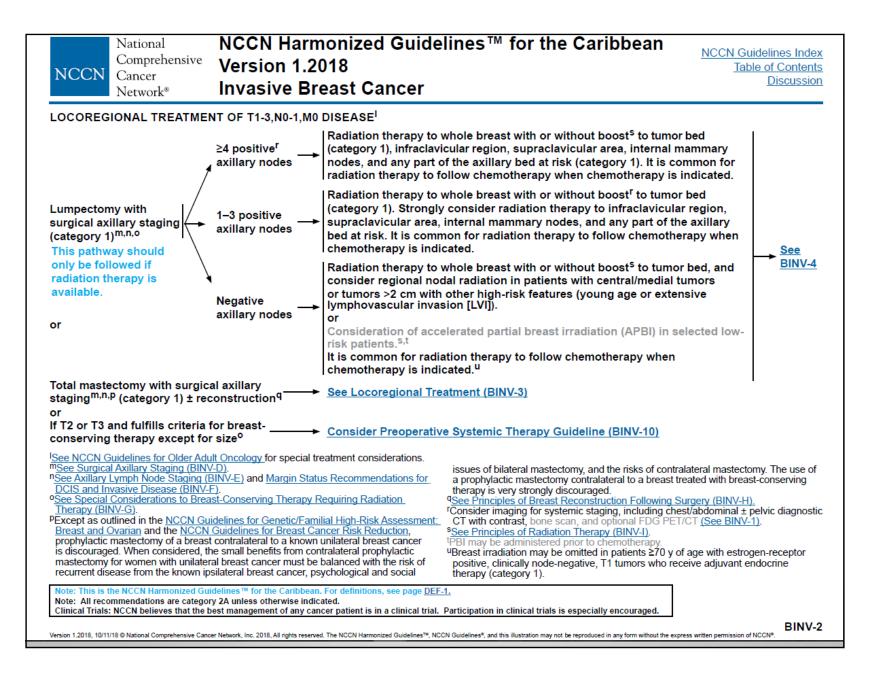
#### NCCN Framework™: Cancer Frameworks 2018

- Currently online (75% of all cancers globally):
- Adult Cancer Pain
- Bladder Cancer
- Breast Cancer
- Cervical Cancer
- Colon Cancer NEW
- Esophageal and Esophagogastric Junction Cancers
- Gastric Cancer
- Head and Neck Cancers Cancers of the Lip and Oral Cavity

- Hepatobiliary Cancers
- Kidney Cancer
- Non-Small Cell Lung Cancer
- Palliative Care
- Pancreatic Cancer
- Prostate Cancer
- Rectal Cancer NEW
- Uterine Neoplasms Endometrial Carcinoma

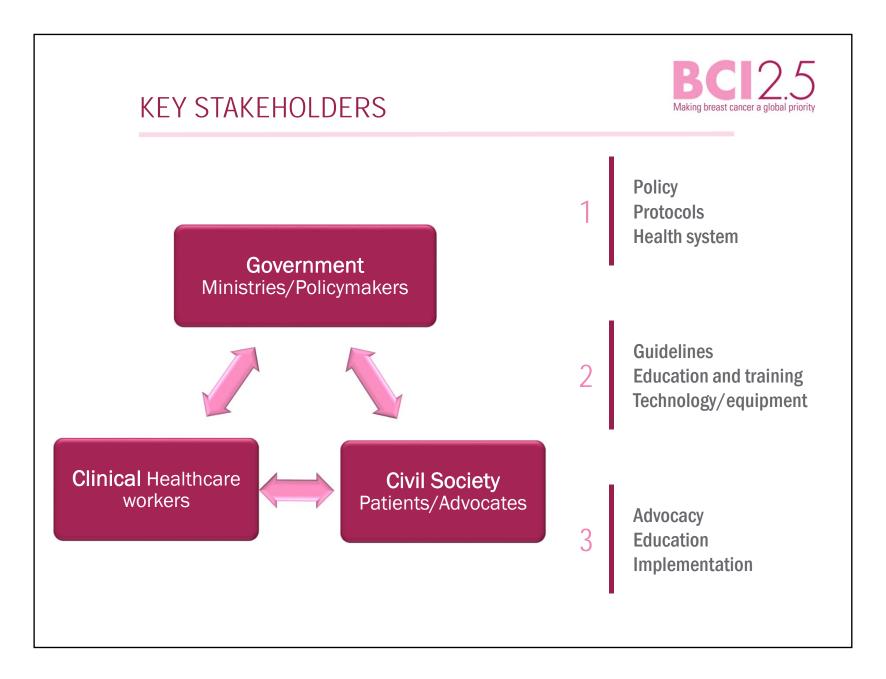


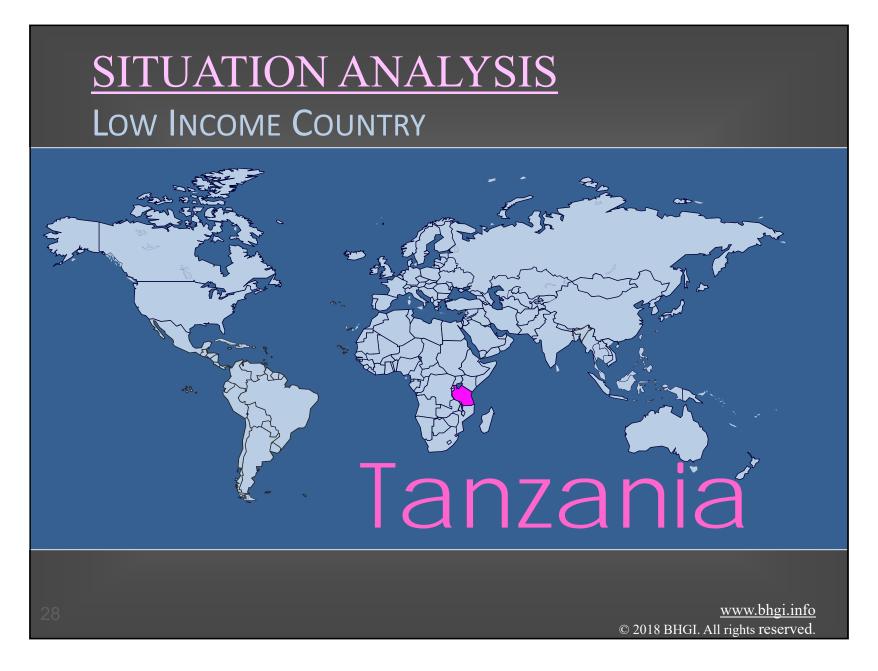




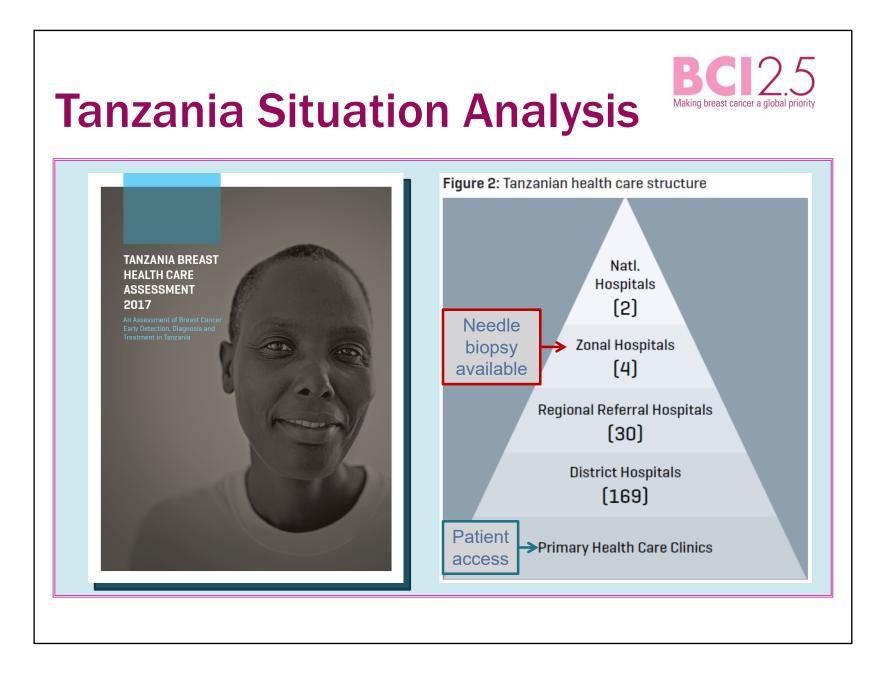








#### **Tanzania Situation Analysis** 00 Nyantakara Zanzibar DODOMA Dar es Salaam Morogoro Oringa Mohoro Kilwa Kivinj ZAMBIA MALAW



#### PHASED IMPLEMENTATION



Prerequisites

• Standardized guidelines, protocols and trained health care workforce.

Phase 1

• Systematic triage and diagnosis of palpable breast disease.

Phase 2

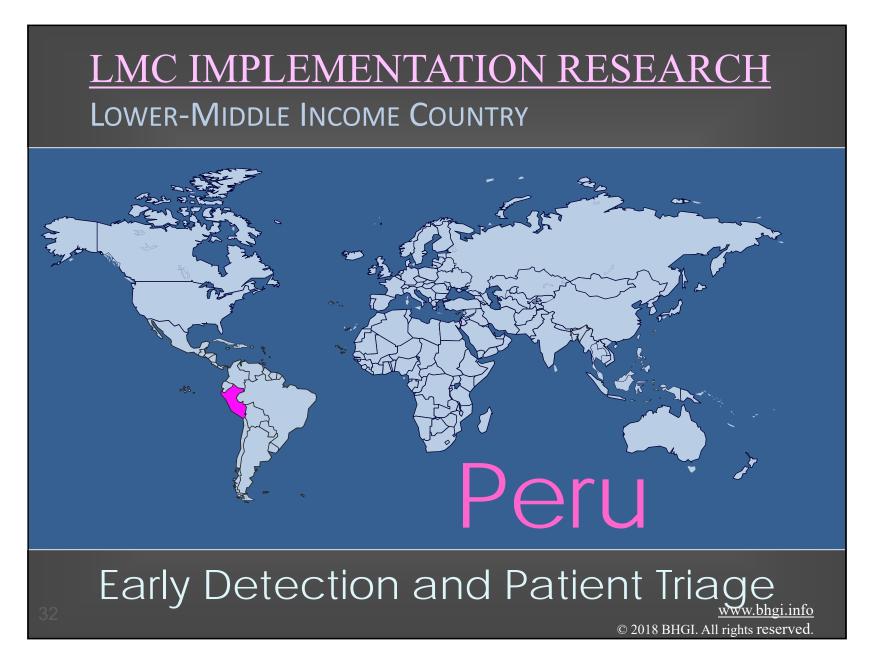
Resource-adapted stage-appropriate treatment planning.

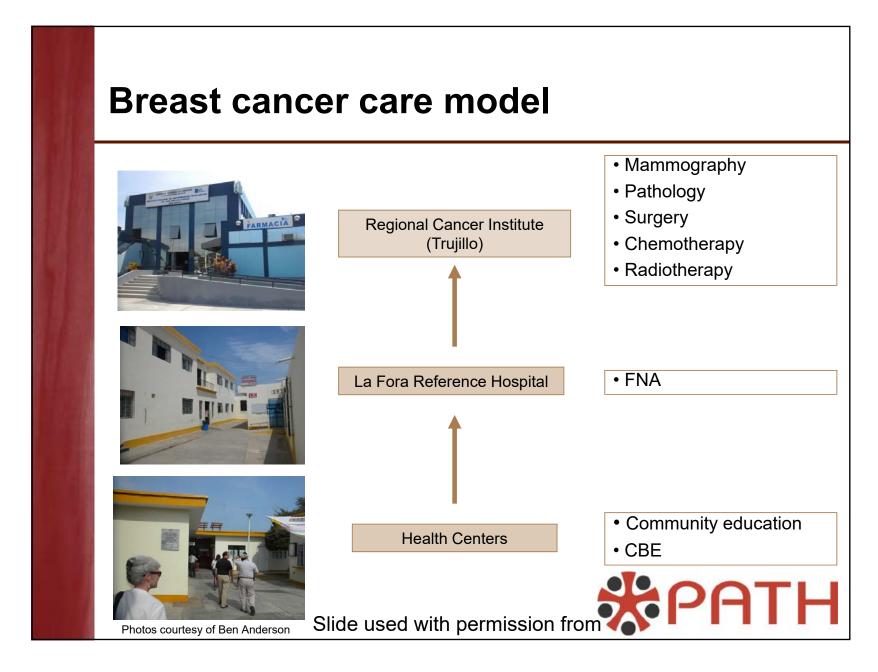
Phase 3

• Scaling up of targeted education interventions for public and health care staff & CBE to promote early detection of clinically detectable disease.

Phase 4

 Systematic upgrading of image-based diagnostic systems (technology & training) for management of non-palpable disease as a prerequisite to image-based (mammographic) screening.





#### Two phases

- Phase 1:
  - Pilot demonstration of the model of care.
- Phase 2:
  - National scale-up of the model.
  - Integration of post-treatment support for patients:
    - Clinical support at the local level for women who need follow-up care and monitoring.
    - Psychosocial support in the community.



#### PHASED IMPLEMENTATION





Day 1: Phased Implementation for Breast Cancer Early Diagnosis

Day 2: Phased Implementation for Breast Cancer Treatment and Supportive Care

Day 3: Integration of Breast Care Strategies into Existing Health Systems



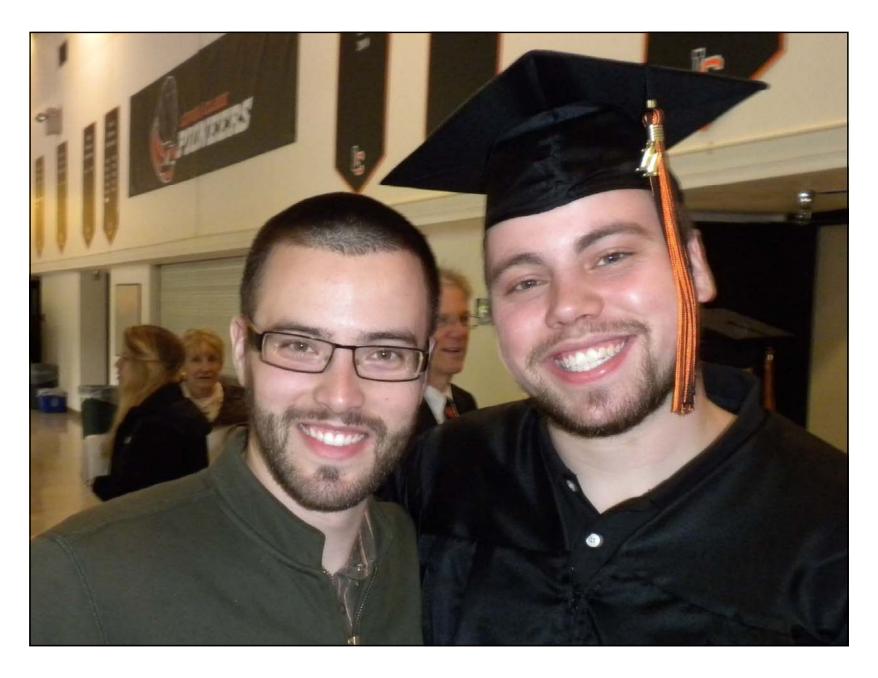


### PHASED IMPLEMENTATION IN CANCER SUMMARY

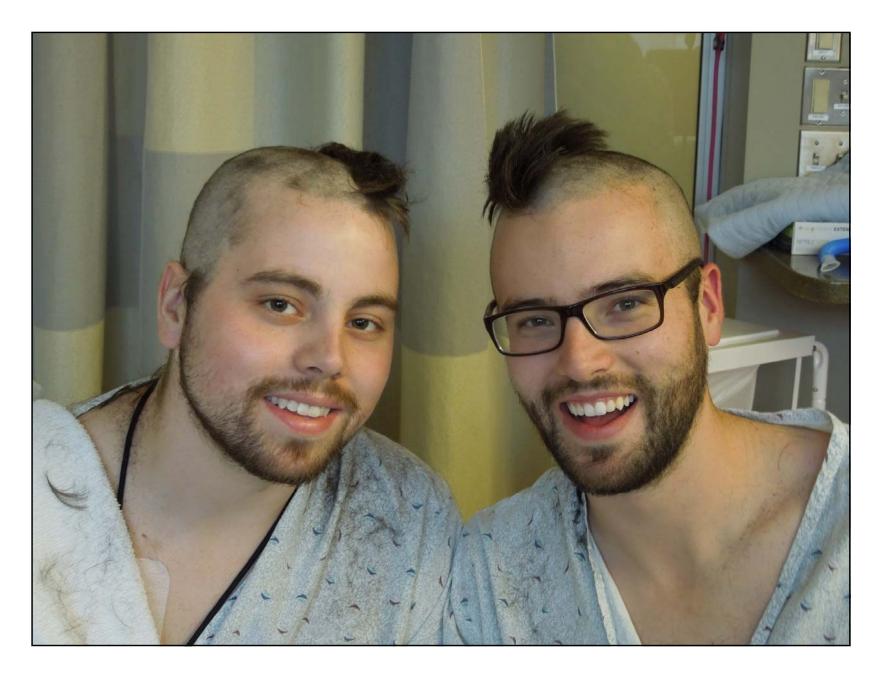
- Early detection followed by breast cancer treatment improves breast cancer outcomes and survival.
- Resource-stratified guidelines provide a framework for prioritizing sustainable health care strategies.
- Phased implementation defines sustainable approaches that integrate into existing healthcare systems to improve outcome.

36

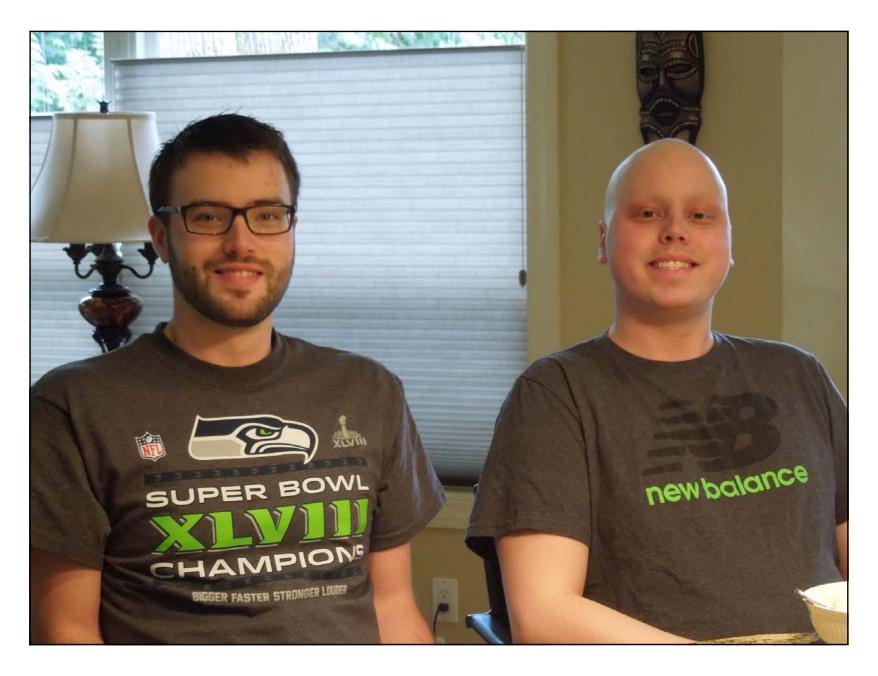




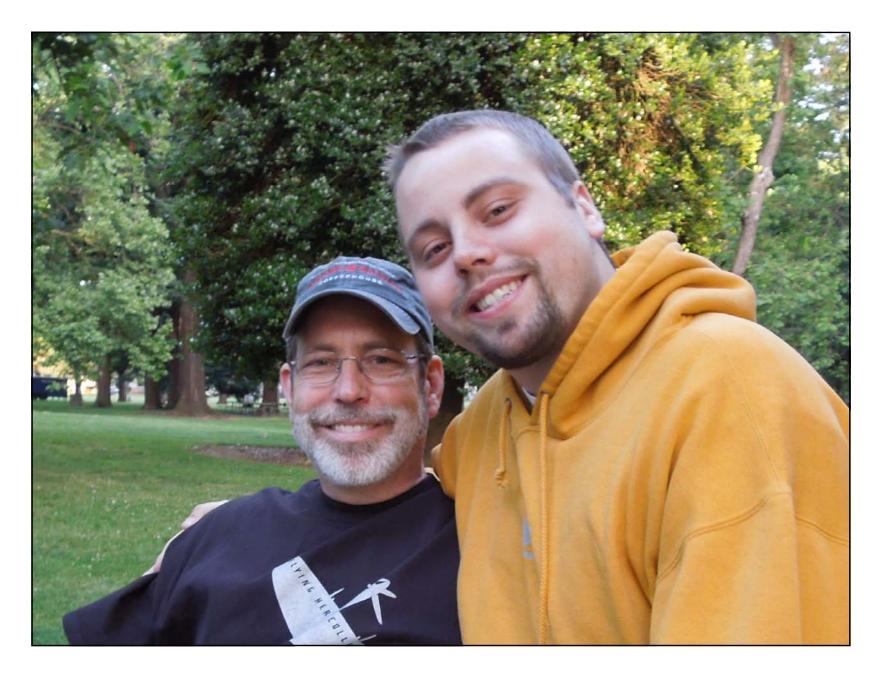
Copyright 2018©, BHGI. All rights reserved. With the exception of a copy for personal use, no part of this publication may be reproduced or transmitted in any other form or by any means, electronic or mechanical, without first obtaining written permission from Breast Health Global Initiative.



Copyright 2018©, BHGI. All rights reserved. With the exception of a copy for personal use, no part of this publication may be reproduced or transmitted in any other form or by any means, electronic or mechanical, without first obtaining written permission from Breast Health Global Initiative.



Copyright 2018©, BHGI. All rights reserved. With the exception of a copy for personal use, no part of this publication may be reproduced or transmitted in any other form or by any means, electronic or mechanical, without first obtaining written permission from Breast Health Global Initiative.



Copyright 2018©, BHGI. All rights reserved. With the exception of a copy for personal use, no part of this publication may be reproduced or transmitted in any other form or by any means, electronic or mechanical, without first obtaining written permission from Breast Health Global Initiative.



#### The Breast Health Global Initiative

www.bhgi.info

## BREAST CANCER INITIATIVE 2.5

Making breast health a global priority

—— www.BCI25.org —