

Global Summit on International Breast Health and Cancer Control:

Improving Breast Health Care through Resource-Stratified Phased Implementation

Metrics for Assessing Early Breast Cancer Detection Success – Moving Beyond Incidence and Mortality

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International Agency for Research on Cancer (France)











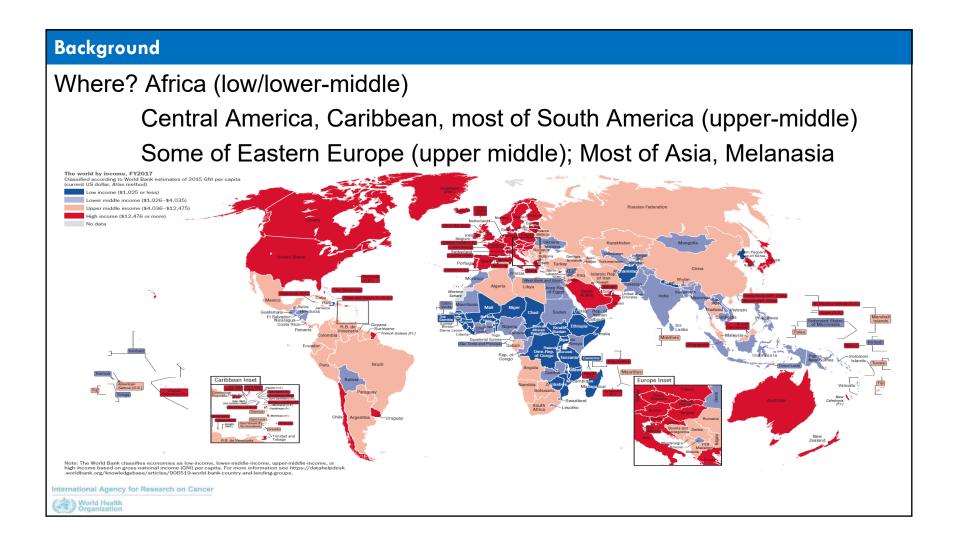


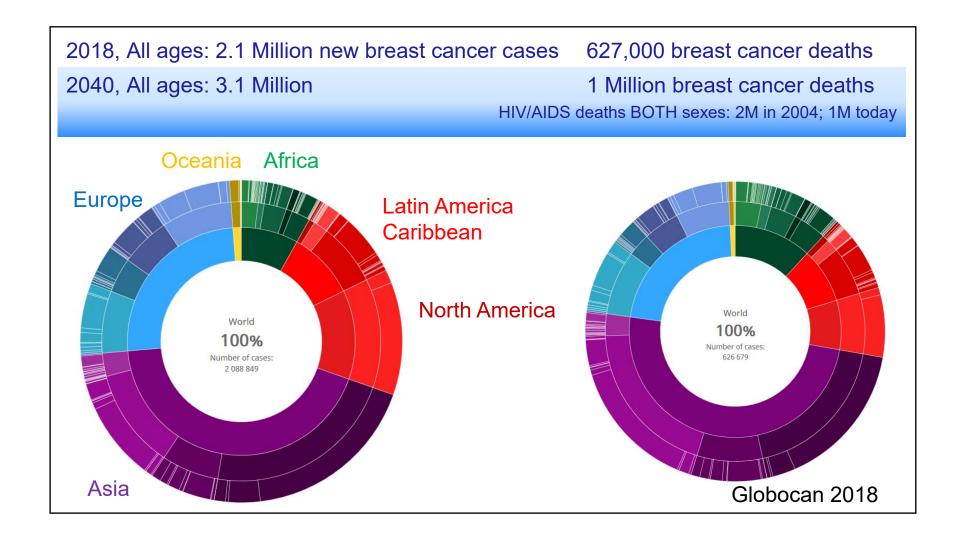
Outline

Metrics for Assessing Early Breast Cancer Detection Success in LMICs

- Background global burden
- Current Recommendations
- The journey to diagnosis examples
- How to measure early detection success

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World Health

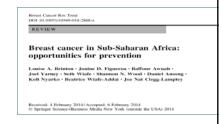


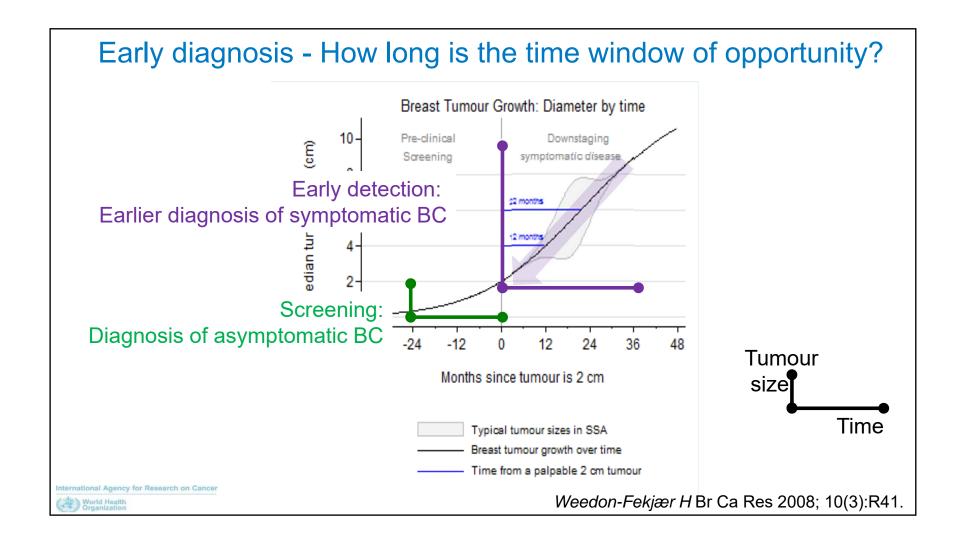


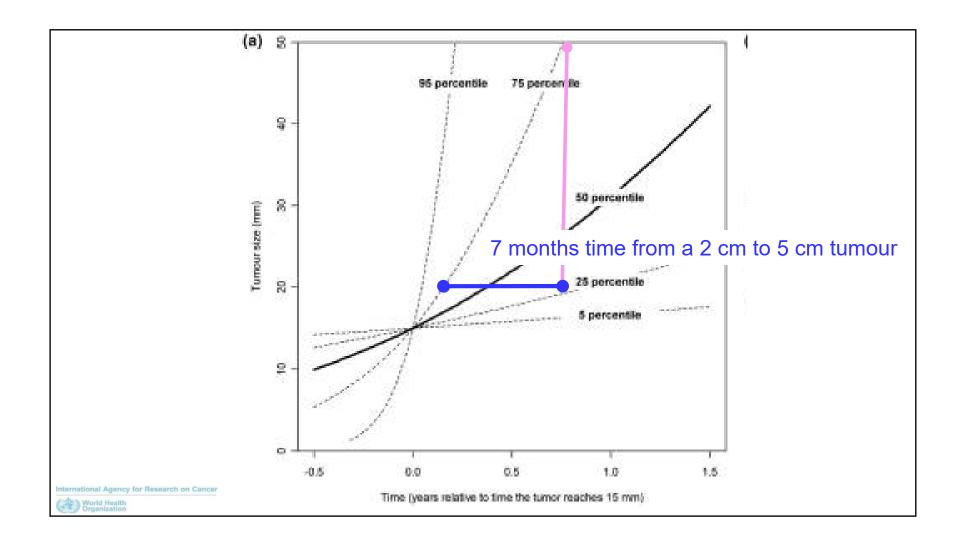
Preventing Breast Cancer Deaths

- Primary Prevention
 - Curtail an inevitable increase in incidence rates due to
 - · Declining age at menarche
 - Less and later childbearing
 - Sedentary lives
 - Promote healthy lifestyles
 - Increase physical activity
 - · Healthy body weight
 - · Reduce alcohol intake
 - Promote breastfeeding
- Improving Survival: Early detection, screening and treatment









	Current	methods and m	netrics	
	Basic	Limited / Core	Enhanced	Maximal
Public education	Appropriate education program to teach value of early detection, BC risk factors, BH awareness, SBE	District-level appropriate outreach/education encouraging CBE in high risk age groups using field HCP	Regional awareness on breast health linked to general/woman's healthcare	National awareness campaigns or breast health
Detection methods	Clinical history CBE	If CBE+, diagnostic US +/- mgm. Mgm sx for target group	2-yr mgm sx 50-69 y; Consider mgm sx 12- 18 mo at 40-49y	Annual sx mgm 40+; other imaging for high-risk
Process Metric	In an organized BH centre $\frac{History + Phy\ exam}{Target\ Women}$	$\frac{Dx\ imaging\ CBE\ +}{CBE\ +\ women}$	Screen within 24 mo No.women 50 – 69 y	HIC
Evaluation Goal	Breast health awareness regarding value of early detection	Downsizing +/ of symptomatic BC	Downsizing +/ downstaging of asymptomatic BC in women in highest yield target groups	Downsizing + downstaging asymptomati disease in al groups

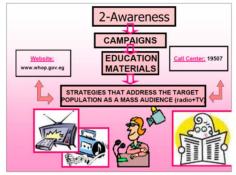
Examples - Enhanced

Enhanced. Egypt

- Mobile + fixed mammography for women over 45 years;
 6 units, 77,000 screenees
 16 of 27 governates
 covered with 4 yans
- 2. Awareness
- 3. Education and Training





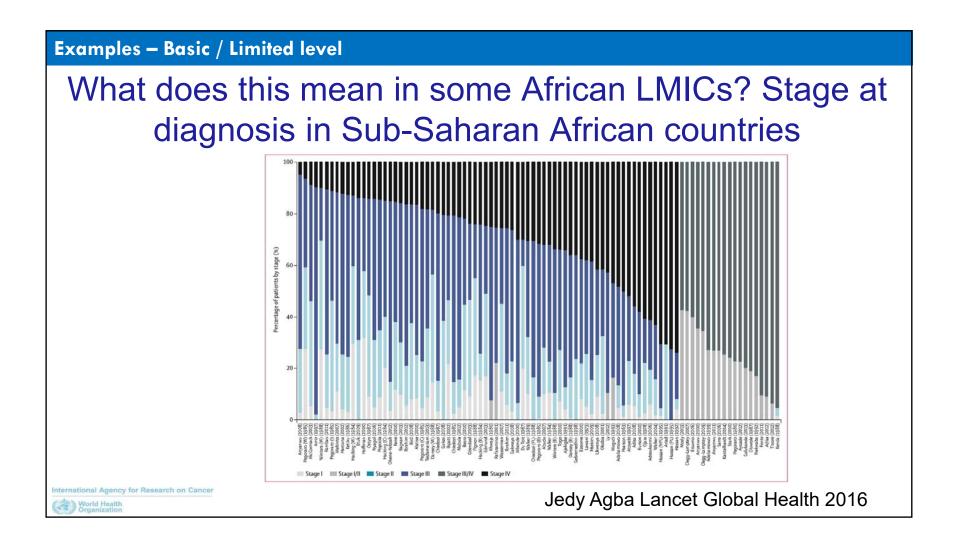


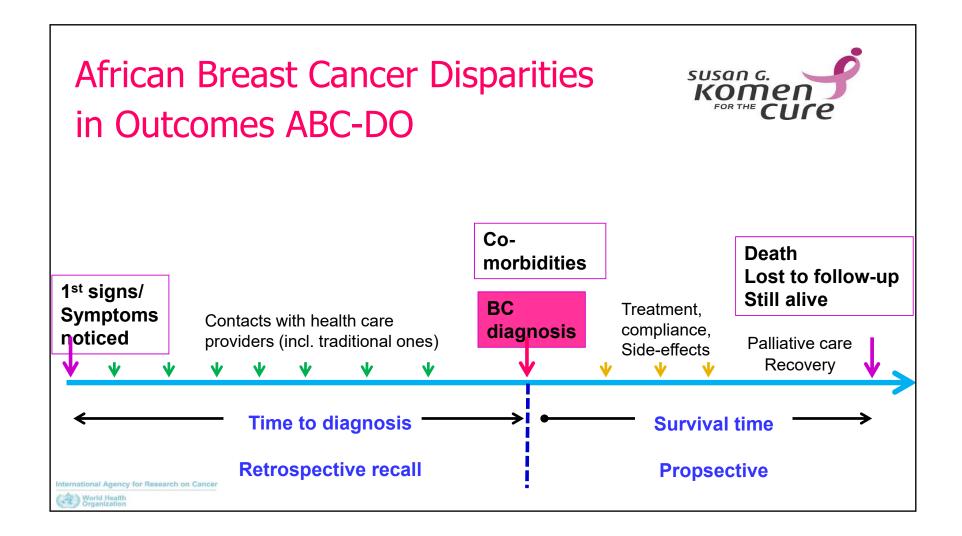


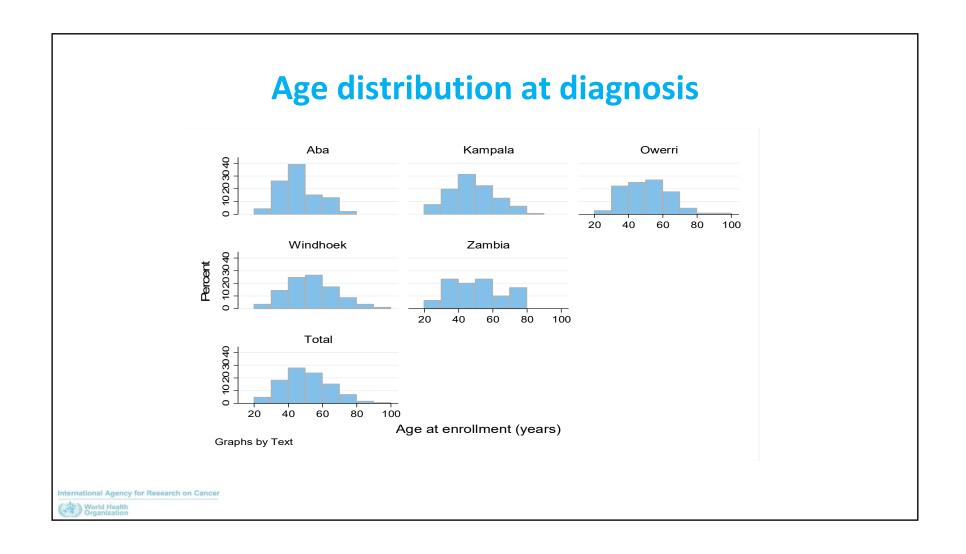
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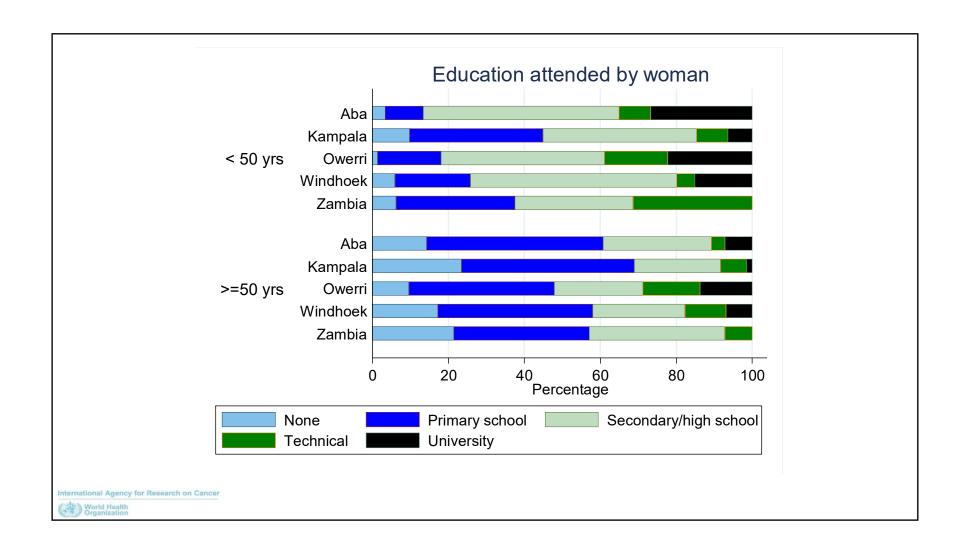
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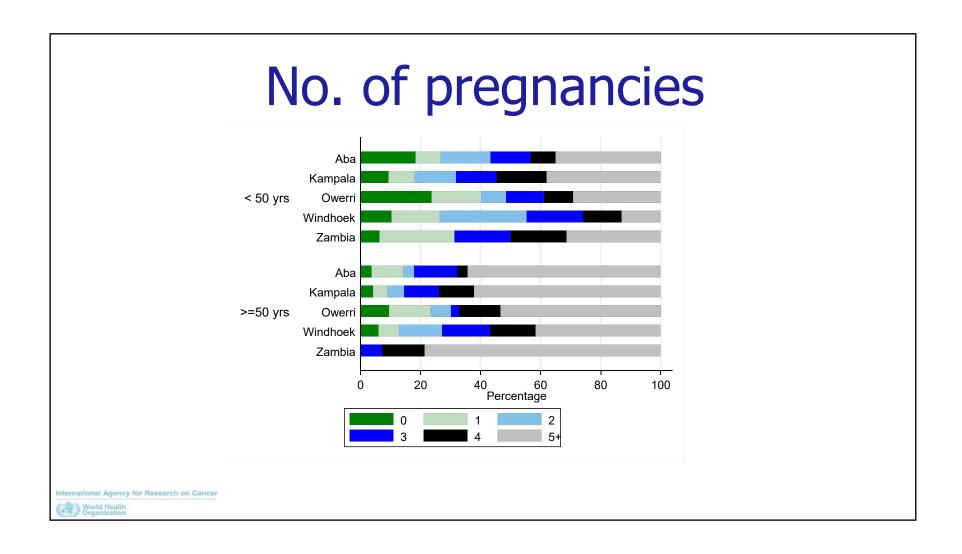
	by Stage	
Stage	Age group	AAPC ^a
	30–39	-1.3%
	40–49	5.8%
Localizad	50–59	3.1%
Localized	60–69	9.4%
	70+	18.2%
	Overall	5.5%
Regional	Overall	2.6%
	30–39	-11.3%
	40–49	-5.4%
Distant	50–59	-2.2%
Distant	60–69	-4.9%
	70+	3.8%
	Overall	-4.0%



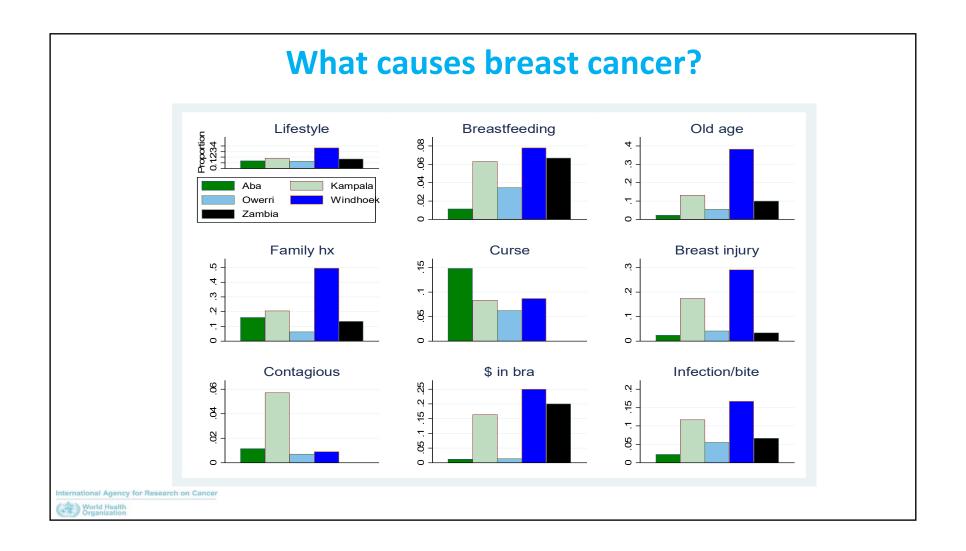


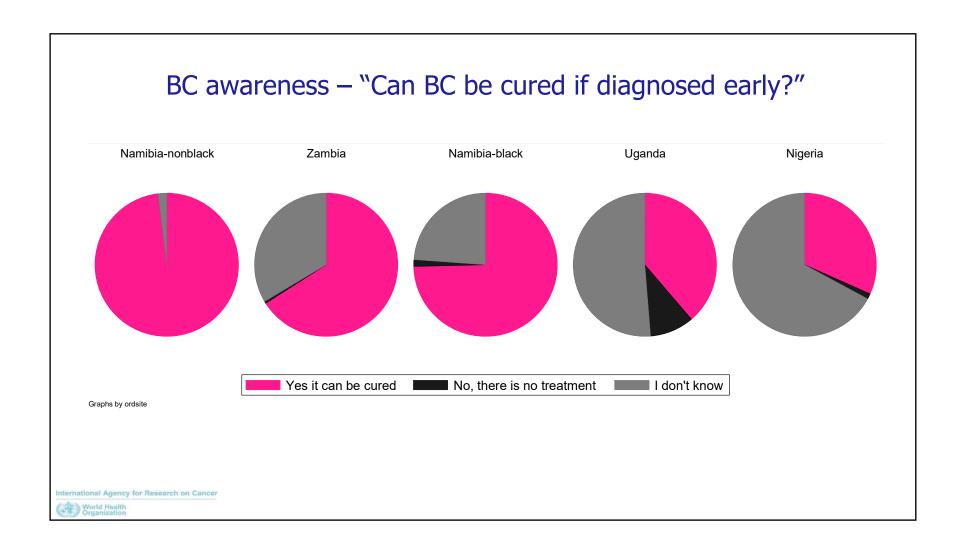


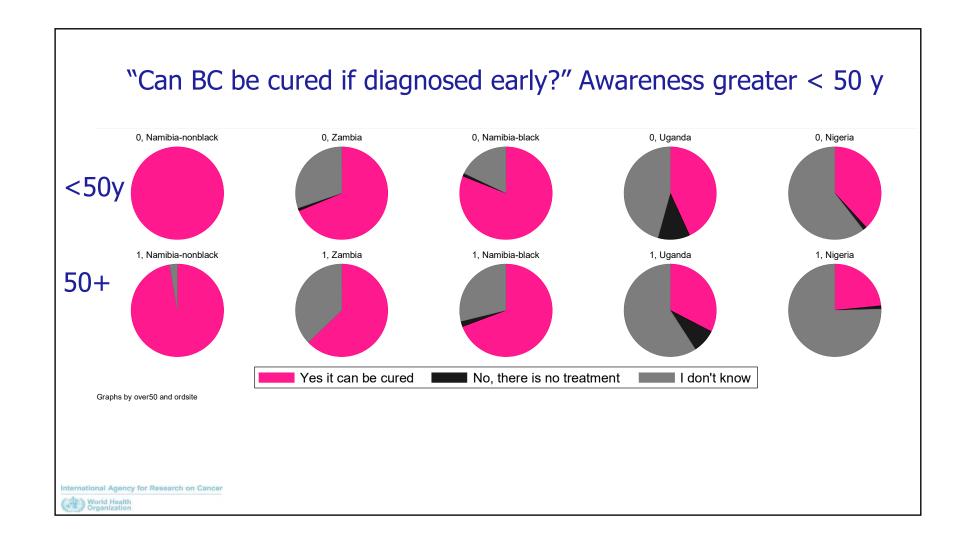


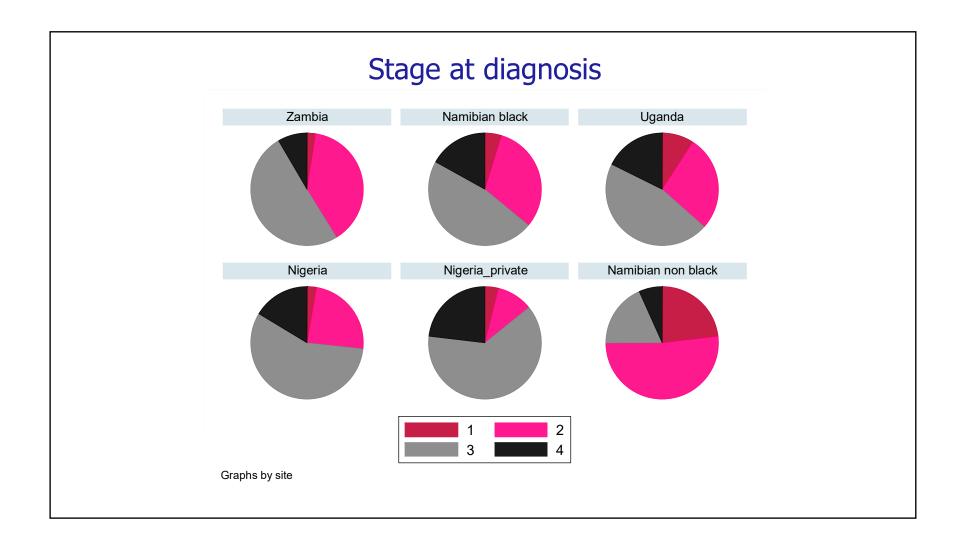


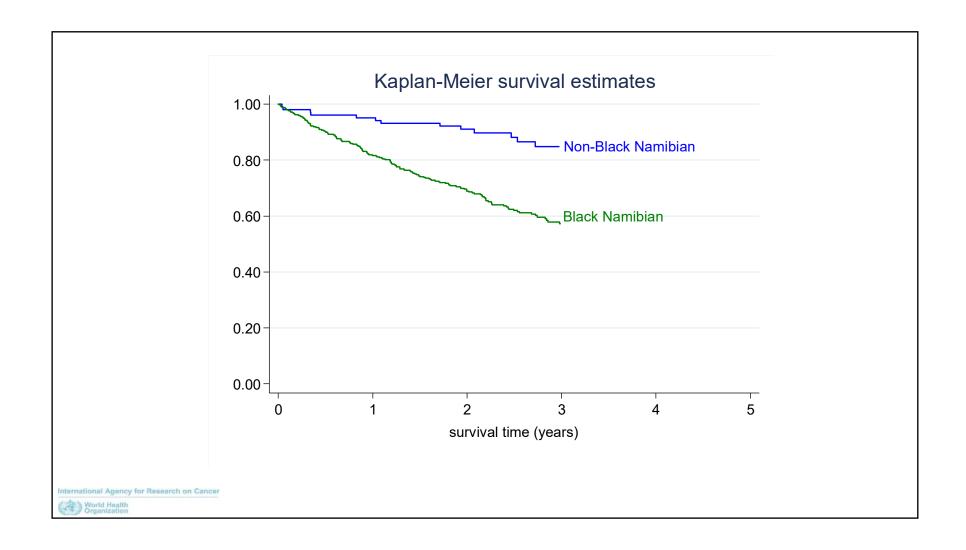
Geographically disparate populations - Namibia Congo Angola Zambia Zimbabwe Botswana Windhoek Central South Hospital, **Africa** Namibia

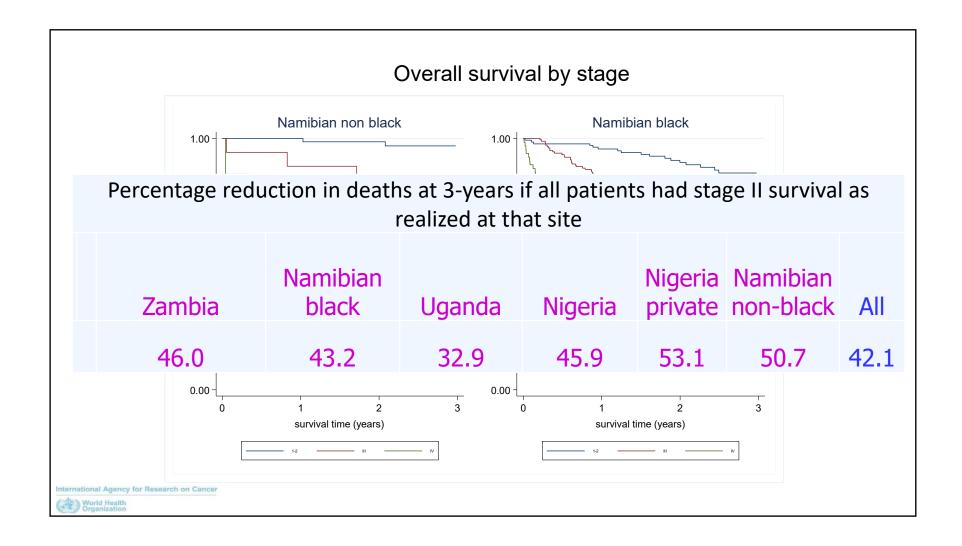












Odds Ratios for late stage

Lower stage with greater BrCa awareness:0.8 (0.7, 0.9)

• Black v non-black: 4.0 (2.8, 5.7)

No/primary education: 1.8 (1.4, 2.2)

Not heard of BrCa: 1.6 (1.3, 2.1)

• Unskilled job: 1.8 (1.4, 2.2)

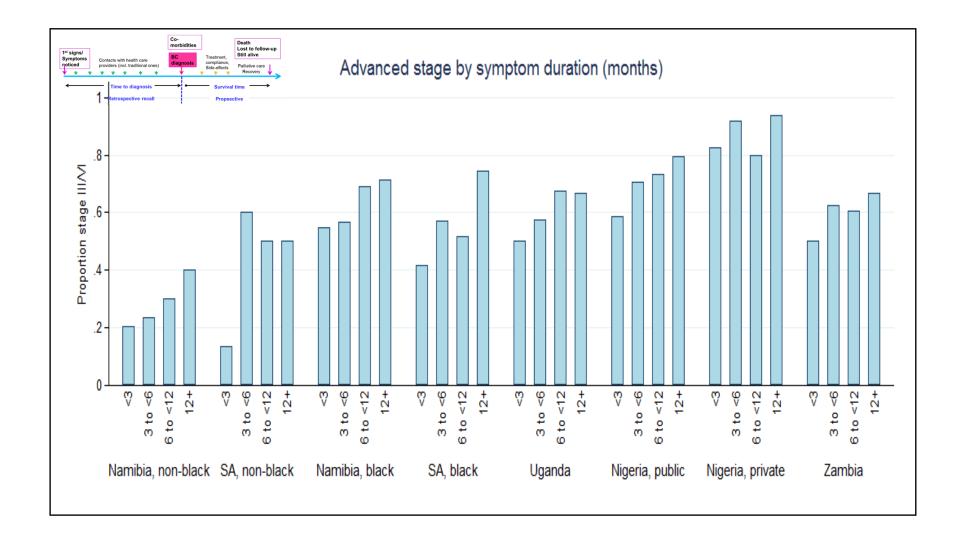
• Pregnancy in the past 3 y*: 1.6 (1.2, 2.3)

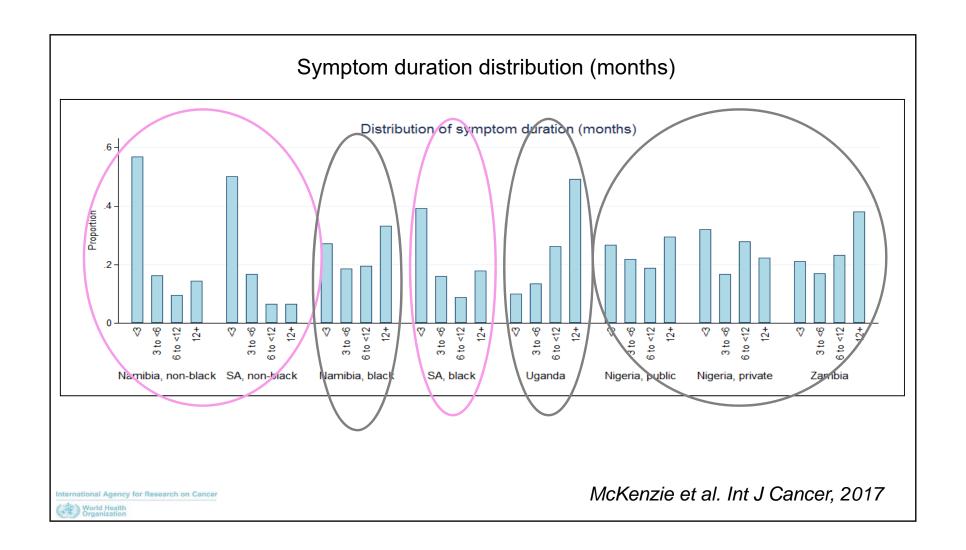
• 1+ yr symptom: 2.5 (1.9, 3.2)

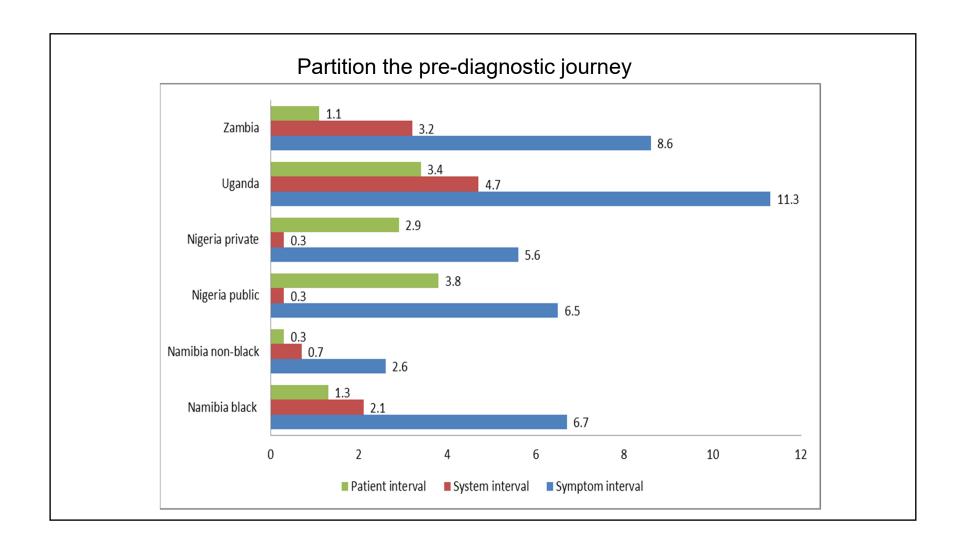
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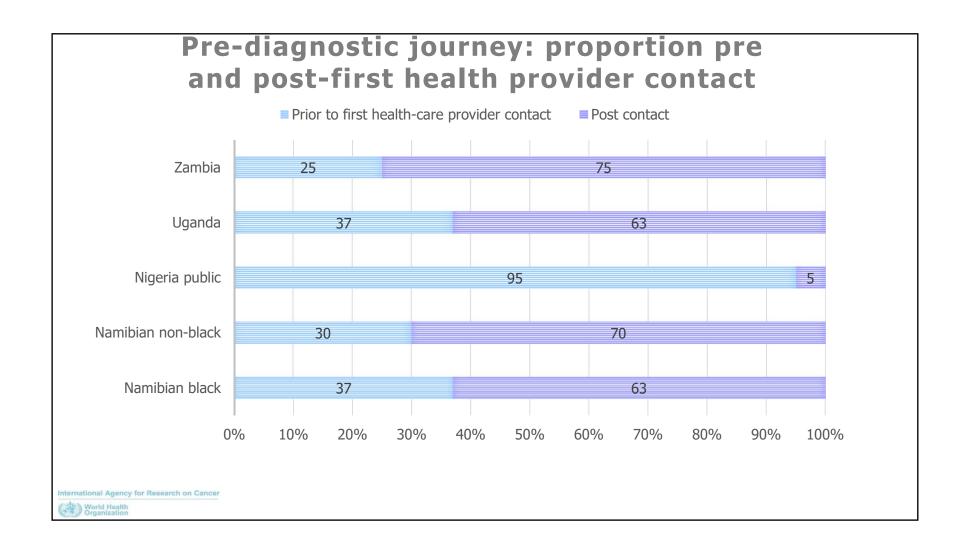
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*30% of ≤45 year olds









Summary

- Late stage at diagnosis causing EXTREMELY low survival.
- Between-country between-women differences show downstaging is possible.
- Women know retrospectively symptoms were present and many acted.
- TIME is a major problem delays by women and post-health care contact. Low SEP, lack of awareness, transport, rurality, finances causing delays.
- TIME is on our side.



Thanks

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Share of young people (aged 15-24) with knowledge on HIV prevention, 2016
Share of young people of both sexes, aged 15-24 years old, who could answer a full set of questions on HIV

Goals and Metrics

- Monitor stage at diagnosis
 - Measurement tools available. How to collate data?
- Improve breast cancer awareness
 - Repeated surveys; DHS
 - Identify most vulnerable groups and feedback to awareness campaigns
 - Provide standardized tools? BCAM (CRUK) No data 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 1000
 - Is an international tool possible?
- Time? Symptom duration < x months? Seek help within x months? Referral times?

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Thanks! Asante! Merci! Kea leboha hahoolo!

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