



Global Summit on International Breast Health and Cancer Control:

Improving Breast Health Care through Resource-Stratified Phased Implementation

Clinical Pathways for Early Diagnosis

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INEN (Peru)



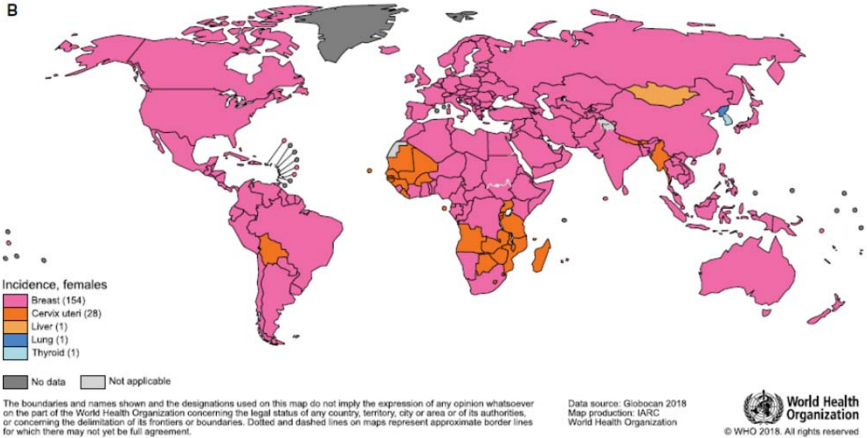
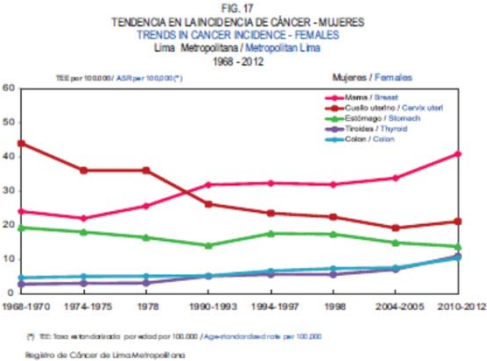
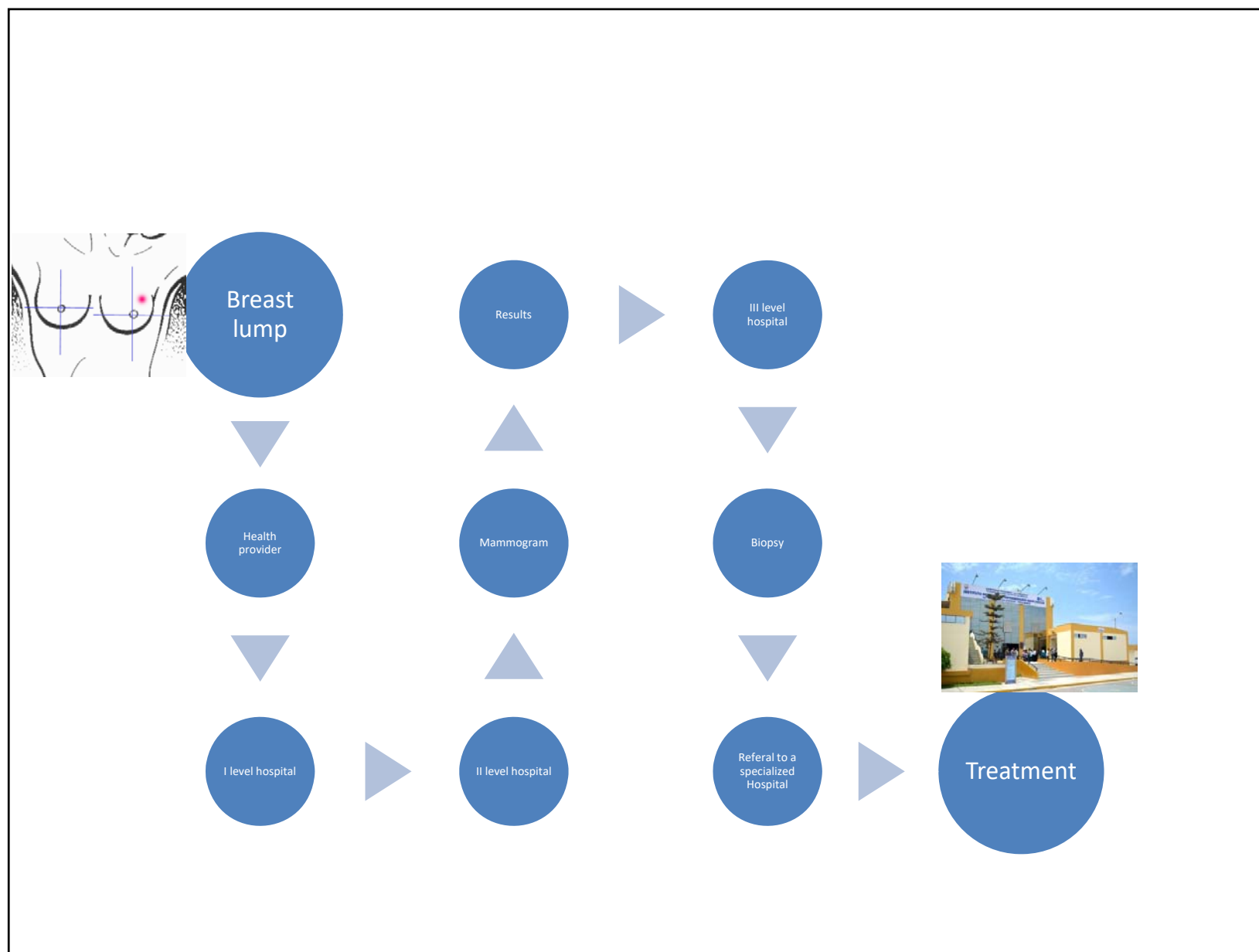


FIGURE 5. Global Maps Presenting the Most Common Type of Cancer Incidence in 2018 in Each Country Among (A) Men and (B) Women. The numbers of countries represented in each ranking group are included in the legend. Source: GLOBOCAN 2018.

Global Cancer Statistics 2018: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries

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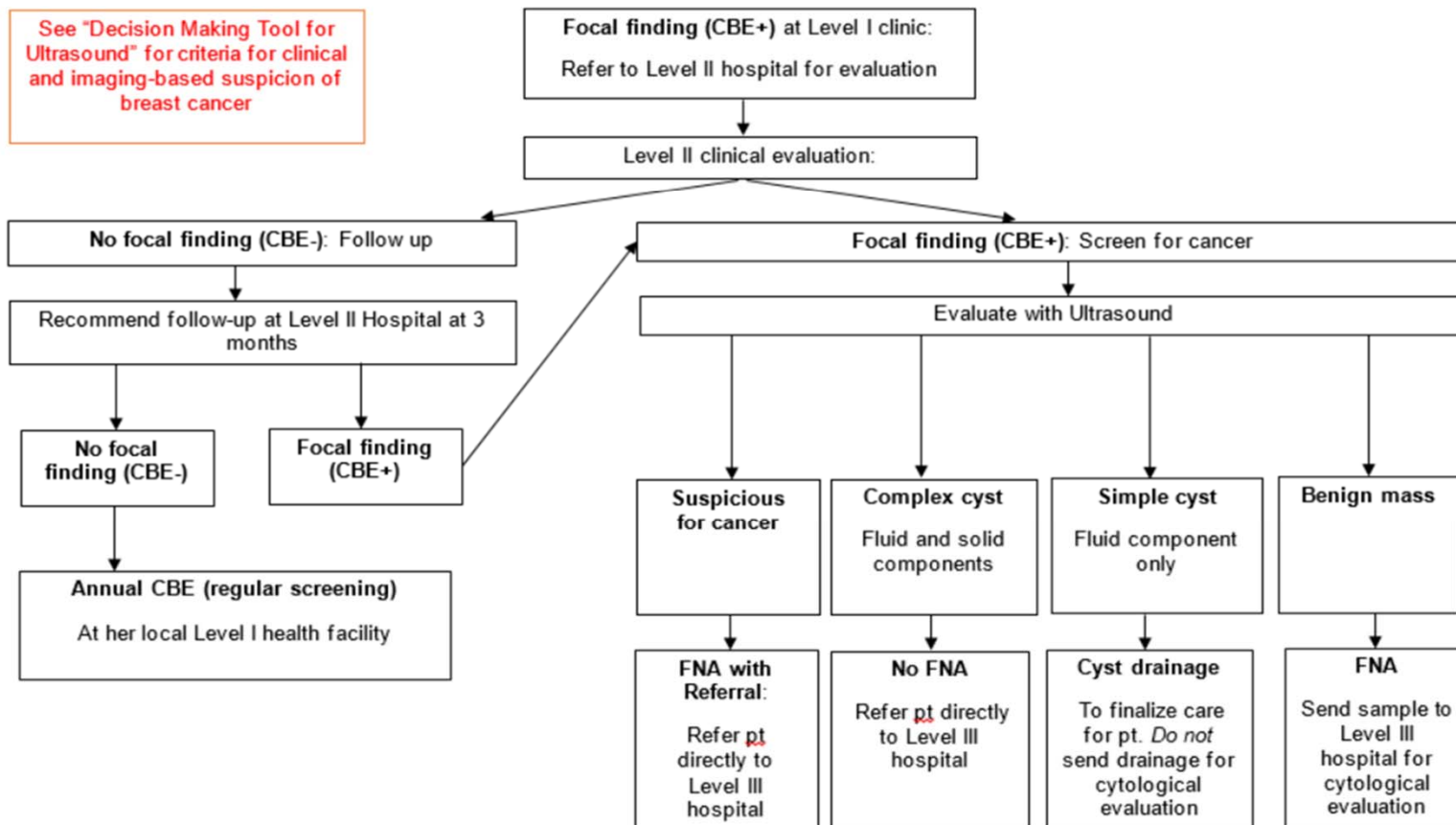
- La Libertad: women at risk (50-69 yo.): 96,008
- Mammograms machines: 4
- Operative Mammograms machines: 2

Level 1 Components of early detection model in Trujillo - Peru

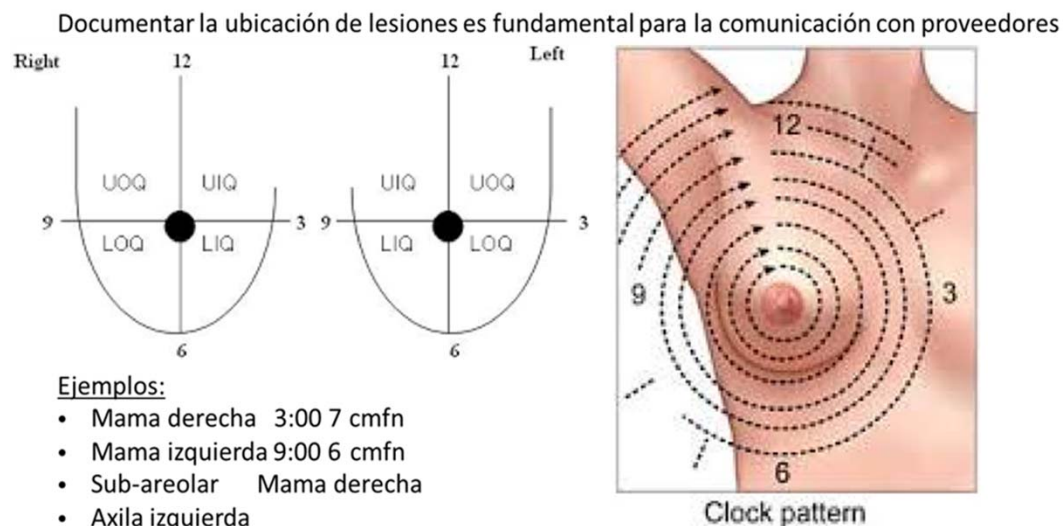


- Health life promotion
- Breast Cancer risk
- Clinical Breast Exam
- Former health workers
- Evaluation
- Follow up

Triage with Ultrasound for Patients with Positive CBE



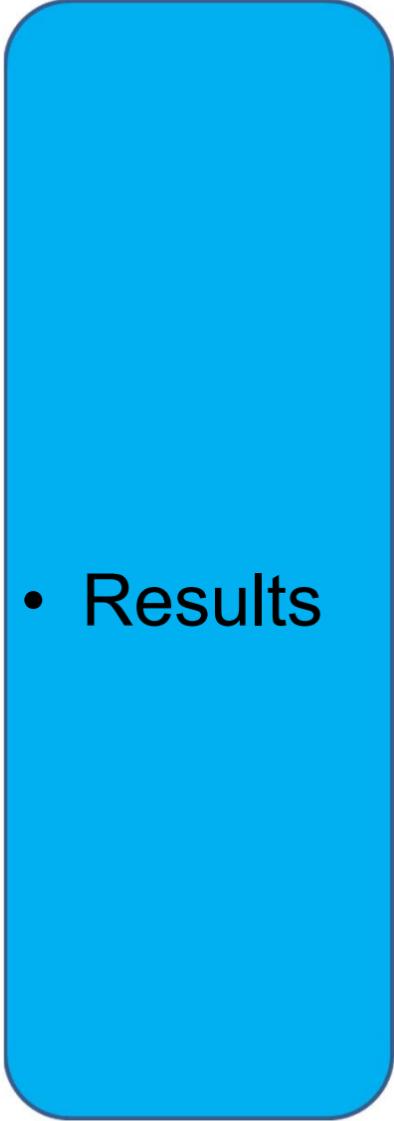
• Training Manual



A. Hallazgos				C. BIRADS Y RECOMENDACIONES	
<input type="checkbox"/> Masa	Forma:	Margen:	Ecogenicidad:	<input type="checkbox"/> 0: Requiere imágenes adicionales	
	<input type="checkbox"/> Redondo/oval	<input type="checkbox"/> Delimitado	<input type="checkbox"/> Hiperecoico	<input type="checkbox"/> 1: Negativo - Seguimiento clínico	
	<input type="checkbox"/> Irregular	<input type="checkbox"/> No delimitado	<input type="checkbox"/> No hiperecoico	<input type="checkbox"/> 2: Benigno - Seguimiento clínico	
<input type="checkbox"/> Hallazgo normal				<input type="checkbox"/> 3: Probablemente benigno - Seguimiento corto plazo	
<input type="checkbox"/> Caso especial	<input type="checkbox"/> Quiste	<input type="checkbox"/> Ganglio linfático		<input type="checkbox"/> 4: Sospechoso - BAF	
	<input type="checkbox"/> Necrosis graso	<input type="checkbox"/> Galactoceles		<input type="checkbox"/> 5: Altamente sospechoso-BAF	
	<input type="checkbox"/> Infección				
B. Ubicación					
<input type="checkbox"/> Derecha		Posición esfera de reloj: _____			
<input type="checkbox"/> Izquierda		Distancia del pezón: _____ cm			
<input type="checkbox"/> Axilla		Tamaño: _____ cm			
<input type="checkbox"/> Subareola					

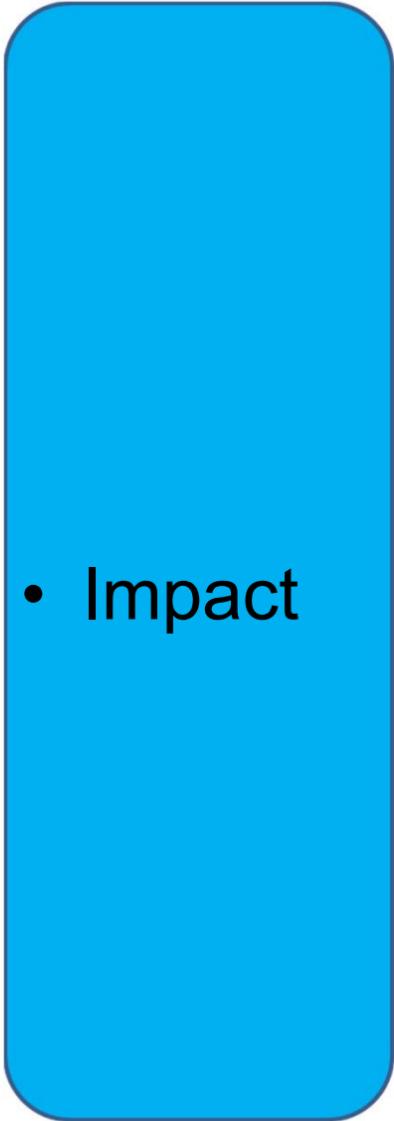
• Decision Making Tool for Ultrasound

ASSESSMENT	Clinical breast exam finding: <input type="checkbox"/> Normal (no mass) <input type="checkbox"/> Suspicious for cancer <input type="checkbox"/> Apparently benign <input type="checkbox"/> Highly suspicious for cancer Interpretation: <input type="checkbox"/> No focal findings on CBE <input type="checkbox"/> Focal findings on CBE	Breast ultrasound finding: <input type="checkbox"/> Normal tissue <input type="checkbox"/> Mass <input type="checkbox"/> Cyst <input type="checkbox"/> Infection <input type="checkbox"/> Lymph node <input type="checkbox"/> Fat necrosis <input type="checkbox"/> <u>Galactoceles</u> Interpretation: <input type="checkbox"/> Suspicious for cancer on US <input type="checkbox"/> Other/Not suspicious for cancer on US: <input type="checkbox"/> Cyst <input type="checkbox"/> <u>Cyst+Solid</u> Component <input type="checkbox"/> Benign Mass
PLAN	Clinical plan prior to any ultrasound: <input type="checkbox"/> Follow-up at 3 months <input type="checkbox"/> Local ultrasound recommended <input type="checkbox"/> Refer directly to cancer hospital, with counter-referral sought at 1 month	Clinical plan after ultrasound: <input type="checkbox"/> FNA drainage • Bloody drainage: <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> FNA sampling of mass <input type="checkbox"/> Refer directly to cancer hospital



- **Results**

- Midwives trained on Breast Health: 224
- Medicine Doctors: 15
- FNA Medicine Doctors: 2
- Medicine Doctors working on Breast Health: 7



- **Impact**

- Women at risk: 96,008
- Screening program:
16,290 (16%)
- US intervention: 284
- FNA : 36
- Breast Cancer: 13
- BC referred: 13



- Diffusion
- Replica
- Waterfall effect

- Thanks to:
 - Regional Cancer Institute (IREN – Norte)
 - Breast Health Global Initiative (BHGI)



