Appendix 2. Data extraction Title,Author,Year of publication	Cancer type	Setting Country	Data collection timeframe	Participants	size and	Patient factors	Distance from hospital	Reasons for delay and outcomes
Impact of Essential Medicine Stock Outs on Cancer Therapy Delivery in a Resource-Limited Setting, Yehoda M. Martei, 2019	cervical breast prostate esophageal lung uterine ovarian colorectal head and neck cancers Kaposi sarcoma	Hospital Botswana	1st January 2016 to 31st December 2016	Patients	design 286 Retrospec tive cohort	Male 77 Female 180 Unknown 29<65yrs =217 > 65yrs=61 Unknown =8		-each week of stock out was strongly associated with a suboptimal therapy delivery event ALIOR, 1.81; 95% CJ, 1.62 to 2.02). -Every week of stock out duration was associated with an almost two-fold increased risk of a suboptimal therapy delivery event (OR, 1.9; 95%CJ, 1.7 t. 2.13; P.001). - Patients receiving treatment regimens for colon (OR, 6.34;95% CJ, 3.11 to 12.9P, 0.01) or rectal cancer (OR, 7.07;95% CJ, 1.83 to 27.3-Pe004) were at the highest risk of an event after adjusting for stock out, whereas those with prostate cancer were less likely than their counterparts to experience a suboptimal therapy delivery event (adjusted OR, 0.24;95% CJ, 0.08 to 0.79;Pe-019] 1:108876-The measured exposure was chemotherapy stock out, quantified as the duration of chemotherapy stock out within a cycle intervalStock-out duration was calculated by counting the days from the date the drug was out of stock to the date it was recorded as being back in stock. -The primary outcome, suboptimal therapy delivery, was defined as any of the following events: any dose reduction, at least 1-week delay in receipt of therapy, any missed dose, and any switch in intended therapy. - A majority of the patients with stage information had either stage II or V disease. Of patients with known intent of treatment, 51% were receiving curative regimens and 49% were receiving noncurative regimens-chemotherapy stock outs.
Rhine K Bhatia 2018	All cancers Cervical 90 (42.3%) Breast Breast 34 (16.0%) Head and neck 15 (7.04%) Head and neck 16 (6.7%) Findometrial 7 (3.3%) Findometrial 7 (3.3%) Fenile 5 (2.4%) Formation 5 (2.4%) Lymphoma 3 (1.4%) Prostate 1 (0.5%)	Hospital Botswana	December 2015 - January 2017	Patients	aire	not stated not stated single 12 (629%) Married 47 (22.4%) Serious or live-in 16 (7.7%) Separated/ widowed 15 (7.1%) None 22 (16.2%) Primary 9 (34.1%) Secondary 70 (40.5%) Tettiary or above 16 (9.3%) Women 173 (81.3%) Men 41 (19.2%) median age of 46 years (21.95 years)	5-50 km 67 (32.7) cm 61 (29.8) cm 61 (29.8) 34 (16.6) -300 km 34 (16.6) -300 km 43 (30.0)	English literacy. Can read in English, p=0.042 OR 2.32; Cancer diagnosis site: Breast p=0.017 OR 3.72; Head and neck p=0.017 OR 93.73Pt-dominantly female cancer p=0.015 OR 0.452; Relationship status: separated/widowed p=0.032 OR 0.340prisals delay; Female see p=0.032 OR 0.452 (Sociation level; primary schooling p=0.057 OR 0.357 OR 1367; Distance from PMH (20-1400 km) p=0.056 OR 2.5; Cancer diagnosis site Kaposi sarcoma p= 0.00 DR 9.77; Penile cancer p=0.029 OR 8.34; Symptom severity A little serious p=0.001 OR 0.14; Very serious p=0.020 OR 0.402Predominantly female cancer p=0.005 OR 0.4; Selps-stein gelay No. of family members: 4-10 p=0.03 OR 0.3145; Symptom severity: very serious p=0.012 OR 0.384; Cancer diagnosis site: Vulvar p=0.055 OR 2.37; Raposi sarcoma p=0.011 OR 4.088eliefs: - declining treatment; getting cancer is part of God's plan p=0.0416 - 28/115 (2.74%) Appraisal - see, p=0.035 male 16 (33%); Female 39 (12.5%); serious p=0.0460 and be 16 (33%); Female 39 (12.5%); serious p=0.0460 and be 16 (33%); Female 39 (12.5%); a little serious 4 (10.3%) in orderately serious 5 (21.7%); serious 5 (23.8%) very serious 19 (24.7%) Oscophageal 2 (40%) Kaposi sarcoma 9 (64.3%) Endometrial 2 (26.6%) Prostate 0 - age, p=0.0496 Fears - Scared of telling people that 1 am sick, p=0.006 4/213 (0.212%) - Scared of surgery p=0.0415 8/206 (0.378%) - Scared of surgery p=0.0415 8/206 (0.378%) - Scared of other therapy p=0.0339 12/213 (0.420%) - Scared of death p=0.0169 13/213 (0.329%) - Scared of death p=0.0169 13/213 (0.329%) - Scared of death p=0.0169 13/213 (0.329%)
Botswana Chidinma Anakwenze 2018	Response rate 99.53% n=220. cervical 90 breast 32, head and neck 42, vulvar 15, kaposi sarcoma 14, endometrial 7,penile 6, anal 5, esophageal 5,lymphoma 3 prostate 1	Hospital Botswana	December 2015 to January 2017	Patients	214 Questionn aire	Single early 41 (19.5%) late 40 (19.0%) unknown 51 (24.3%) late 40 (19.0%) unknown 51 (24.3%) late 40 (19.4%) late 12.4 (11.4%) late 24 (11.4%) late 24 (11.4%) late 24 (11.4%) late 41 (1.9%) stage 1 (0.5%) Disorced/separated/widowed early 3 (1.4%) late 61.29%) late (2.9%) NO formal education early 61.34%) late 14 (16.3%) unknown 11 (6.3%) unknown 11 (6.3%) unknown 11 (6.3%)	5-50 km early 15 (7.3%) late 2arly 15 (7.3%) late 29 (14.1%) unknown =23 (11.2%) 51-200km early 20 (9.7%) late 19 (9.2%) culture 102 (10.7%) 201-400km early 12 (5.8%) late 14 (9.2%) early 12 (5.8%) late 14 (9.2%) early 91 (4.4%) late 14 (9.2%) unknown 15 (7.3%) > 400 early 91 (4.4%) late 19 (9.2%) unknown 15 (7.3%) Unable to locate village unknown 1 (0.5%)	- not afraid of having cancer OR, 3.48; P < .05 - no family to care during treatment OR, 6.35; P = .05 - could not afford to develop cancer (OR, 2.73; P < .05) - belief use of contraceptive pills or injections causes cancer OR (0.72 P=0.02) - belief use of contraceptive pills after menopause can cause cancer OR (0.96 p=0.01)-Transportation problems; - Dependent on others for transportation
Factors associated with delays to surgical presentation in North-West Cameroon Chao Long 2015	-skin -breast -colorectal -gynecologic -anal	Hospital Cameroon	23rd June2014 - 5th August 2014	Patients	220 Other: cross sectional	-less than primary school completed 37(16.8%) completed primary school completed primary school 115 (52.3%) -secondary school on higher education completed 68 (30.9%)134 Males 86 females -cancer cohort had 19 males and 40 females 15 to 20 ys 4 21 to 29 ys 7 3 00 to 39 ys 7 400:40 ys 8 50 to 59 ys 13 60 to 59 ys 13 60 to 69 ys 13 70 to 79 yrs 5 80+ yrs 1		-thought another health care provider could provide adequate or better care -Lack of knowledge about MBH hospital -cost of hospital feese -need for first aid/emergency care at the nearest facility -in-ability to participate in care decisions due to mental state -transportation -inability to ratke time from work/commitments -belief that they were not sick enough -belief that they could treat themselves
Late-Stage Diagnosis and Associated Factors Among Breast Cancer Patients in South and Southwest Ethiopia: A Multicenter Study Aragaw Tesfaw 2020	Breast	Regional Ethiopia	January 2013 - December 2017	Patients	tive	not stated not statednot statednot statedMale 28 (6.6%) Female 398 (93.4%)mean 42.78 +/-	not stated	- breast lump or mass as the chief complaint were 3 times more likely to be diagnosed with late-stage disease than those who did not (AOR= 3.01; 95% CI, 1.49-6.07)late-stage disease: -rural communities 224 patients (75%), urban areas 85(28%) -female patients (74.4%), male patients 46.4% -long patient delay 240 patients (77.2%) -long patient delay 240 patients (77.2%) -long total delay vs short total delay (77.4% vs. 67.3%, respectively,P<.05)not statednot statednot stated
Factors associated with delayed diagnosis of cervical cancer in tikur anhesa specialized hospital, Ethiopia, 2019: Cross-sectional study Shegaw Zeleke 2021	Cervical	Hospital Ethiopia	not stated	Patients		13.4 Farmer 132 (44.4 %) Governmental 27 (6.6%) Private 5 (13.2%) Private 5 (13.2%) Private 5 (13.2%) North 13.2 (13.9%) not stated/Married 285 (69.5%) Single 11 (2.7%) Dovorced 36 (8.8%) Widowed 78 (11.9.0%)Cannor read and write 205 (50%) 100% Femalemean age 50 years (+/-11.5)	<100 km 106 25.9% >100 km 304 74.1%	not statednot statednot statednot stated. Accept as cancer cannot heal - Go to traditional healers - Officulty of decision - Can be healed by itself - Given priority for other diseases - Embarrassment - Unawareness of cervical cancer health service access

Delayed initiation of adjuvant chemotherapy among women with breast cancer in Addis Ababa, Ethiopia Alem Gebremariam 2021	Breast	Regional Ethiopia	January 2017 - December 2019	Patients	Retrospec tive review and interview s	Homemaker 102 (45.7%); (45.7%); (45.7%); (45.7%); (26.7%)	not stated	- the risk of delay was significantly higher among women with lower monthly family income, p=0.002 - Women with a monthly income of USS-610 had a three times higher risk of delay (RR-9.38; 95% CI 1.67-9.46) compared to those women with a family monthly income of USS-194Not statedNot st
Adherence to Newly Implemented Tamosifen Therapy for Breast Cancer Patients in Rural Western Ethiopia Christian Felix Rebold 2020	Breast	Hospital Ethiopia	January 2010 - December 2015	Patients	aire and interview s	Housewife 28 (57%) Farmer 17 (35%) Student 1 (2%) Other 3 (6%) not statedMarried 38 (93%) Not married 3 (7%) Literate (n = 38), No 31 (77%) Yes 9 (23%) 100% femalemean 45 years (35-51)	not stated	not statednot statednot stated. lack of consent – problems on the health care provider side (12; 48%) where patients had not been given an appointment (n = 9), the physician was absent (n = 2), and other (n = 1). - Reasons on the patient side (13; 52%) included lack of money (n = 2), too weak to travel (n = 1), fear of treatment (n = 1), and private reasons (n = 1). - No information was available for 8 patients. not statednot stated
Factors associated with advanced stage at diagnosis of cervical cancer in Addis Ababa, Ethiopia: A population-based study Nebiyu Dereje 2020	Cervical	Regional Ethiopia	to 30th June 2018	Patients	notes	<3200 ETB =142 (67.5%) monthly >3200 ETB =69(32.5%)- No formal education 86 (40.6%) -ves formal education 126 (59.4%) Female =212-40 yrs=42 (19.8%) 40-59 yrs=103 (48.6%) >60 yrs =67 (31.6%)		Religious practices/Did nothing APR=1.25, 95% CI : 1.05 to 1.53, p.0.02 visited 3 different healthcare facilities prior to diagnostic confirmation APR=1.24, 95% CI : 1.08 to 1.91 p=0.01 - Out of pocket medical expenses APR 1.44 (1.08-1.91), p=0.003not stated -visiting more than three different health care facilities before diagnostic confirmation-medical expenses -not going to facility immediately after symptom recognition
Extent and predictors of delays in diagnosis of cenvical cancer in Addis Ababa, Ethiopia: A population-based prospective study Nebiyu Dereje 2020		Regional Ethiopia	to 30th June 2018		aire	-Housewife =114 (c6.23%) -Government employed =29 (12.6%) -Frivately employed = 224 (10.9%) -Merchant =10 (4.3%) -Daily labore =13 (5.6%) -Other 4 (1.7%) Family income per month c600 ETB =35 (15.2%) -01her 4 (1.7%) Family income per month c600 ETB =35 (15.2%) -01her 4 (1.7%) Family income per month c700 ETB =35 (15.2%) -02 (2.6%) -03 (2.6%) -03 (2.6%) -03 (2.6%) -03 (2.6%) -04 (2.6%) -05 (2.6%		The odds of diagnostic delays: - contacted primary-level health facilities (health centers and private clinics as compared to contacted secondary- or tertiary-level health facilities (AOR, 2.6; 95% CJ, 1.33 to 5.27) patients who visited, - addifferent health facilities for their cancer diagnosis as compared to those who visited, < 4 different health facilities (AOR, 2.7; 95% CJ, 1.07 to 6.71) patients who made 5 visits to health facilities before receipt of histologic diagnostic confirmation compared to those patients who made 5 visits to health facilities before receipt of histologic diagnostic confirmation compared to those patients who made 5 visits to health facilities health seeking: - never heard of recrucial cancer here diagnosis (adjusted OR AOR), 2.3; 95% CJ, 1.11 to 4.70) - valited until they saw additional symptoms (AOR, 2.3;95% CJ, 1.09 to 4.90) - valited until they saw additional symptoms (AOR, 2.3;95% CJ, 1.09 to 4.90) - valited until they saw additional symptoms (AOR, 2.3;95% CJ, 1.06 to 4.90) - valited until they saw additional symptoms (AOR, 2.3;95% CJ, 1.46 to 7.48) - Not bothered about first symptom 16 (2.9 6%) - Not bothered about first symptom 16 (2.9 6%) - Misinterpretation (not aware) of symptoms 14 (2.5 9%) - Alshamed to tell ampone about symptoms 10 (18.5%) - Not knowing which health facility to visit 8 (14.2%) - Thought it readinent would be expensive 3 (5.5%) - Thought religious activities would cure problem 5 (9.3%)
Socio-economic and cultural vulnerabilities to cervical cancer and challenges faced by patients attending care at Titus Anbessa Hospital: A cross sectional and qualitative study Sara Kebede Tadesse 2015	cervical	Hospital Ethiopia	15 April - 15 May 2013		aire and interview	Housewife 78 (39.4%) Farimer 73 (36.9%) Government 13 (6.6%) Merchant 12 (6.1%) private for profits sector 9 (4.5%) Pensioner 8 (4.0%) Pensioner 8 (4.0%) NGO 1 (0.5%) Temp worker 1 (0.5%) Temp worker 1 (0.5%) Temp worker 1 (0.5%) 1,000 - 1,499.99 77 (42.8%) 1,500 - 1,999.99 19 (10.6%) Married 101 (1.5%) Married 101 (1.5%) Married 101 (1.5%) Separated 19 (9.6%) Decorded 8		not statednot statedong waiting timemisdiagnosisnot clear
Patient delay and contributing factors among breast cancer patients at two cancer referral centres in Ethiopia: A cross-sectional study Aragaw Tesfaw 2020	Breast	Regional Ethopia	September 2019 to April 30 2020	Patients	371 Questionn aire	Housewife 215 (Sp.07) Farmer 94 (25.3%) Government employer S2 (14.0%) Other 10 (2.7%) not statedMarried 298 (80.3%) Single 73 (11.07%) lingle 73 (11.07%) lingle 73 (12.7%) lingle 73 (12.7%) lingle 73 (12.7%) lingle reduction 153 (36.7%) Formany education and above 82 (22.1%) 100% femalemedian 40 (30-70), Mean 643 (22.1%) 100% femalemedian 40 (30-70), Mean 643 (22.4%) 440 288 (77.6%)	c5 km 163 (43.9%) > 5 km 208 (56.1%)	not stated-more than 5 km travel distance (AOR=1.66; 95% Cl=1.09-3.00)- rural residence (AOR=3.72; 95% Cl=1.82-7.AF2561). - Illiterate vomen (AOR=3.8): 50% Cl=1.71-8.64). - painless vound (AOR=3.22; 95% Cl=1.39-5.72). - no Impro/welling in their amplit (AOR=6.15; 95% Cl=2.80-13.54). - no previous breast problem (AOR=2.46; 95% Cl=1.43-4.22)not statednot stated- Lack of awareness about early symptoms 345 (92.9%). - Relating symptoms with other medical problems 13(3.5 k%). - Belief that breast cancer has not any medical treatment 88 (23.7%). - Use of traditional and spiritual treatment options 286 (77.1%).

Why do breast cancer patients report late or abscond during treatment in Ghana? A pilot study. J. Clegg-Lamptey 2009	breast Breast cancer	Hospital Ghana	September 2007 – July 2008	Patients	aire	Single new patients 13 (19%), defaulters 2 (5.7%). Addressed 36 (5.7%), defaulters 32 (5.7%). Advanted patients 38 (5.7%), defaulters 32 (88.5%). Divorced/separated new patients 13 (8.5%). defaulters 12 (8.8%). defaulters 2 (18.2%) efaulters 2 (18.2%) efaulters 15 (18.3%). Primary new patients 15 (12.7%), defaulters 5 (14.3%). Primary new patients 15 (2.7.%), defaulters 5 (14.3%). Primary new patients 18 (2.7.3%). Tertiary new patients 18 (2.7.3%). Tertiary new patients 18 (2.7.3%). defaulters 10 (13.3%) defaulters 11 (13.		Defaulters - fear of mastectomy 20 (57.1%), - Herbal treatment 13 (37.1%), - Herbal treatment 13 (37.1%), - Prayers and Prayer camps 10 (28.6%), - Chinese medication 5 (14.3%), - Observing 3 (8.6%) - Utcler healed. Thought disease was healed 2 (5.7%), - Had complete clinical response 2 (5.7%), - Side effects of drugs 1 (2.9%) - Pressure from in-laws to refuse mastectomy 1(2.9) - Pressure from in-laws to refuse mastectomy 1(2.9) - Father refuse treatment 1 (2.9%), - family commitments (2.9%), - sample commitments (2.9%), - sample commitments (2.9%), - supported treatment at 1 (1.9%), - Financial incapability - New patients - New patien
in diagnosis of breast cancers in Ghana, West Africa Louise Brinton 2016		Ghana			aire	(20.8%) 40-44 158 (13.3%) 45-49 188 (15.9%) 50-54 167 (14.1%) 55-59 150 (12.7%) 60-64 113 (9.5%) 65-69 63 (5.3%) >70 = 95 (8.0%) Unknown = 4 (0.3%)		1.31,Ais.40)low education having an OR of 2.11 (95% C1.47-3.04) -(dovcred/speared OR 1.65 (1.15-2.37) or windowed women OR 2.16 (1.42-3.28) -(Consulting a traditional healer and using traditional medication
Financial barriers related to breast cancer screening and treatment: A cross-sectional survey of women in Kenya Sulpha Subramanian 2019	Breast	Regional Kenya	November 2017 to April 2018	Patients	Questionn aire	with B C 132 without B C 258 - Never married: With B C 44 Mithout 79 -Married [Iving together: With B C 244 without 226 -Dworced / Separated: With B C 344 without 226 -Dworced / Separated: With B C 364 without 63 -Midowed: With B C 41 without 61 -Missing: With B C 41 without 62 -Primary: With B C 136 Without 61 - Primary: With B C 136 Without 10 - Collegeds: With B C 70 Without 10 - Collegeds: With B C 70 Without 10 - University-With B C 70 - Without 10 - University-With B C 70		Cost of going to the doctor 46.3% -Inability to discuss symptoms confidently 10.0% -Difficulties setting up appointment 9.5% -Fear of wasting the doctor's time 8.3% -Transportation barriers 23.3% -Transportation barriers 23.3% -Bossproval of family and friends 3.8% -Embarrassment 6.5% -Fear of what the doctor might find 19.3% -General fear of the doctors visit 19.3%
Patient factors affecting successful linkage to treatment in a cervical cancer prevention program in Kenya: A prospective cohort study Charlotte M Page 2019	cervical cancer		February - October 2018	Community	505 Other: prospectiv e cohort	3.2 without 26 No 214(42%) Yes 291(58% not statedNot partnered 132(27%) Partnered 366 (73%) Primaryschool or less 428 (85%) At least some secondary 77 (15%) 100% femalemedian 33 (27- 42)	8 km (5-12)	not stated- primary school education or less - women who did not miss work to come to CHC not statednot statednot stated
Prevalence and Capacity of Cancer Diagnostics and Treatment: A Demand and Supply Survey of Health-Care Facilities in Kenya Francis W Wambalaba 2019	Cervix, Breast, Esophagus, Prostate, Ovary, Colon, Thyroid, Lung, Liver	National Kenya	November 2013 - February 2014	Other: Patients and adminstrato rs	Other: - patient	not stated not statednot statednot stated Female 57% Male 43% Female 52 years Men 62 years	not stated	not statednot stated-preventive services limited not statednot stated
Delayed presentation of breast cancer patients. E.S. Otieno 2010	Breast	Hospital Kenya	1 October 2003 to 31st March 2006	Patients		98.8% femalemean age 47, age range 17 to 88		Reassured that their condition was benign by the first medical personnel they visited 40 (24.1% cumulative %24.1)-Painless symptomatology 30 (23.5%, cumulative% 47.6) Not aware of the disease 13 (7.8%, cumulative % 84.9) -Worried they would be diagnosed with cancer 33 (19.9%, cumulative % 67.5) -Attending to traditional healers and taking herbal preparations 16 (9.6% cumulative % 77.1)
Health system organisation and patient pathways: breast care patient; rejectories and medical doctors; practice in Mali Kirsten Grosse Frie 2019	Breast	Regional Mali	1 January 2016 - April 2016	Patients and clinicians	aire	Housewife 55 (44.4%); 74.7% (44.4%); 74.7% (44.4%); 74.7% (44.4%); 9 (7.3%); 32 (25.8%) not statedMarried 83 (66.9%) (56.9%) (7.5%); 32 (16.1%) (66.9%) (7.5%); 32 (16.1%) (7.5%)	not stated	-community healthcare centres and private clinics first contact r/s-itawing someone in the family with breast cancer was also associated with a delay of >6 months in acknowledging breast symptoms (pc/0.028). Anotheridge about breast n/a-no health insurance - traditional healer

Geospatial barriers to healthcare access for breast cancer diagnosi in sub- Saharan African settings: The African Breast Cancer, AlDisparities in Outcomes Cohort Study Kayo Togawa 2020	Breast 85	Hospital Namibia Nigeria Uganda Zambia	September 2014 - September 2017	Patients	Interview	not stated not stated/mary school or less 681 (45%) Secondary/high school 509 (34%) Technical/university 328 (22%)100% womenmean 50 years (+/- 13 19-97) Not stated <n9000< th=""><th>not clear</th><th>not stated - nural residence OR:1.40, 95% CI: 1.06-1.84 - distance (OR per 50 km increment OR = 1.04, 95% CI: 1.00-1.09, P 0.048not stated-Cost of diagnostic tests/treatment - Transport - Hospital too far - Difficulty with making an appointment or reaching doctor - Other colligations/no permission from family member - Embarrassment - Pain or discomfort - Fear of dying/treatment - No trust in medicine/prefer traditional healer - Systemic delay x2 8.1 pio 0.0174-Patient delayy2 8.5pio.0.363</th></n9000<>	not clear	not stated - nural residence OR:1.40, 95% CI: 1.06-1.84 - distance (OR per 50 km increment OR = 1.04, 95% CI: 1.00-1.09, P 0.048not stated-Cost of diagnostic tests/treatment - Transport - Hospital too far - Difficulty with making an appointment or reaching doctor - Other colligations/no permission from family member - Embarrassment - Pain or discomfort - Fear of dying/treatment - No trust in medicine/prefer traditional healer - Systemic delay x2 8.1 pio 0.0174-Patient delayy2 8.5pio.0.363
Stage Presentation in Women with Breast and Cervical Cancers in Lagos University Teaching Hospital, Nigeria. Opeyemi Awofeso 2018	Cervical 20	Nigeria			Questionn	57 (54.3%) 19001-118,00 24 (22.9%) 118,001-150,000 15 (14.3%) 150,001-150,000 7 (5.7%) 190,001-1150,000 1 (1.0%) 190,001-1150,000 1 (1.0%) 110,000 1 (1.0%) 11	30 min-1h 23 (219%) 1-2 h 26 (248%) >2 h 53 (50.5%)	-Misdiagnosis at lower levels of health care χ 7.11 p=0.0077 -Delayed investigation time χ 1.48 Bp=0.0001 -Ignorance and lack of personal initiative χ 2.507 p= 0.0243 -unavailability of appropriate treatment modality-investigation time at first contact -misdiagnosis at lower levels-ignorance and lack of personal initiative -preference for alternative medicine -fear -myths and misconceptions
Effect of Sociodemographic Variables on Patient and Diagnostic Delay of Breast Cancer at the Foremost Health Care Institution in Nigeria. Sunday O Olarewaju 2019	breast	Hospital Nigeria	August - October 2018	Patients	aire	Unemployed 124 (45.1%) Employed 151 (56.93%) -13.000 99 (36%) (158.000 176 (64%)Single 12 (4.4%) (Married 193 (70.2%) (Diocred/separated 19 (6.93%) (Diocred/separated 19 (6.93%) (Midowed 51 (18.5%)Primary 46 (16.7%) (16.5%) (16.5%) (16.1%) (16.5%) (16.1%) (1		not stated marital status pr0.00-Age pr0.023 -ethnicity pr0.024 -marital status pr0.009High cost of medicine 71 (73.2%)Obligations at home 77 (91.7%) High cost of prediagnostic test 69 (82.1%) Earlier alternative treatment 66 (76.6%) High cost of transportation 13 (15.5%)Obligations at home 75 (77.3%) High cost of transportation 74 (76.3%) Stigma of disease 71 (72.2%) Fear of seeking medical adoke 69 (71.1%) Fear of seeking medical adoke 69 (71.1%) Fear of diagnosis 67 (72.8%) Fear of diagnosis 67 (72.8%)
Acceptance and adherence to treatment among breast cancer patients in Eastern Nigeria. Stanley N.C. Anyanwu 2011	breast	Hospital Nigeria	2004 to 2008	Patients	note	primary 215 (80%) high school/tertiary 168 (60%) females 273 male 2<30yrs 19 (6.9%) 30-39 yrs 74 (26.9%) 40-49 yrs 77 (28.0%) 50-59 yrs 50 (18.2%) >70 yrs 16 (5.8%)		- Declined any form of treatment 65 (37.6%) - Accepted single treatment modality 57 (32.9%) - Accepted single treatment modality 57 (32.9%) - Cost of drugs, laboratory expenses and transportation to the hospital No bed space - No relatives to care for them during treatment -distance Distance
Presentation intervals and the impact of delay on breast cancer progression in a black African population Olayide Agodirin 2020		Regional Nigeria	2018	Patients	Questionn	Not stated Not stated married 285 (68 %) widow 48 (11.5 %) single 23 (5.5 %) separat/discoved 7 (1.7389 %) unspecified 57 (133 %) iteritary 144 (24.3 %) secondary 124 (29.5 %) primary 3 (61.5.7 %) not specified 7 (1.7 %) 13.140 = 92 (2.6 .8 %) 13.140 = 92 (2.6 .8 %) 13.140 = 92 (2.6 .8 %) 13.140 = 92 (2.2 %) 15.60 = (92.2 %) 15.60 = (92.2 %)		The PC (median 106, 13-337) was significantly longer than the HSI (median 42, 7-150), Wilcoxon-Signed Rank test p= 0.0001.(paired t-test mean difference 401-442 days (5% Cl 55-186). Most respondents disclosed early within 30 days, 130 (81, 95% Cl 77-85) and consulted FHP within 60 days (230 (60, 95% Cl 35-63). Most respondents had long PC of > 30 days, 1-7 days in 91(25% (95% Cl 20-29), 1-30 days in 134 (36 95% Cl 31-41) and > 30 days in 237 out of 377(46 95% Cl 35-88). The SCI was > 90 days in 293 of 401 (73% (95% Cl68-77), 91-180 days in 70 of 401 (17% (95% Cl 14-22)and > 180 days in 226 of 401 (56% (95% Cl 31-25)). Most respondents with big (> 5 cm) tumors received correct advice compared to those with small tumors(Risk difference 5.5% (95% Cl 4.0-15). Na associations given-misdiagnosis -strike 4.0 (2-4%). Misdiagnosis/ investigations 46 (27-5%). Financial constraint 33 (13-7%). Financial constraint 33 (13-7%). Financial constraint 13 (15-7%). Financial constraint 18 (10-5%) ignorance 6 (3-5%). pregnancy/ lactation/ meropause 8 (4-6%). Hought being your financy class (1-2%). Integrating the constraint 18 (10-5%) ignorance 6 (3-5%). Integrating the constraint 18 (10-5%) ignorance 6 (1-5%). Lump only 2 (1-2%).
infrastructural challenges lead to delay of curative radiotherapy in Nigeria Jim Leng 2020	breast (37.5%), - cenvical (16.3%), - head and neck (11.5%) - prostate (10.9%)	Hospital Nigeria	June 2017 to August 2017	Patients	186 Questionn aire	None 37 (19.9%) Tradices 9 (19.9%) Tradices 9 (4.9%) Addison 29 (4.9%) Addison 29 (19.9%) Professional 38 Other 11 (5.9%) The median monthly income 15,000 naira (5.000 - 40,000) which connects to approximately 50 dollars per month. Married 162 (87.3%), Widowed 21 (5.7%), Widowed 21 (5.7%), Widowed 21 (5.6%) Disorced 10.5%) Separated 1 (10.5%) Newer married 10 (5.4%), Newer married 10 (5.4%) Nover amarried 10 (5.4%) Nover 30 (10.9%) Secondary 52 (28.3%), Vocational/technical 18 (9.8%)		Inability to pay time to clinic visit OR=1.99 (1.05 to 3.77) P=.034* Time to radiotherapy treatment OR=1.85 (0.95 to 3.57) Time to radiotherapy treatment p=0.69 Anability to pay time to clinic visit OR=1.89 (1.05 to 3.77) P=.034* Time to radiotherapy treatment OR=2.92 (1.54 to 5.53) P=.001* Whore strike into sixtic clinic OR=0.65 (0.38 to 1.33) P=.127 Time to radiotherapy treatment OR=2.81 (1.16 to 6.79) P=.022* Whore strike into visit clinic OR=1.88 (0.8 to 4.42) P=.147 Time to radiotherapy treatment OR=2.81 (1.16 to 6.79) P=.022* Sociocultural factors include: Lack of knowledge of appropriate medical facility, time to clinic visit OR 4.96 (2.41 to 10.21),P=c.001* time to radiotherapy treatment OR=1.75 (0.67 to 4.58) P=.238 Not wanting others to know of sickness time to clinic visit OR 3.63 (1.35 to 9.72) P=.011* Time to radiotherapy treatment OR=1.75 (0.67 to 4.58) P=.238 Tiried another treatment first, time to clinic visit OR 2.45 (1.26 to 4.76) P=.008* Time to radiotherapy treatment OR=1.50 (0.75 to 2.97) P=.248 Fear of treatment, time to clinic visit OR 0.90 (0.5 to 1.63) P=.732 time to radiotherapy treatment OR=1.00 (0.75 to 2.97) P=.048 For of treatment, time to clinic visit OR 0.90 (0.5 to 1.63) P=.732 time to radiotherapy treatment OR=1.00 (0.75 to 2.97) P=.038 Fear of treatment, time to clinic visit OR 0.90 (0.5 to 1.63) P=.732 time to radiotherapy treatment OR=1.00 (0.75 to 2.97) P=.038 Fear of treatment, time to clinic visit OR 0.90 (0.5 to 1.63) P=.732 time to radiotherapy treatment OR=1.90 (0.75 to 2.97) P=.248 Fear of treatment time to radiotherapy treatment OR=2.19 (0.75 to 2.97) P=.248 Fear of treatment time to radiotherapy treatment OR=2.19 (0.75 to 2.97) P=.248 Fear of treatment time to radiotherapy treatment OR=2.19 (0.75 to 2.97) P=.248 Fear of treatment time to radiotherapy treatment OR=2.19 (0.75 to 2.97) P=.292 For one one cost of travel for treatment Time to clinic visit OR=1.19 (0.75 to 2.91) P=.523 time to radiotherapy treatment OR=2.19 (0.67 to 7.99) P=.192 For one o

Geospatial access predicts cancer stage at presentation and outcomes for patients with breast cancer in southwest Nigeria: A population-based study Gregory C Knapp 2020	Breast	Hospital Nigeria	May 2009 - January 2019	Patients	609 Retrospec tive cohort	not stated Socioeconomic status Low 417 (8.5%) Middle185 (30.4%) High 7 (1.2%)not statedNone 56 (9.3%) Primary 196 (32.4%) Secondary 141 (23.3%) Tertiary 212 (35.0%)Female 598 (98.2%)	not stated	not stated-primary education only (21.9%; P=.002) - longer travel times 2.8-fold increased (95% C, 1.30-6.11; P=.006) not statednot statednot stated
Complementary and alternative medicine. Use and challenges among gynaecological cancer patients in Nigeria: Experiences in a tertiary health institution - Preliminary results T.O. Nwankwo 2019	Cervical 42, ovarian 31, endometrial 8, vulva 5, choricarcinoma 4, leiomyosarcoma 4	Hospital Nigeria	June 2014 to June 2020	Patients	95 Questionn aire	Trader 37 (38.9%). Ardisan/famer 23 (24.2%). (24		recommendation from friends and relatives (pvalue = 0.017 - income was less than monthly expenditure - duration of illness was equal or greater than six months pvalue = 0.02, OR = 0.36 CI 0.15-0.86-Complementary and alternative medicine use - lerbs - spiritual sacrifice diet modification - chinese medicine - chinese medicine - prayers combined with other methods - prayers combined with other methods
Effect of sociodemographic variables on patient and diagnostic delay of breast came at the foremost laultic care institution in Nigeria Sunday Olarewaju 2019	Breast	Hospital Nigeria	August - October 2018	Patients	275 Questionn aire	Unemployed 124 (46.51%) at 46.51% at 51.600 pg (46.51%) at 51.600 pg (36%) 0.76 (64%), Single 12 (4.4%) Married 193 (70.2%) Disorced/separated 19 (6.9%) Widowed 51 (16.5%) Frinary 46 (16.5%) secondary 87 (31.6%) 12 (51.6%) pg (51.6%) 12 (51.6%) pg (51.6%) 12 (51.6%) pg (51.6%) 12 (51.6	not stated	not stated-marital status, p=00 (single at higher risk of late stage diagnosis)-Age p=0.023 -ethnicity p=0.024 -ethnicity p=0.024 -ethnicity p=0.024 -ethnicity p=0.029High cost of prediagnostic testObligations at home -ethnicity p=0.029High cost of disease -ethnicity p=0.029High cost of medicine -esar of seeing medical advice -esar of seeing medical advice -esar of seeing medical advice -esar ethnicity p=0.029High cost of medicine -esar of seeing medical advice -esar ethnicity p=0.029High cost of medicine -esar of seeing medical advice -esar ethnicity p=0.029High cost of medicine -esar ethnicity p=0.029High cost of prediagnostic testObligations at home -esarchic p=0.029High
Impact of Primary Care Delay on Progression of Breast Cancer in a Black African Population: A Multicentered Survey Olayide Agodirin 2019	Breast cancer	Regional Nigeria	May 2017 - July 2018	Patients	237 Questionn aire	married 167(70.5%) single 11(46%) divorced or separated 4(1.7%) divorced or separated 4(1.7%) unspecified 33(13.9%) territory 91(38.3%) secondary 78(33%) primary 30(12.7%) none 38(16%) cs 20 18(7.6%) 31.40 51(21%) 41.50 74(31.2%) 51.60 46(19.4%) 61.70 24(10.1%) >=7124(10.1%)		-Misdiagnosis
Health-seeking behavior and barriers to care in patients with rectal bleeding in Nigeria Olusegun I. Alatise 2017	colorectal cancer	Hospital Nigeria	2013 to 2014	Other: patients, physicians	127 Questionn aire	<5100 =49 (59.8%) <5101=3 <5101=3 (80.2%) (84.2%) (84.2%) Widow 1: (1.2%)-No formal or primary education 23 (28.1%) <5econdary education 23 (28.1%) <5econdary education 27 (32.9%) <7erial primary education 27 (32.9%) <6econdary education 27 (32.9%) <6econdary education 32 (28.1%) <6econdary education 32 (29.9%) <6econdary education 32 (39.9%) <		Hospital bottlenecks - misdiagnosis - Unknown availability or cost of colonoscopy - Not serious - symptom cleared - Embarrassing - Knew the cause - Fear of unknown - Not money - Religious beliefs - belief in herbal medicine
Determinants of stage at diagnosis of breast cancer in Nigerian women; oreast cancer cancer avareness, health cancer awareness, health care access and clinical factors Elima Jedy-Agba 2017	Breast	National Nigeria	January 2014 - July 2016	Patients	316 Other: Case- control	not stated Personal income ves early 22 (25.6%) late 7 (74.4%) [25.6%) late 7 (74.4%) [74.4%] Personal income no early 74 (35.2%) 136 (64.8%) Married: early 71 (33.6%) late 140 (66.4%) More early 51 (12.2%) late 36 (87.8%) Primary/Secondary: early 33 (29.2%) late 30 (70.8%) [75.4%] Primary/Secondary: early 39 (12.2%) late 30 (70.8%) [75.4%] Not reported early (96): early 96 (14.3%) late 3 (10.8%) Not reported early (10.8%) Not reported early (10.8%) (10.8%) [75.4%] Not reported early (10.8%) (10.8%) [75.4%] (10.8%) [75.4	< 1 hour: early 66 (36.1%) late 117 (6.39%) 1 - < 2 hours: early 15 (33.3%) late 30 (66.7%) 2-2 hours: early 5 (22.7%) late 17 (77.3%) Not reported: early 11 (22.0%) late 39 (78.0%)	- lower educational level (p=0.002); - no formal education 2.75 (95% CI 1.37, 5.52, p=0.004) - In age-adjusted analysis, the odds of later stage were positively associated with the amount of travel time taken by the woman to reach the first healthcare provider she visited (pt=0.04) - never having heard of 8C 0R=2.24, 95% CI 1.25, 4.03; p=0.01 - Women who did not between in 8E cure (0R=2.23, 95% CI 1.40, 3.56; p=0.001) - did not practice 85E (0R=1.89, 95% CI 1.20, 2.99; p=0.01) not statednot statednot stated

Polosia seconda di Cal	Markey Co.	Inches 1	20411 11	D. C.	240	24 1 - 02		Transferred State (feet
Delay in presentation of cancer patients for diagnosis and management: An institutional report A Oladeji 2017	Uterine cervix, breast, head and neck, prostate, GIT, others	Hospital Nigeria	June 2014 to May 2015	Patients	218 Questionn aire	21 to 83		-Fear of treatment side effects -Financial constraints - inadequate facilities
								Challenges of distance to treatment center -Lack of family support -Lack of a waveness of cancer symptoms -Using food supplements -Treatment received by cancer patients at point of first presentation include spiritual care (prayers), herbal medicine -Seeking alternative therapy -Fear of diagnosis of cancer
Factors contributing to poor management outcome of sinonasal malignancies in South-west Nigeria. AJ.Fasunia 2013	Sinonasal Malignancies	Hospital Nigeria	March 2006 - February 2011	Patients	aire	none stated Low socioeconomic class 80.3% High socioeconomic class 80.3% High socioeconomic class 4.9%Married 39 (63.9%) Not married 22 (36.1%) No post secondary education 40 (65.6%) With post secondary education 21 (34.4%) [emailes 33 (54.1%) mailes 28 (45.9%) [mean age 37 years -f -124 (range 4 years -f -22 years)	Not stated	noneNoneNone-high cost of medical treatment - patients, wrong advice - attitude of hospital staff - lack of confidence in orthodox therapy - prominity to health facility - traditional and religious belief
Delays in presentation and treatment of breast cancer in Enugu, Nigeria ER Ezeome 2009	Breast	Hospital Nigeria	June 1999 to May 2005		Questionn aire	Married 116 (71.2%) Not married 19 (11.7%) Widowed 24 (14.7%) Divorce/separated 4 (2.5%)Non 24 (15.2%) Secondary 45 (28.7%) Tertiary 47 (29.9%) Higher Degree 3 (1.8%)162 female 2 maleage range 21 - 77 yrs mean age of 45.7 yrs, median age of 45		-wrong advice and false reassurances from the initial doctor or health professional -delays in getting. Biopsy or histology reports -physician's falliet to get blospy or histology at the initial evaluation -industrial actions in the hospitals -did not consider the symptoms serious or thought it will disappear -did not know the implication of the abnormality -lacked finance to go for treatment - alternative practitioners and prayer houses - did not experience pain and therefore did not present earlier
Delayed treatment of symptomatic breast cancer: The experience from Kaduna, Nigeria A. Y. Ulwenya 2008	Breast	Hospital Nigeria	1st July 2003 to 30 June 2005	Patients	111 Questionn aire	Currently married 97 Currently married 14Illiterate/primary 59 Secondary/tertiary 52 Median age among those admitted for treatment within a month 50 after a month 43		Provider delay -Failure to refer patient at first consultation 40 (40.4%) -Attempted treatment by lumpectomy with recurrence 15(15.15%) -Lump not sent for histopathological examination 14(14.15%) -Patient not counselled about seriousness of breast lump 13(13.15%) -Breast lump mistakenly incised as an abscess 10 (10.15%) -Breast lump not felt at initial examination 7 (7%) -Biopsy result not immediately communicated to patient 4 (4%) -Initial biopsy diagnosis of benign disease 3 (3%) -Patient reasons for delay are -Family refused hospital treatment 25 (25.35%) -Did not want mastectomy as treatment 21 (12.15%) - Could not initially ferfor hospital treatment 34 (13.15%) - Went for alternative (traditional/spiritual) treatment 38(38.4%) - Went for alternative (traditional/spiritual) treatment 38(38.4%)
Cancer Control at the District Hospital Level in Sub Saharan Africa: An Educational and Resource Needs Assessment of General Practitioners. Allison N. Martin 2019	cancer type not specified (provider study)		early 2017	Clinicians	Questionn aire	doctors not statednot statedfirst year general practitioners (doctors)Female 15 (21.1%) Male 56 (78.9%)20- 24 2 (2.7%) 25-29 64 (87.7%) 30-34 5 (6.9%) >35 2 (2.7%)	n/a	n/an/an/a-referrals with lack of specific appointments to specialists - lack of pathology or screening services 47 (49%) - inability to afford clinic visits. 48 (66%)- lack of awareness of symptoms 65 (89%)
Barriers to timely surgery for breast cancer in Rwanda Lauren E. Schleimer 2019	Breast	Regional Rwanda	1st January 2014 to 31 December 2015	Patients		Female 144 Male 7Median age 54 (27-84)		Surgeor/Operating room availability -Management of pregnancy -Inoperable, referred for second opinion -Chemotherapy toxicity -Patient refused breast surgery 4 -Patient refused referral for off-site operative treatment -Financial/social issues -Financial/social issues -Financial/social issues -Seeking traditional medicine -Seeking cardinoal medicine
Delays in breast cancer presentation and diagnosis at two rural cancer referral centers in Rwanda Lydia E. Pace 2015	Breast		November 2012 - February 2014	Patients	Questionn aire	not stated not stated in the stated single, widowed or discreed 73 (51%) Married 71 (49%) None or primary school 108 (75%) Secondary school or university 36 (25%) 100% (25%) 100% (25%) 100% (40%) 43 (30%) 43 (30%) 50 (30%) 50 (26 (15%))		not stated - patients who visited other healthcare facilities >=5 times before diagnosis were more likely to experience system delays of >6 months (DA, 2.69 >\$50 < Cl. 1.24-5.84,55.01). Patients residing in Butaro or Rwinkwavudistrict were less likely to experience long system delays (DR, 0.05; 95KC), 0.004-0.55; po.00,2)delay of >-6 months: -low education (odds ratio (DR), 4.88; 95K 0.1.72-13.88; p=0.003; -seeing a traditional healer before a runse or doctor (DR, 4.26; 95K C), 1.56-11.60; p=0.005);none- visited another health center or hospital first and was not referred to this hospital immediately - needed a transfer form from another facility before coming here - too expensive to travel from home to - was to day healthcare worker there was no treatment for thisease - The hospital was too far to travel to - not bothered by the problem at first - did not inow inceded to see a doctor and thought it would go away visited a traditional healer first - thought treatment might be too expensive to bob yas the more at any job - afraid at it might be cancer a traditional healer first - thought it would go away visited a traditional healer first - thought it would go away visited a traditional healer first - thought it would go away - afraid at the treatment, including potentially losing breast - afraid of possibly dying if breast removed - too expensive to travel to the healthcenter or hospital - did not know where an appropriate medical facility was - did not want amyone knowing had ab exest problem - afraid of being examined by a doctor or other healthcare provider - had or knew someone who had a bate apprehence at a health center or hospital - The health center or hospital was too far - did not want amyone knowing had ab experience at a health center or hospital - did not know there or consequence was a bate experience at a fold or want amone who had a bate experience at a health center or hospital - The health center or hospital was too far - did not want amone how had a bate experience at a health center or ho

Prevalence of breast masses	***Breast masses	National	October 2011 -	Community	Sierra	*women with breast	not stated	n/an/anot stated-lack of money (Sierra Leone 35.1% Rwanda 11.4%)- absence of disability associated with breast mass
and barriers to care: Results from a population-based survey in Rwanda and Sierra Leone Faustin Ntirenganya 2014	not specified if cancer or not	Rwanda Sierra Leone	January 2012	clinical	Leone 3645 Rwanda 3175 Questionn aire	masses Sierra Leone, n=57: None 10 Home maker 7 Domestic help 20 Farmer 26 Self employed/Small business 12 Rwarda, n=79: None 9 Home maker 0 Domestic help 0 Farmer 70 Self employed/Small business 0 not stated-of-women with breast masses Sierra Leone, n=57: None 38 (66.7%) Primary 14 (24.6%) Secondary 14 (24.6%) Fertalizy 2 (3.5%) Rwanda, n=79: None 314(1.5%) Secondary 2 oncologists		-lack of trust in the health care system -long distance required to reach the provider -stigma associated with having a breast problem -consulted traditional healers instead of going to health centers
system and patient-related barriers for lung cancer management in South Africa Witness Mapanga 2021		South Africa		managers clinicians public health opinion leaders NGO	process, nominal group technique	pulmonologists thoracis surgeons pathologists radiologists radiologists oncology nurses medical officers NGO representatives		- Lack of smoking cessation clinics Costs of medical treatments - Repeated visits for misdiagnoses for TB-patients lose faith in the health system and go to GPs - Failure to come back for follow up diagnostic or treatment appointments - Patients changing their mobile numbers and then cannot be contacted or may not answer their phones from unidentified callers-fearing debt collection. - Patients changing their mobile numbers and then cannot be contacted or may not answer their phones from unidentified callers-fearing debt collection. - Patients endure bursaucracy at health care facilities ID, proof of residence, articulation of chief complaint - Language barries between patients and healthscare practioneers and thus difficult communications and understanding of doctor information - Long delays to get appointments, Jong waiting periods in clinics and long queues for high patient volumes and for diagnostic tests compounded by early closing times - Primary health care is nurse driven and doctor supported-lung cancer not prioritized as a diagnosis-and not listed in the index of disease conditions - Misdiagnosis linked with superficial examinations-over emphasis on more common HIV and TB pneumonia with a low index of suspicion for lung cancer - Delays in getting diagnostic workup test results for imaging, cytology, pathology and surgery - Unwillingness for health care workers to consider a cancer diagnosis because of the inability to break bad news and/or accompany the patient through the journey of care - Administration hassles-no referral forms, lack of hospital transport for referrals, obtaining informed consent, booking appointment for referrals - Patient health awareness messaging within primary resources is not structured and sustained with no CHC outreach to the community - Insufficient information on the prevalence of lung cancer and how best to manage it
Delay to diagnosis and breast cancer stage in an urban south african breast clinic S Rayne 2019	Breast	South Africa	January 2016 - February 2017	Patients	aire	school -early presentation 21 (30.4%) -locally advanced 48 (69.6%) -Secondary school or above - early presentation 52 (34.9%) - locally advanced 97 (65.1%) <45 yrs)	Travel to breast clinic: <30 minutes - <30 minutes - <30 minutes - <30 minutes - <10.03 minutes - <10.03 minutes - <10.03 minutes - <10.03 minutes - <10.04 minutes - <10.05 min	lack of internet access \$1 (35.9%)in early stage and \$21(64.1%) in late stage) was associated with delay in acknowledging breast symptoms (pro-0.051), work
From symptom discovery to treatment - women's pathways to breast cancer care: A cross-sectional study Jennifer Moodley 2018	Breast	South Africa			aire	Employed 51 (25.4%) Married 84 (41.8%) Single in stable relationship 6 (3.0%) Single 42 (20.9%) Widowed 38 (18.9%) Widowed 38 (18.9%) Divorced/separated 31 (15.4None-Grade 7.49 (24.4%) Grade 8-Grade 11 96 (47.3%) Grade 12+ 56 (27.9%)Female =201median age 54		- surgery as first treatemet-visiting multiple clinics-first symptom as being minor or not serious, being in denial, - only seeking care when a lump increased
Access to colorectal cancer (CRC) chemotherapy and the associated costs in a South African public healthcare patient cohort Candice-lee	Colorectal	South Africa	2012 - 2014	Patients	note	not stated not statednot statednot statedFemale 73 Male 89median 58 years	not stated	not statednot statednot statednot statednot stated
Barriers to early presentation of breast cancer among women in Soweto, South Africa Maureen Joffe 2018	Breast	South Africa	8th January 2015 to 31st December 2016	Patients		Unemployed 229 (45.9%) Employed 136 (27.2%) Employed 136 (28.9%) Divorced/widowed 151 (37.2%) Completion of indomal/primary 142 (28.5%) Employed 136 (28.9%)		Increase in parity OR.1.055%(1.0.9+1.21 Patients aged-Abyears OR-1.9.35%(1.0.9+1.21 Patients aged-Abyears OR-1.9.35%(1.1.0+3.1.4 and 1.0.1 and 1.0

Factors relating to late presentation of patients with breast cancer in area 2 KwaZulu-Natal, South Africa Sharon R Cacala 2017	Breast	Hospital South Africa		Patients	172 Other: Prospectiv e	- employed 27% -never attended school 19% - completed high school 19% -Average education level: 6th grade women 172mean age was 56 yrs (range 23 to 100 yrs)		- financial issues - transportation issues - difficulty with the referral system and rural clinics - unaware that the lump could be cancer - did not understand severity - fear - afraid of losing a breast - seeing a traditional healer - financial issues - transportation issues
Stage at breast cancer diagnosis and distance from diagnosis and distance from diagnosit hospital in a periurban setting: AS Outh African public hospital case series of over 1,000 women Caroline Dickens 2014	Breast	Hospital South Africa	2006 - 2012	Patients	1071 Retrospec tive cohort	hospital, n=242: <= R800 - 24.7% <= R800 - 24.7% <= R800 - 24.93 % <= R800 - 34.9% <= R900 - 32.9% <= R900 - 32.9% <= R900 - 32.9% <= R900 - 52.9% <= R900 - 52.9% <= R900 - 52.9% <= R900 - 27% <= R800 - 58% not stated152 women with primary education or less <5 km from hospital n=183: 14.6%	<5 km from hospital, n=183 5 - 9.9 km from hospital, n=299 10 - 19.9 km from hospital, n=242 20 - 29.9 km from hospital, n=188 30 - 39.9 km from hospital, n=61	Not stated - older patients [RR 1.03(95% CI: 0.99, 1.07) - older patients [RR 1.03(95% CI: 1.7, 1.53) - leftore 2008 [RR 1.34 (95% CI: 1.7, 1.53) - living 30-396 km from loopstal (95% CI: 1.7, 55) Not statedNot statedNot statedNot stated
Predictors of cervical cancer being at an advanced stage at diagnosis in Sudan Ahmed Ibrahim 2011	cervical cancer	Hospital Sudan	1 January 2007 to December 2007	Patients	197 Retrospec tive cohort	not stated not stated Single 60 (30.5%) Married 137 (69.5%)Basic school 122 (61.9%) Secondary school 75 (38.1%)100% female<=54 73 (37.1%) >=55 124 (62.9%)	not stated	not stated older [> 5 Syears] (OR: 1.03, 95% CI: 1.01-1.05) Rural residence (OR: 1.13, 95% CI: 1.76-5.50) African ethnicity (OR: 1.76, 95% CI: 1.01-3.05) African ethnicity (OR: 1.76, 95% CI: 1.01-3.05) without health insurance (OR: 7.7, 95% CI: 3.76-15.38)not stated
Educational Opportunities for Down-Staging Breast Cancer in Low-Income Countries: an Example from Tanzania Kristen Yang 2019	Breast	Hospital Tanzania	January 2016 - August 2018	Patients	196 Questionn aire	not stated not statednot statednot statednot statedmean age early: 51.5 +/- 10.3 late: 51.6 +/- 12.9	not stated	not stated - never had a routine breast exam conducted prior to their diagnosis (OR = 4.40; 95% CI = 2.09-9.25) not statedon-time treatment of the conducted prior to their diagnosis (OR = 4.40; 95% CI = 2.09-9.25) time restraints not stated
Patient and disease characteristics associated with late tumour stage at presentation of centrical cancer in northwestern Tanzania Ramadhani Mlange 2016	Cenical	Hospital Tanzania	April 2014	Patients	aire	Peasant 170 (84.1%) Petty Tader 20 (95%) Business 2 (10.9%) Business 2 (10.9%) Business 2 (10.9%) Un-employed 5 (2.4%) Unicoved 34 (16.5%) U	not stated	not stated -Lack of formal education, OR=2.1, 95% CI 1.2 - 3.8, p=0.012 -Lack of health insurance, OR=3.9, 5% CI 1.1-13.3, p=0.033 -There or more pre-referal visits OB=1.9, 95% CI 1.1-3.5, p=0.034 - attending to traditional health practitioners OR = 2.3 [95 % CI 1.2-4.2],p=0.011 - Lack of personal initiative to stated health care facility OR = 2.0 [95 % CI 1.0-3.8],p=0.028) not stated Seeking alternative-health practitionerLack of personal initiative
Engagement in HIV Care and Access to Cancer Treatment Access to Cancer Treatment Among Patients With HIV-Associated Malignancies in Uganda. Daniel H. Low 2019	HIV associated malignancies: KS (46%) KS (46%) cervical cancer (19%) breast cancer (10%) breast cancer (6%) head and neck cancer (5%) non-Hodgkin lymphoma (4%) vulvovaginal cancer (4%) others (6%)	Hospital Uganda	October 2015 - January 2016	Patients	100 Questionn aire	Employed 34, n=100 not statednot statedn=102 Poor literacy 32 Incomplete primary school 36 Complete primary school 18 Some secondary school 30 Complete secondary school 16 Female 52% Male 48% median 41 years	?n=104 < 25 km 24 < 25 49 km 23 50-99 km 12 >100 km 55	diagnostic delay (44x117 days for those not receiving HV care/P=.048)- travel to multiple clinics/hospitals (n = 18; 46%), conflicts between appointments for HV and cancer care (n = 9; 23%). treatment costs (n = 8; 21%) - difficulty adhering to the quantity of medications (n = 6; 15%) - stigma. Paper for the quantity of medications (n = 6; 15%) - stigma. Paper for the quantity of medications (n = 6; 15%) - Stay, relative risk not calculable/P=.003 - Obstance from place of residence to the UCI was not associated with reporting of a barrier to care; however, those who prematurely withdrawn from cancer care (1864-00%) - Stay, relative risk not calculable/P=.003 - Obstance from place of residence to the UCI was not associated with reporting of a barrier to care; however, those who prematurely withdrawn from care AFI lived farther from the UCI than those who completed all prescribed cancertreatment (median distance, 172.5vid) care/P=.004) Having previously established HV care reduced apparisal/behavioral delay (307/5 days for those not al-ready receiving HV care/P=.02) - Persons who were receiving AFI before recognizing the symptoms determined to be associated with cancer had a total cascade duration of 207 days(107, 100 to 320 days), compared with those not receiving AF3ART (318 days; 108, 155 to 537 days,P=.004), diagnostic delaynot statednot stated
Social, demographic and healthcare factors associated with stage at diagnosis of cervical cancer cross-sectional study in a tertiary hospital in Northern Uganda. Amos Deogratius Mwaka 2015	Cervical	Hospital Uganda	September 2012 to April 2014	Patients	149 Questionn aire	Housewife/peasant 122 (88.6%) Petty trader 10 (6.7%) Petty trader 10 (6.7%) Formally employed 4 (2.7%) Missing 3 (2.0%) not statedMarried 84 (56.6%) Divorced 21 (14.1%) Widowed 44 (2.95%) Mor formal education 67 (45.0%) Primary education 67 (45.0%) Primary education 7 (4.7%) (4.83.9%) Cascondary education 2 (1.3%) Missing 1 (0.7%) 10.00% Femallemen angle 48 + y-1.31 years	-40 km 41 (27.5%) 04.80 km 35 (23.5%) 81.100 km 13 (8.7%) 101.375 km 58 (38.9%)	the odds of advanced stage cancer among patients who self-reported financial difficulty are 5.7 times (95% CI 1.58to 20.64) the odds of advanced cancer among the patients who did not report financial difficulty as a reason for non-promp health seeking-the OR of advanced stage cervical cancer among patients who precived their symptoms as due to a serious stillness or cancer was 0.43 times (95% CI 0.20 to 0.96) the OR of those who perceived their symptoms as not due to a serious illness/cancer—in-bvariate analyses, participants with secondary and tetriary education were less likely to be diagnosed with advanced stage cancer compared to those who had not attained formal education (crude OR-0.16 (95% CI 0.03to 0.87).—patients who perceived their symptoms as serious or due to cancer were less likely to be diagnosed at advanced stage cervical—patients who perceived their symptoms as serious or due to cancer were less likely to be diagnosed at advanced stage cancer—per-referral diagnoses by primary healthcare professional non-cancer related or not told: 6:1-lack of money: 108-symptoms not attributed to cancer: 1:30

Challenges faced by cancer patients in Uganda: implications for health systems strengthening in resource limited settlings Amet Nakaganda 2020	Cervix 72 (20%) Kaposi's sarcoma 71 (20%) Breast 46 (13%) Prostate 19 (5%) Exophagus 16 (4%)	Hospital Uganda	April to May 2017		Questionn	Self Employed 87 (24%) Unemployed 82 (23%) Stopped working due to cancer 70 (20%) Casual employment 51 (17%) Formal employment 51 (17%) Other 20 (61%) Other 20 (61%) Amaried 143 (43%) Single 77 (21%) University Casual Employment 10 (17%) Separated/divorced 47 (13%) (19%) Primary Iveel 147 (14%) Secondary Iveel 97 (20%) College/University education level 71 (20%) [Pemale 199 (55%)) average age 43		-lack of money for treatment, medicines and transportation. -family responsibilities -rank healthy enough to continue treatment -failure to find accommodation in Kampalalack of money for transportationfamily responsibilities -lack of money for transportationfamily responsibilities
Surgical candidacy and treatment initiation among women with cervical cancer at public referral hospitals in Kampala, Uganda: A descriptive cohort study Megan Swanson 2020	cervical	Hospital Uganda	April 2017 - September 2018	Patients	268 Questionn aire	Industry/business 92 farming/domestic 175 not statedMarried 121 Single/divorced/ widowed 146Less than primary 110 Higher than primary 151100% Female>=50 years 123 ,50 years 133	> 15 km 181 <= 15 km 86	The statistics were executed to reflect chance of receiving treatment rather than delay - see comment boxnot statedont stated-financial constraints, including lack of funds to pay for tavel and the nominal fees associated with radiation, surgery and diagnostic tests (69%) - long wait times (30%)not statednot stated
Prognosis and delay of diagnosis among Kaposi's diagnosis among Kaposi's sarcoma patients in Uganda: A cross-sectional study Christopher De Boer 2014	Kaposi sarcoma	Hospital Uganda	June to October 2012	Patients	161 Other: case notes and standardi zed interview s	<100.000 UGSH = 90 (58.1%) 100K - 500K UGSH=59 (38.1%) >500.000 UGSH=6 (3.9%)Primary 38(51.6%) Secondary S8 (36.0%) Tertiary or degree 20 (12.4%)Male 111 = (68.9%) Female 50e (31.1%) <31.1% 30 = 44 (28.0%) 31.40 = 85 (54.1%) >40 = 28 (17.8%)		- paid out of pocket tests or chemotherapy, 68 (42.7% p value 0.001) - visitation to a traditional healer was associated with experiencing diagnostic clash (0.002.69, e) = 0.002, 95% CI: 1.17-6.17)visited a traditional healer 41(25.5% p value 0.872) -lack of money for transportation -Distance to UCI -lack of money for transportation -Distance -
Inequities in breast cancer treatment in sub-Saharan Africa: Findings from a prospective multi-country observational study Milena Foerster 2019	Breast	Hospital Uganda Nigeria Namibia	September 2014 - 'early' 2016	Patients	1335 Other: Prospectiv e multi- centric	Unskilled jobs 923 (70%) - not treated 172 (18.8%) treated 751 (81.2%) Skilled 503 (30%) - not treated 55 (13.8%) treated 348 (86.2%) Not statedNot statedNot stated100% femalemean age 50.7 (SD = 13.6)	Not stated	- BMI pro 0.023 - 4.18.5 1.58 (0.70 to 3.59) AND 1.83 (0.79 to 4.21) 30+1.76 (1.10 to 2.81) AND 1.53 (0.95 to 2.47) - Belief in spiritual healing prd.0.004 Yes 1.18 (0.83 to 1.68) 1.21 (0.84 to 1.21)not statednot stated-cost - personal decision e.g (lack of belief in effectiveness, fear or non compliance to or rejection of therapy)not statednot stated
Dissecting the journey to breast cancer diagnosis in sub- saharan Africa: Findings from the multicountry ABC-DO cohort study Milena Foerster 2020	Breast	Hospital Uganda, Zambia, Namibia, Nigeria	September 2014 - September 2017	Patients	s	Unskilled 1007 (70.5%) Skilled 242 (29.5%) Low SEP 810 (56.7%) Low SEP 810 (56.7%) Maried 539 (50.3%) Primarylno education 628 (44.0%) Secondary/higher 801 (56%) 100% femalemean 50.1	Not stated	-Age IRR 1.26 (0.89-1.79) -Low SEP IRR 1.10 (0.99-1.30) -Primary/no education IRR 1.16 (0.98-1.37), (not for Namibia non black pr.0.037) -Unskilled abour IRR 1.22 (1.01-1.47) -Bellef in traditional medicine IRR 1.03 (0.87-1.22), (only for Nigeria and Zambia, p=0.007) -Recent pith IRR 1.08 (0.84-1.38) -HIV positive (only for Namibia-blacks and Zambia, p=0.022) IRR 1.11 (0.70-1.76) and 2.12 (0.97-4.62) respectively -First symptom unp IRR 1.42 (1.14-1.76)-told not to worry -wrong diagnosis-lack of transport -transport costs-pain -fear
Health system constraints affecting treatment and care among women with cervical cancer in Harare, Zimbabwe O. Tapera 2019	cervical	Regional Zimbabwe	January to April 2018	Patients and clinicians	134 - health workers 78 Other: questionn aire, IDI,	female patients 134 male how 15 female how 63 patients mean age 50.2 unterated cervical cancer and 52.9 for those with treated cancer health workers mean age 37.3 yrs	Distance from nearest cervical cancer screening health facility - 400 km untreated 5 (12%) treated 30 (33%) 11-50km untreated 4 (10%) treated 4 (10%) 5 50km untreated 4 (16%) 5 50km bord 16 (16%) 5	Women: