

# Non Communicable diseases Ethiopian Estimate (GBD 2017)

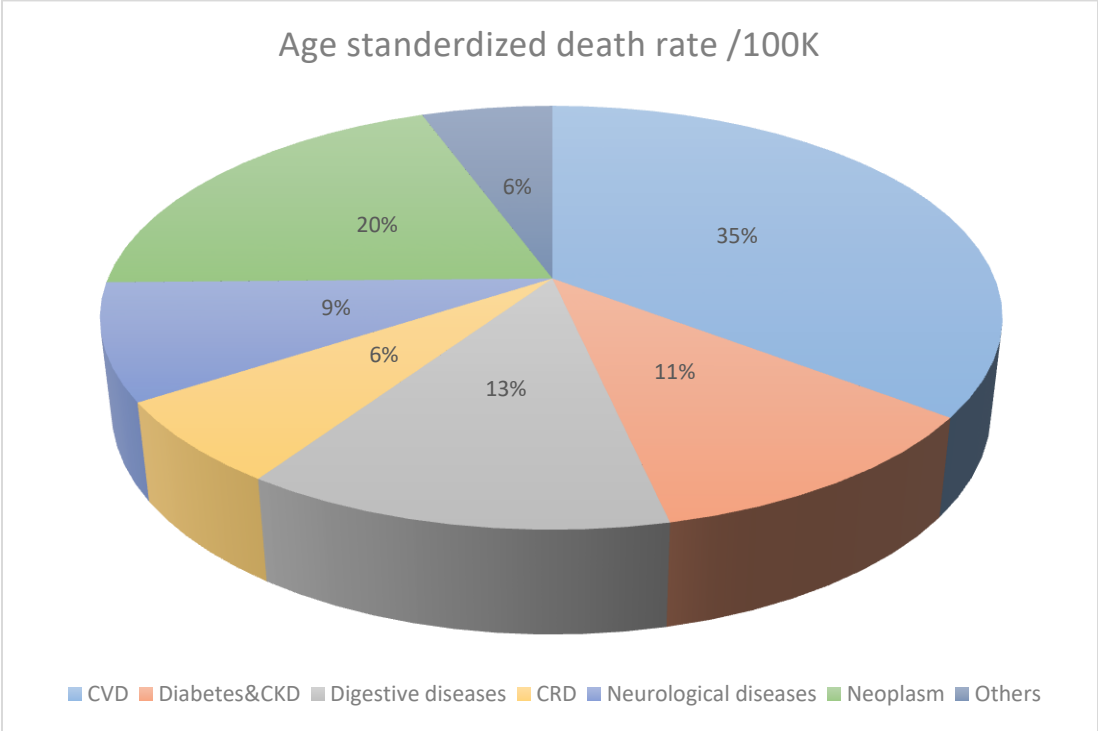
## Table of contents

### Contents

Table of contents .....	1
Over all NCD mortality burden .....	2
Major CVD cause of deaths in Ethiopia.....	2
Major neoplasm cause of deaths.....	3
Table 1. Age standardized Mortality, DALYS and Prevalence rate of major CVDS .....	4
Table 2. Age standardized Mortality, DALYS and Prevalence rate of major neoplasms .....	5
Table 3. Age standardized Mortality, DALYS and Prevalence rate of other NCDs.....	5
NCD death rate by age and gender.....	7
CVD death rate.....	8
Neoplasm estimate .....	10
Prevalence.....	10
DALYS .....	12
Deaths .....	13
Probability of dying due to NCDs .....	15
Seven years trend of DALYs and deaths due to NCDs in Ethiopia .....	16

### Over all NCD mortality burden

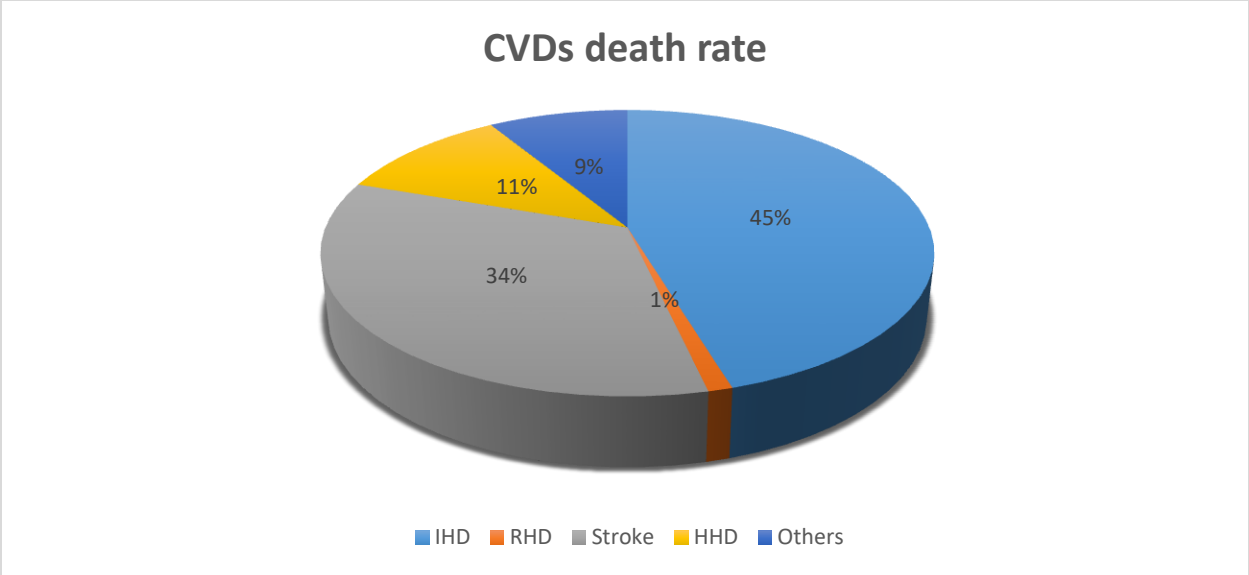
The overall age standardized mortality estimate of Ethiopia in 2017 was 519(95% UI: 479-551) per 100000 population. More than half of these NCD related mortalities were resulted from CVDs and neoplasms



Key; CVD: Cardiovascular Diseases; CKD: Chronic Kidney Diseases; CRD: Chronic Respiratory Diseases

### Major CVD cause of deaths in Ethiopia

The age standardized mortality resulted from CVDs was 182(95% UI: 165-204) per 100,000 population. More than 75% of these deaths were due to IHD and STROKE



Key: IHD: Ischemic Heart Diseases; RHD; Rheumatic Heart Disease; HHD: Hypertensive Heart disease.

### Major neoplasm cause of deaths

The overall age standardized death rate resulted from neoplasm was 102 (95% UI: 89-113).

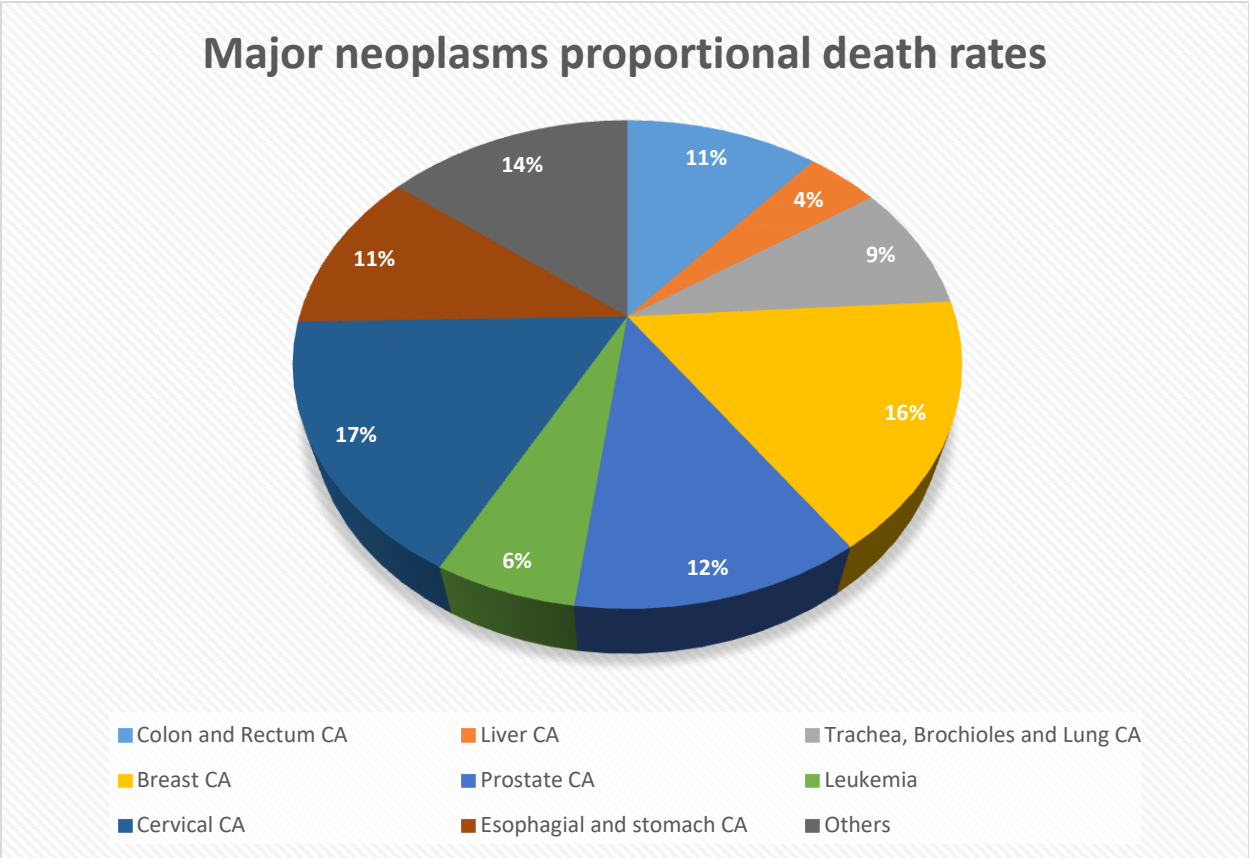


Table 1. Age standardized Mortality, DALYS and Prevalence rate of major CVDS

Diseases		Mortality/100000 (95%UI)	Prevalence/100000(95%UI)	DALYS per 100,000(95%UI)
NCD	F	468(420-513)	93427 (92866-93934)	18044.50708 (15,744-20,662)
	M	566(505-612)	89413 (88548-90245)	19856(17347-22399)
	T	519(479-551)	91406.0 (90712-92085)	18979.94453
CVDs	F	176(156-202)	5053.568127	3255.828911
	M	188(167-212)	5852.032483	3833.57332
	T	182(165-204)	5466.32123	3549.550958
IHD	F	74.50942599	1037.839448	1250.487678
	M	90.36573291	2047.099783	1782.840835
	T	82.6045872	1554.996308	1521.739076
Stroke	F	58.98160321	694.0838831	1121.803148
	M	65.5794413	735.398905	1263.351319
	T	62.38616407	715.1537335	1194.436326
HHD	F	27.9034987	119.5551072	438.8548132
	M	12.35763618	102.152105	220.2880004
	T	19.86014068	110.5035408	325.7690619
RHD	F	2.094611952	1157.857067	109.2060695
	M	2.360112756	908.5559504	101.6581577
	T	2.233479289	1032.95846	105.5894044

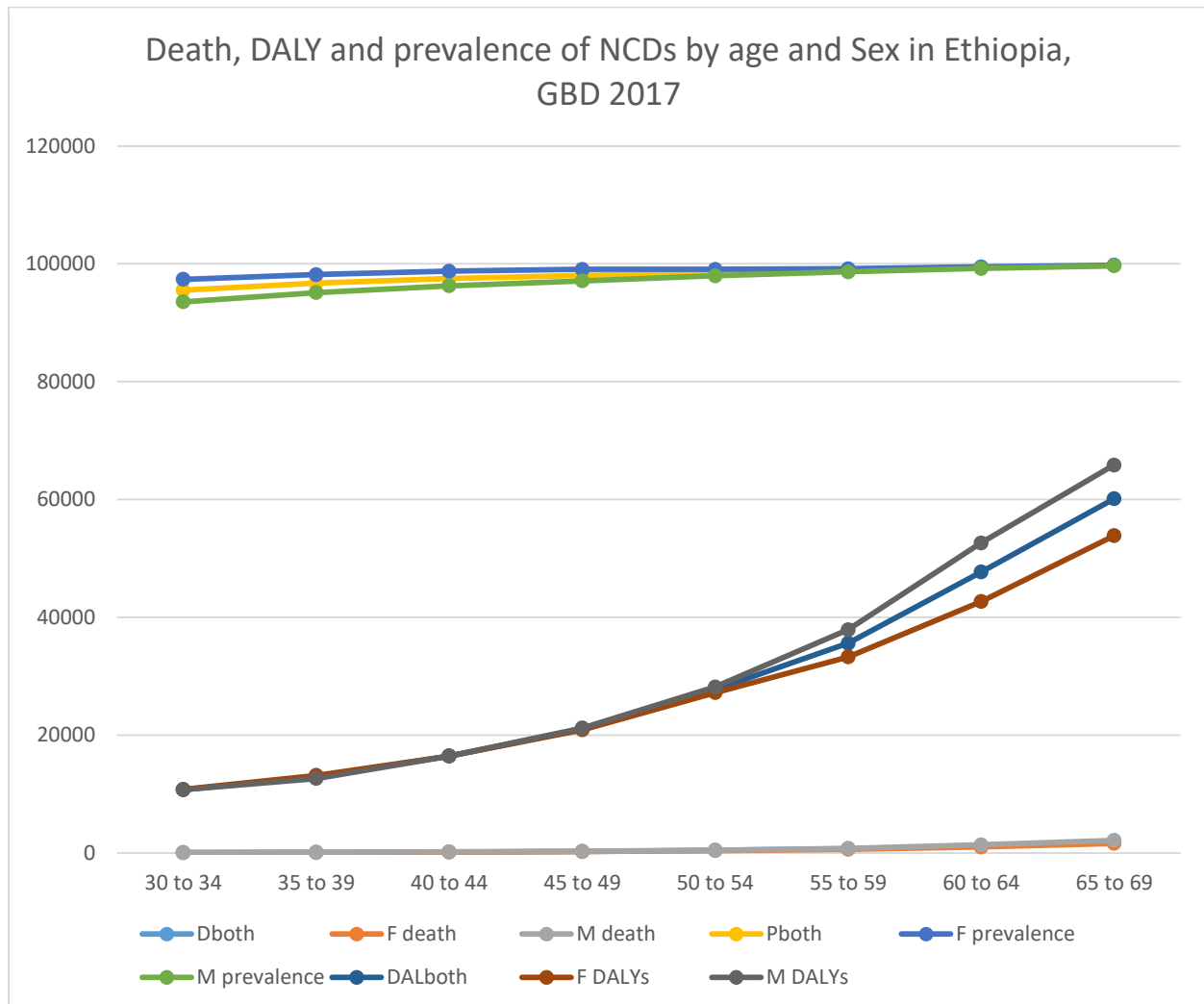
Table 2. Age standardized Mortality, DALYS and Prevalence rate of major neoplasms

Diseases		Mortality/100000 (95%UI)	Prevalence/100000(95%UI)	DALYS per 100,000(95%UI)
Neoplasm	F	98(82-114)	516.8676962	2688.879912
	M	105(90-117)	251.5896762	2445.694276
	T	102(89-113)	383.8420327	2571.837253
Colon and rectum cancer	F	8(7-10)	27.12461335	171.5628406
	M	14 (12-16)	44.18271581	293.6543228
	T	11(10-13)	35.88663056	234.0751526
Liver cancer	F	4(3-5)	98.62843913	?
	M	4(3-5)	104.8523119	?
	T	4(3-5)	101.8753572	?
Tracheobronc& lung cancer	F	4(3-5)	4.240541805	87.03459507
	M	13(12-15)	11.47602524	258.5065958
	T	9(8-10)	7.988425136	175.7178681
Breast cancer	F	17(14-21)	165.3719863	491.6517637
	M	0.939676274	6.308569928	24.22476773
	T	8.616	84.63044077	254.5112116
Prostate cancer	M	12(8-17)	46.27628241	187.9120011
Leukemia	F	5(4-7)	18.3003517	190.2477462
	M	7(4-9)	19.55170055	219.7680781
	T	6(4-7)	18.96555562	205.525707
Cervical cancer	F	17(13-27)	146.8239294	493.0408147

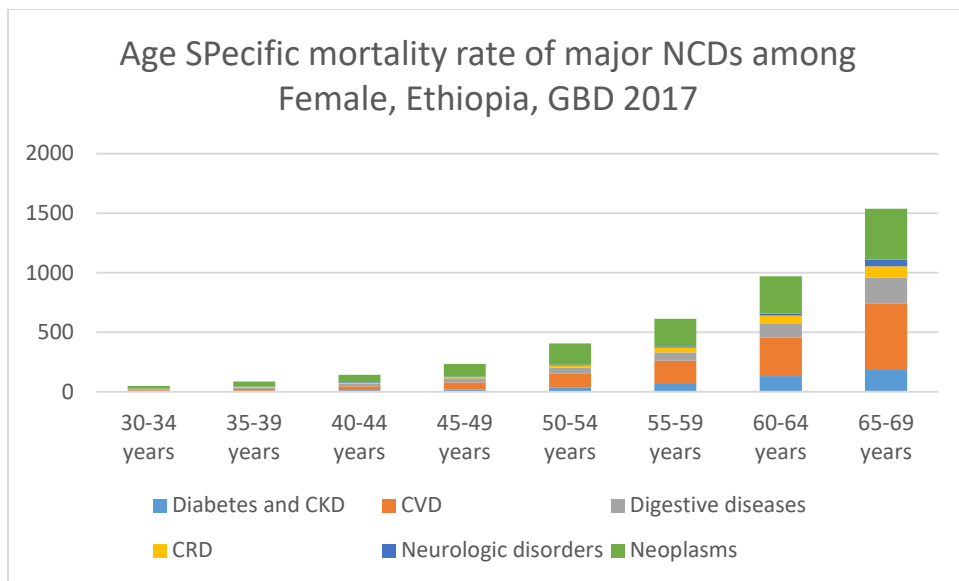
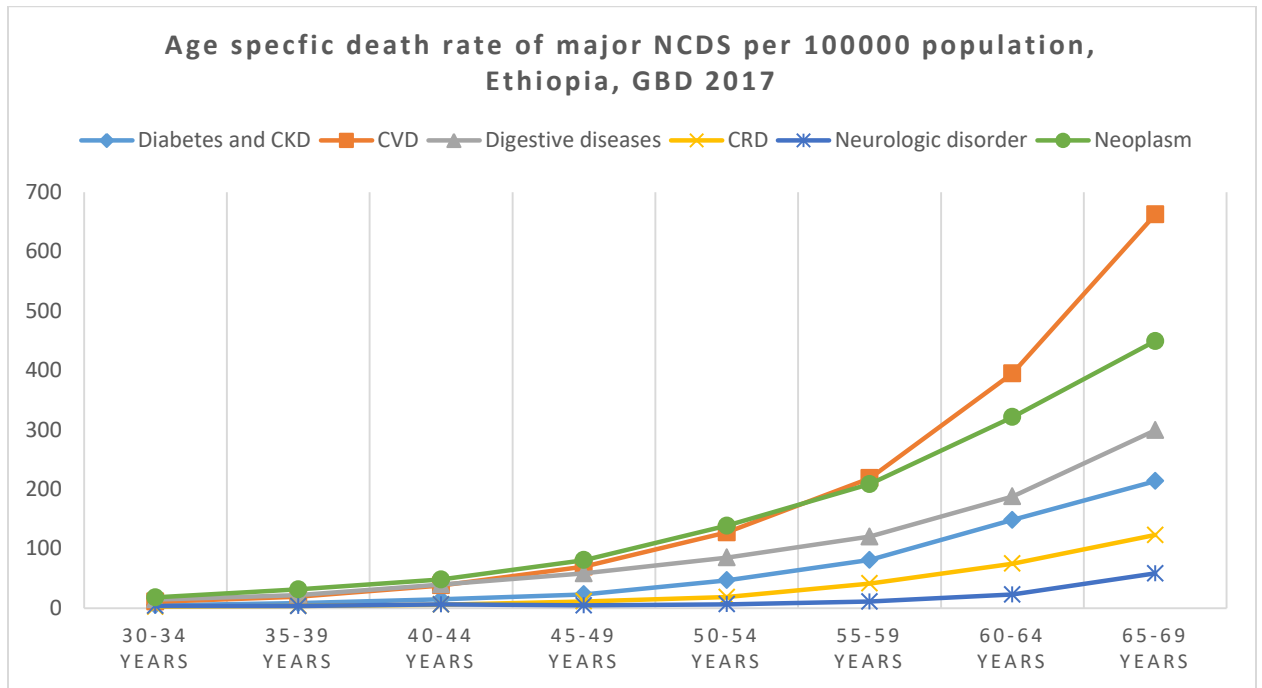
Table 3. Age standardized Mortality, DALYS and Prevalence rate of other NCDs

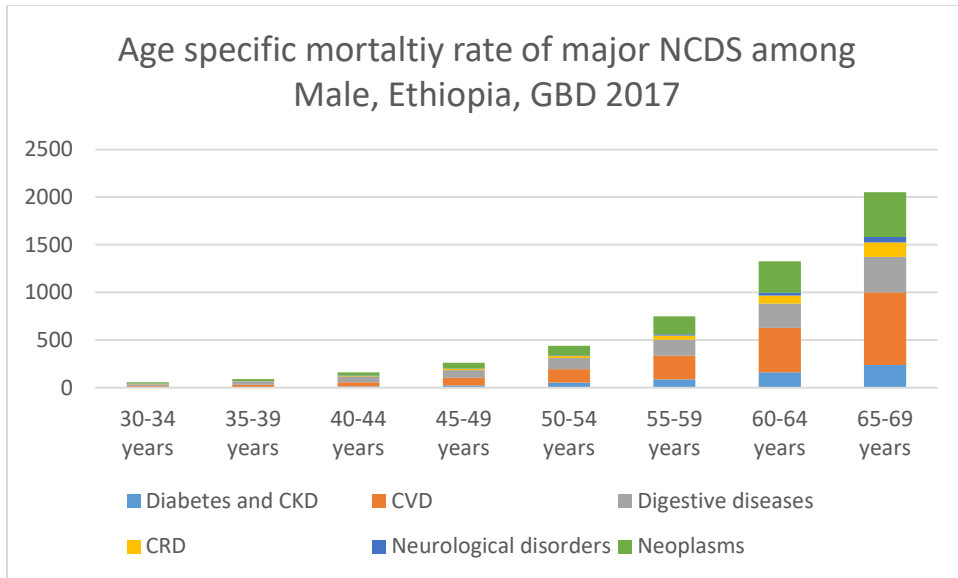
Diseases		Mortality/100000 (95%UI)	Prevalence/100000(95%UI)	DALYS per 100,000(95%UI)
Diabetes	F	29(26-34)	4059.095229	923.9522477
	M	36(32-41)	4825.09027	1142.652286
	T	33(30-36)	4449.229821	1036.268751
Chronic kidney disease	F	21(19-24)	11188.55049	533.9040039
	M	28(25-33)	7637.289852	627.62863
	T	25(22-28)	9375.62659	582.3552132
Chronic obstructive pulmonary diseases	F	18(15-22)	1837.17479	575.4194154
	M	29(19-35)	1754.452863	671.9439327
	T	24(19-27)	1794.848115	626.0960286
Asthma	F	7(5-10)	3896.13379	338.8716718
	M	10(5-18)	3353.971617	338.0683853
	T	8(6-13)	3624.996203	339.1530458
Cirrhosis	F	29(23-36)	16582.92434	689.6537456

	M	48(40-58)	23066.14794	1284.531455
	T	39(33-46)	19843.46918	689.6537456
Ileus & Intestinal obstruction	F	5(4-7)	1.160138668	152.7390488
	M	16(11-20)	2.284015908	370.4251051
	T	11(8-13)	1.734493744	263.5923714
Alzheimer's disease and other dementia	F	38(29-44)	542.9974089	438.4966372
	M	36(21-54)	476.1729984	423.7821891
	T	36(26-48)	508.2115176	430.8792693

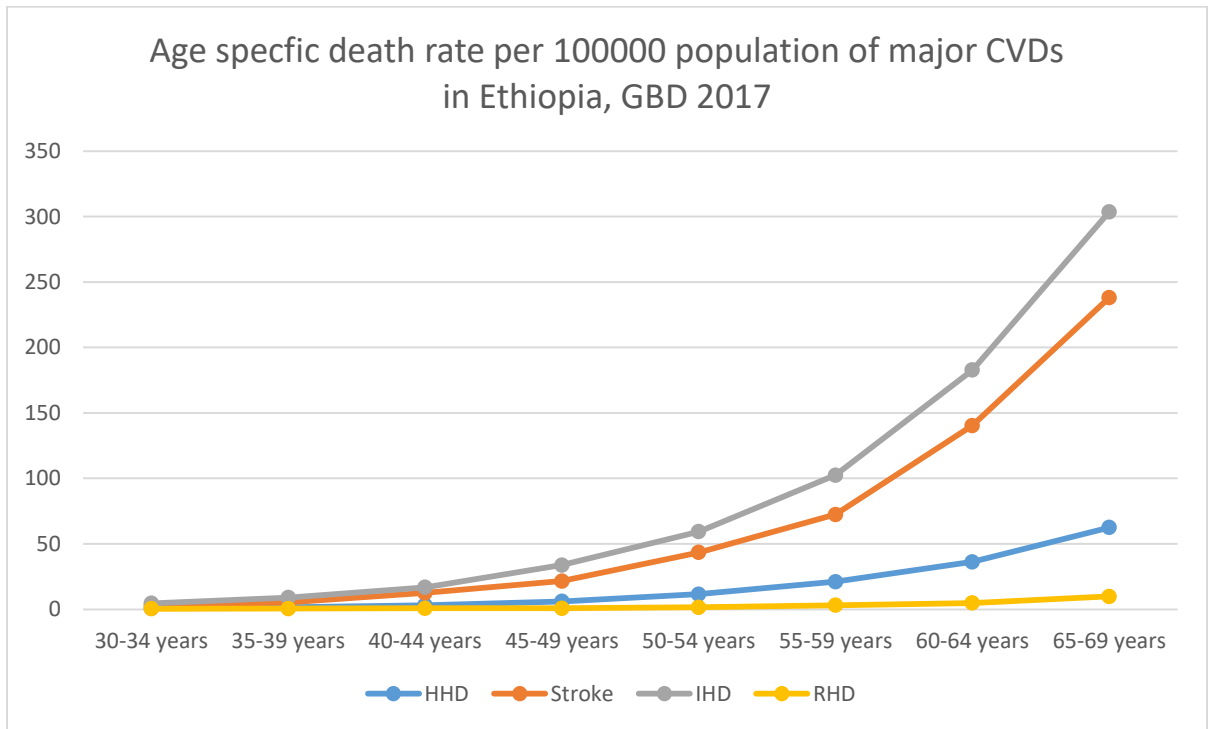


## NCD death rate by age and gender



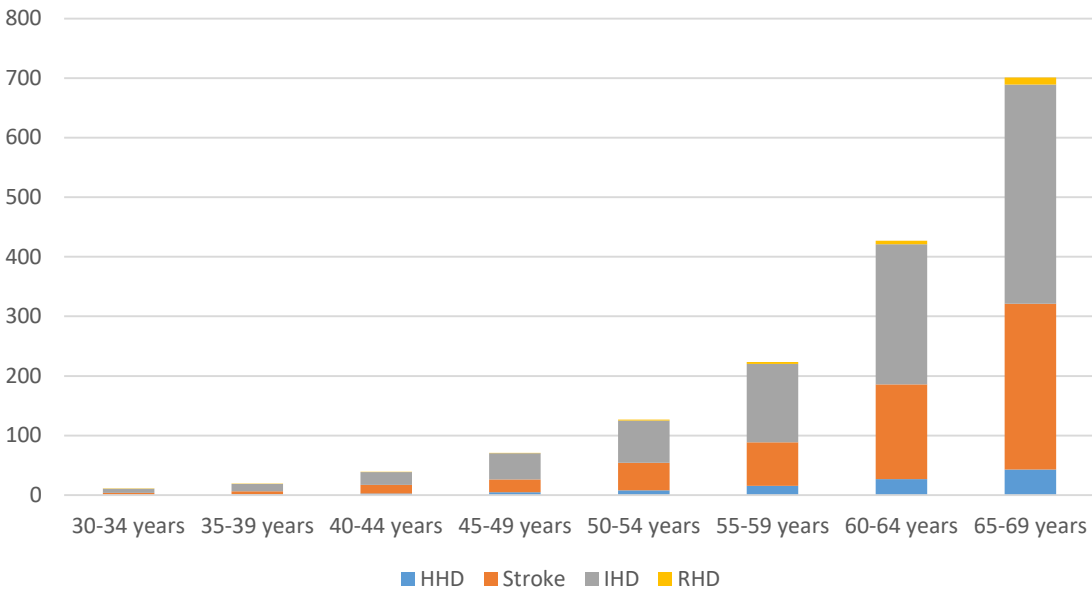


## CVD death rate

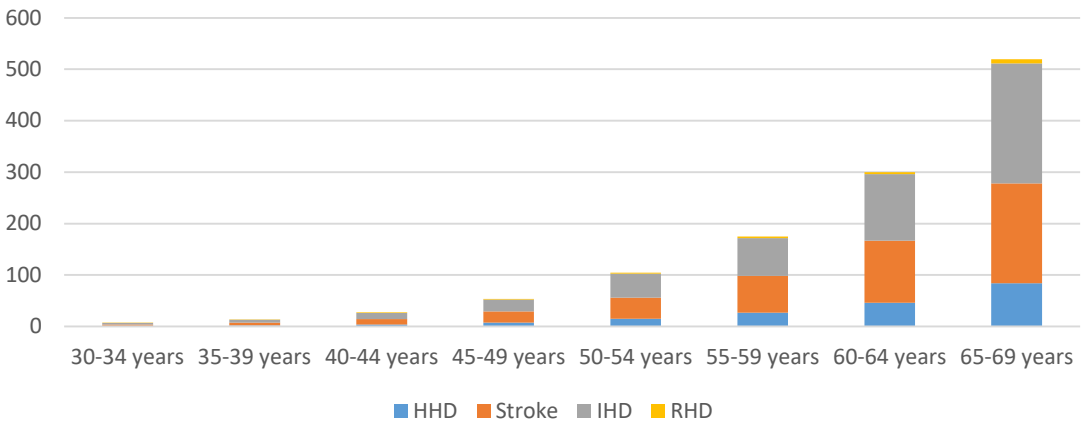




Age Specific death rate of major CVDs among Male, Ethiopia, GBD 2017

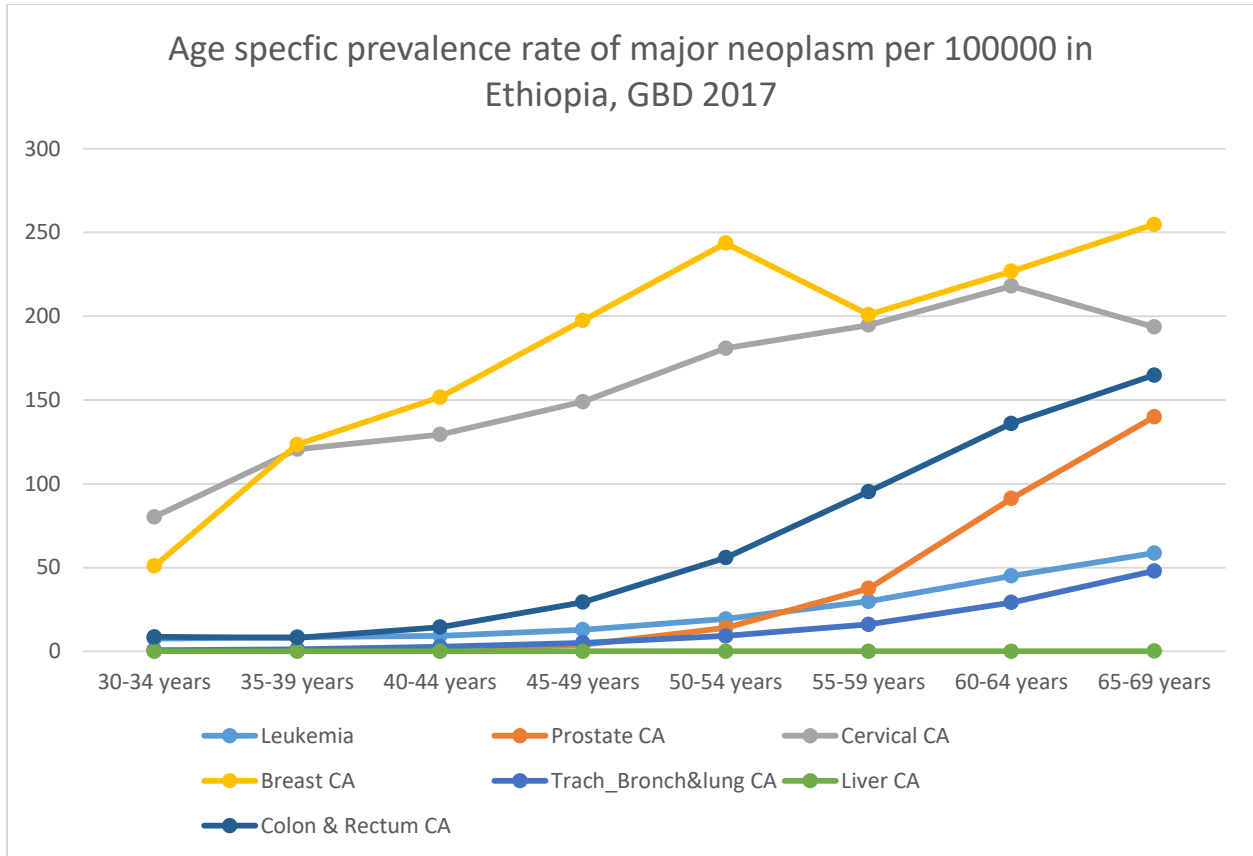


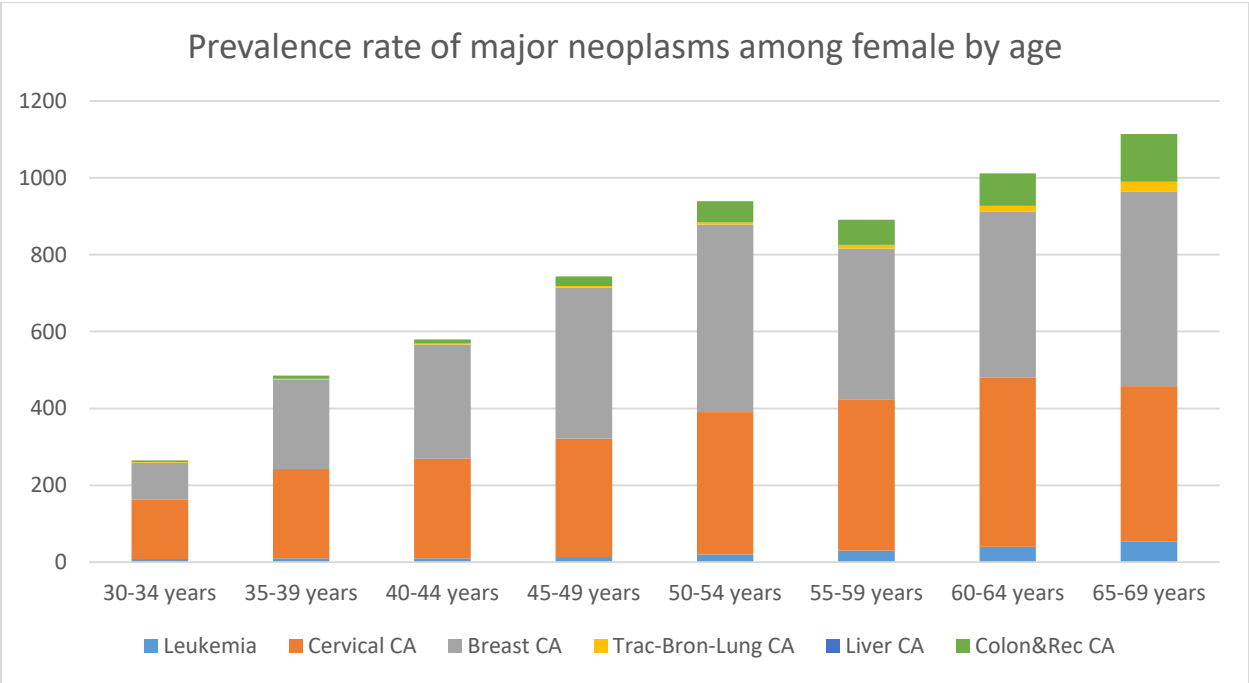
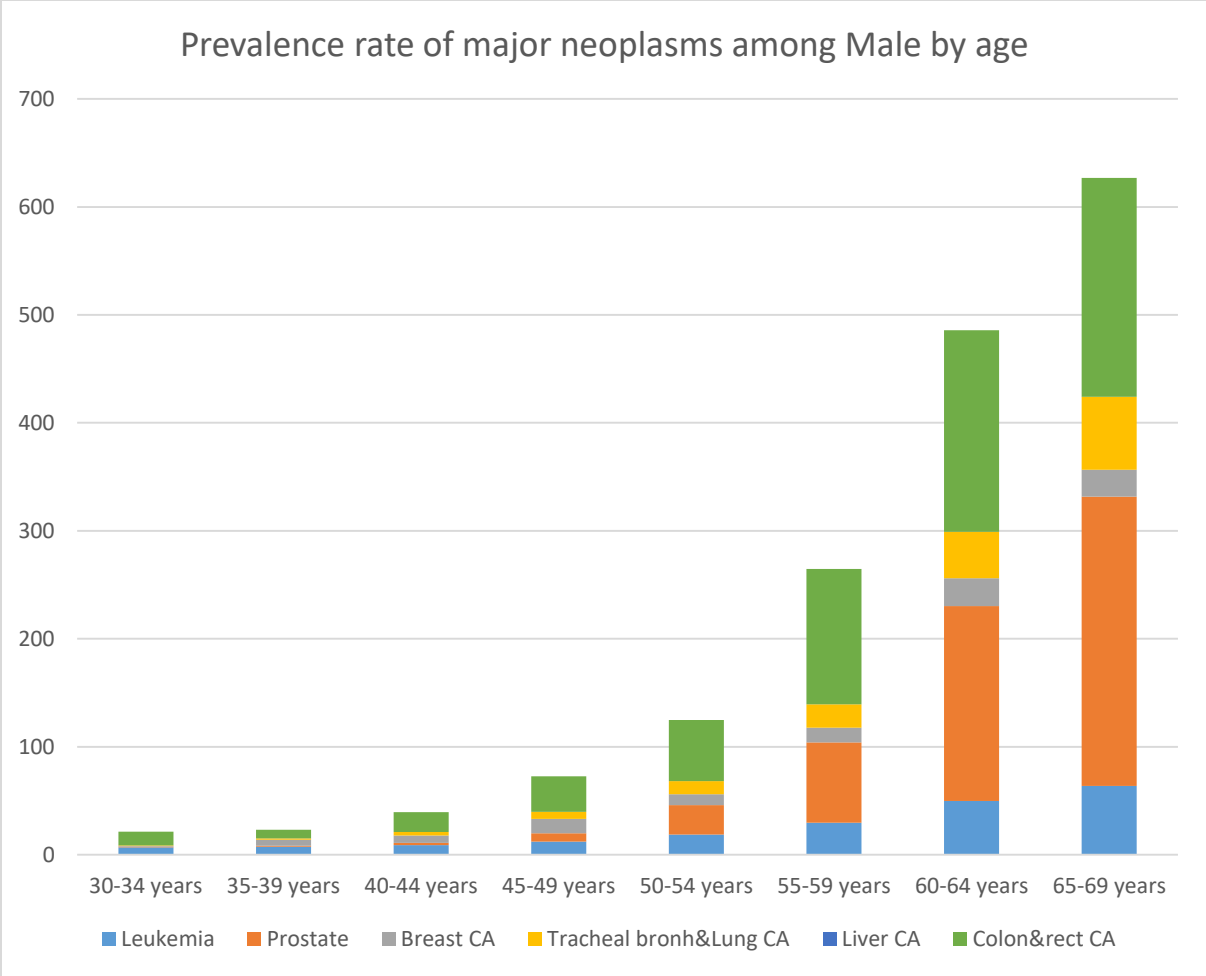
Age specific Mortality rate of major CVDS among female, GBD 2017, Ethiopia



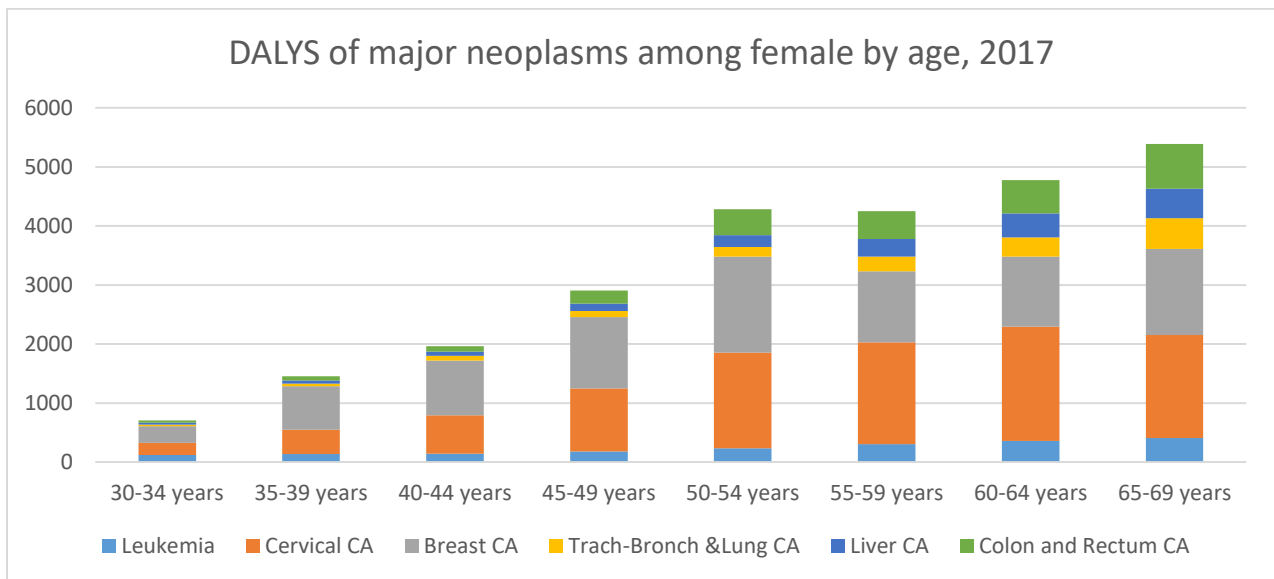
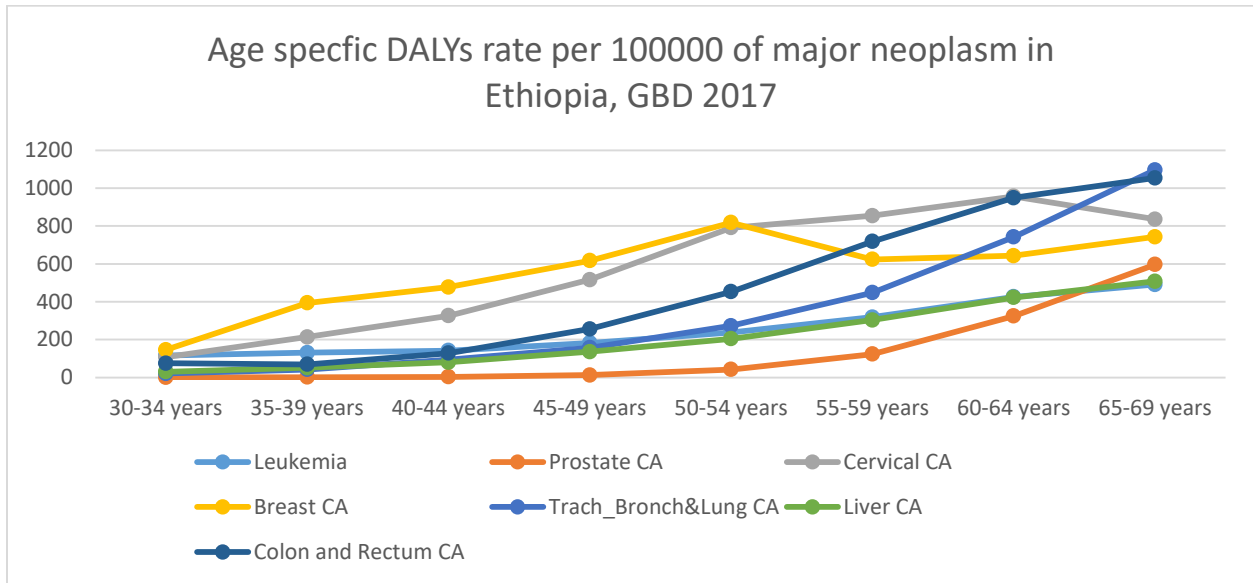
# Neoplasm estimate

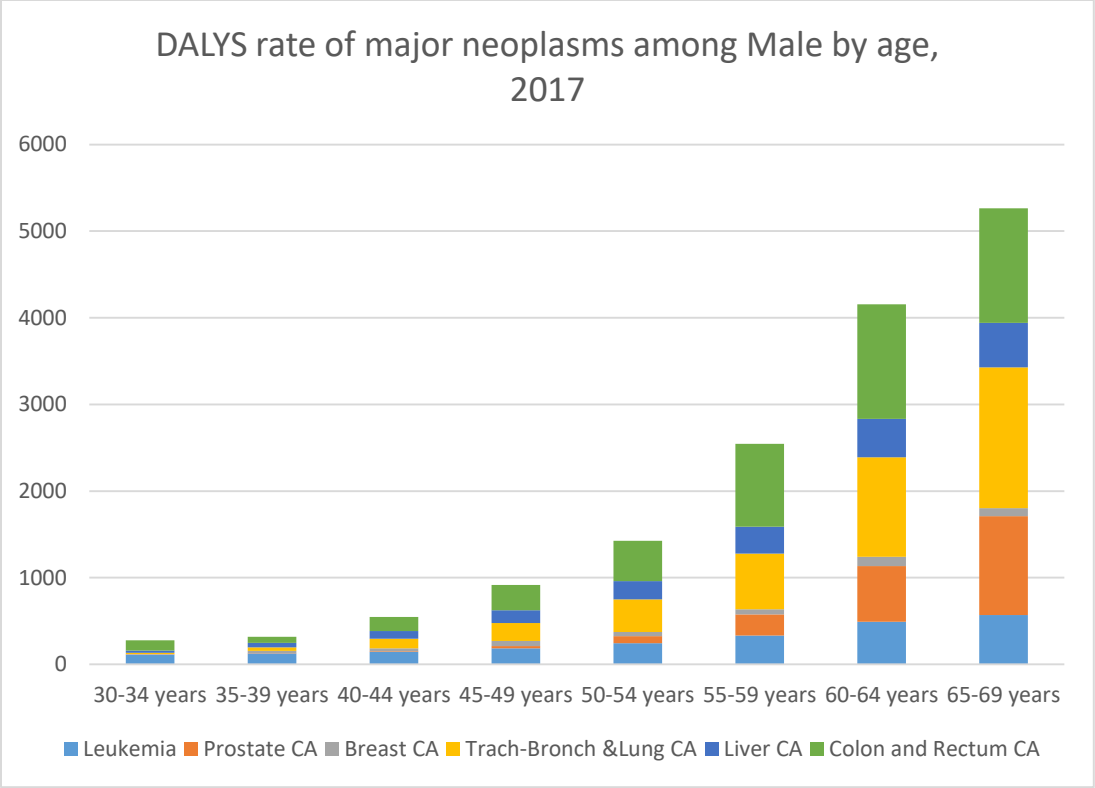
## Prevalence



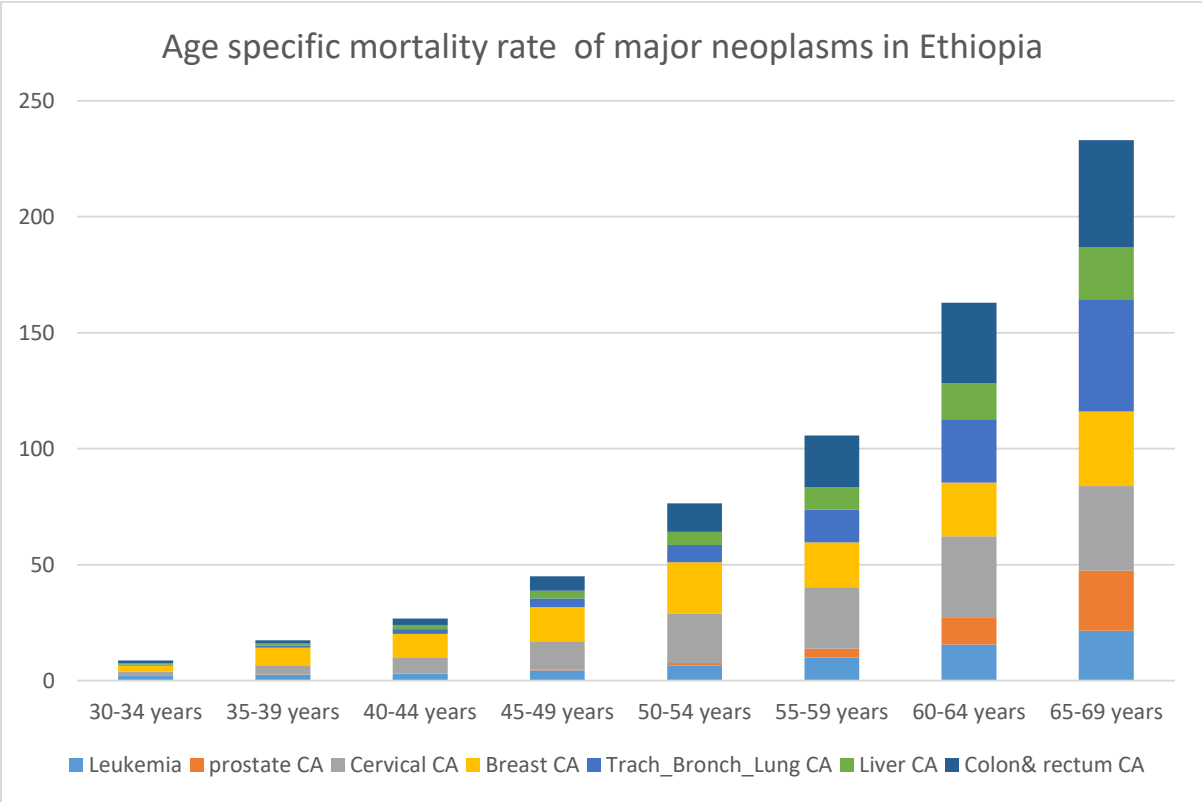


## DALYs

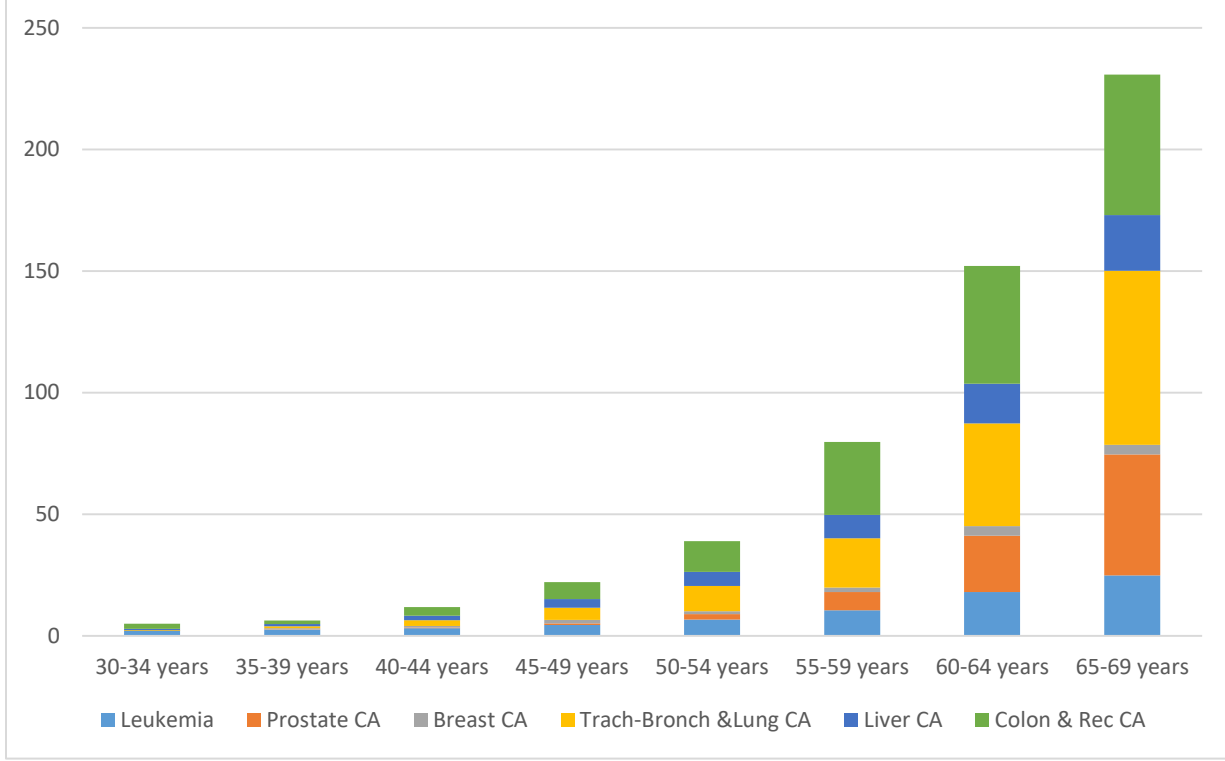


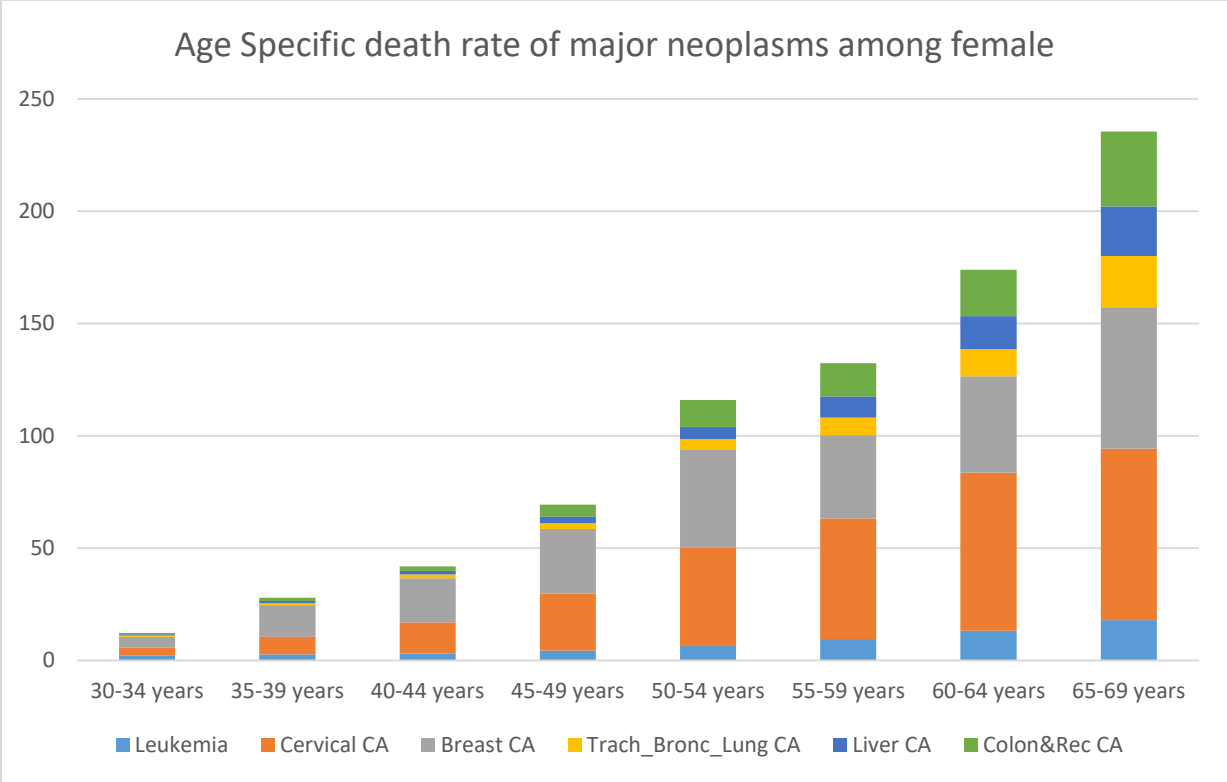


Deaths

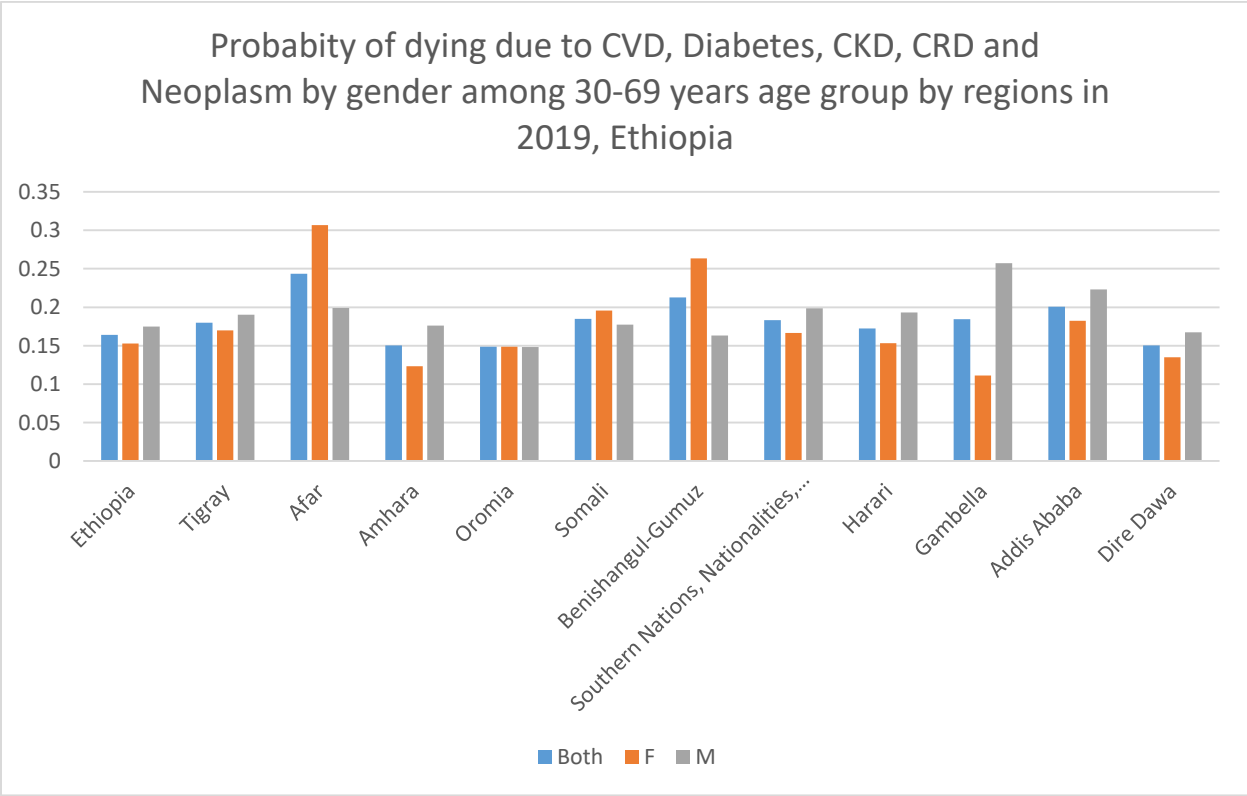


Age specific death rate of major neoplasms among Male

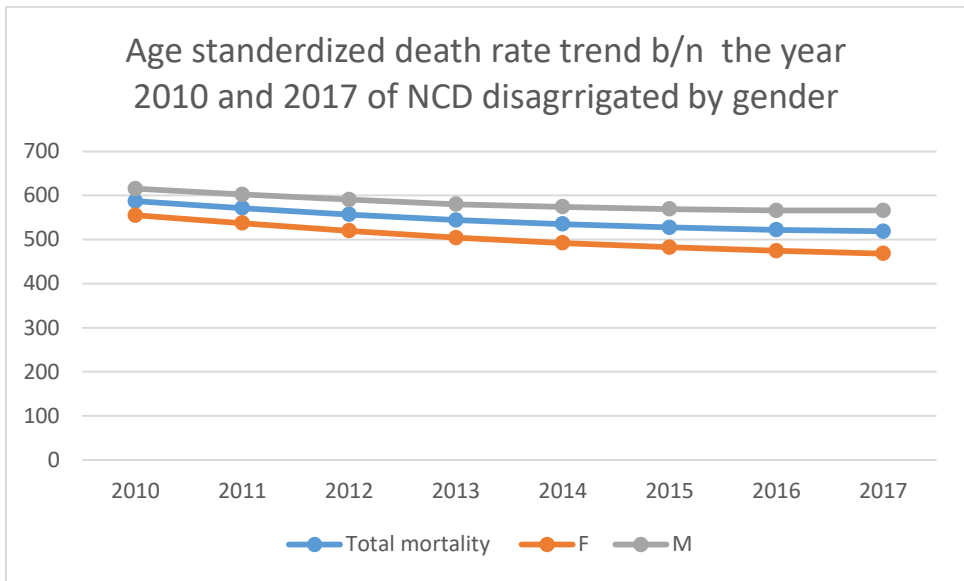
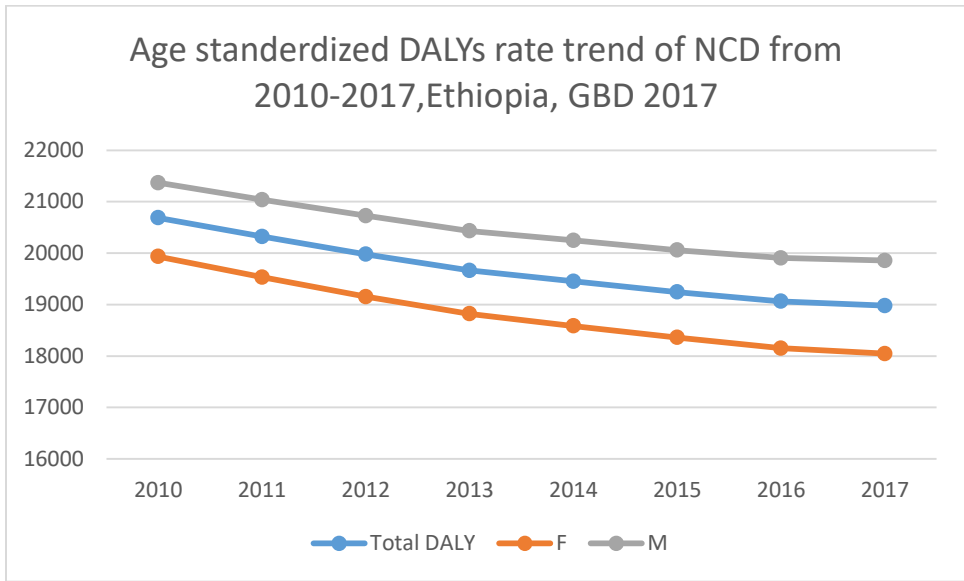




Probability of dying due to NCDs



Seven years trend of DALYs and deaths due to NCDs in Ethiopia



Disaggregated