

# Breast Cancer Analysis Dashboard

This Power BI dashboard is based on a breast cancer dataset. It includes essential patient information such as age, gender, breast cancer stage, histological type, as well as indicators related to breast cancer, including the expression levels of four proteins, ER, PR, HER2 status, and surgery type. The dashboard aims to provide clients with a better understanding of breast cancer and its surgical outcomes.

Breast cancer is a type of cancer that develops in the cells of the breast. It occurs when the cells in the breast grow and divide uncontrollably, forming a mass or lump. Breast cancer can spread to other parts of the body if not detected and treated early.

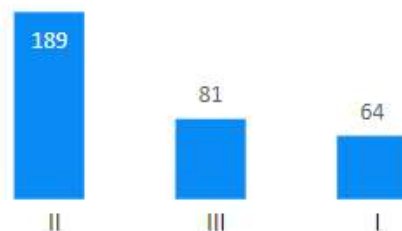


334  
Patient No.

330  
Female  
4  
Male



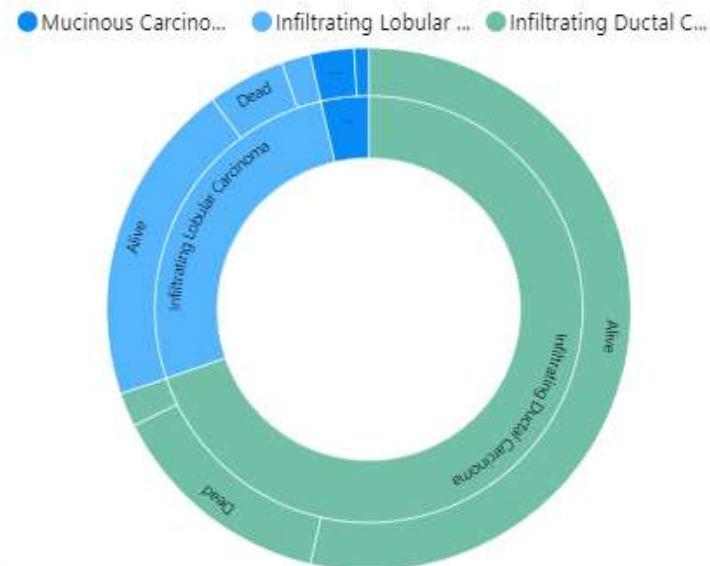
Patient No. by Tumour Stage



Patient No. and % by Age Group



Patient%. by Histology



Patient Status	Patient No.
Alive	255
Dead	66
None	13

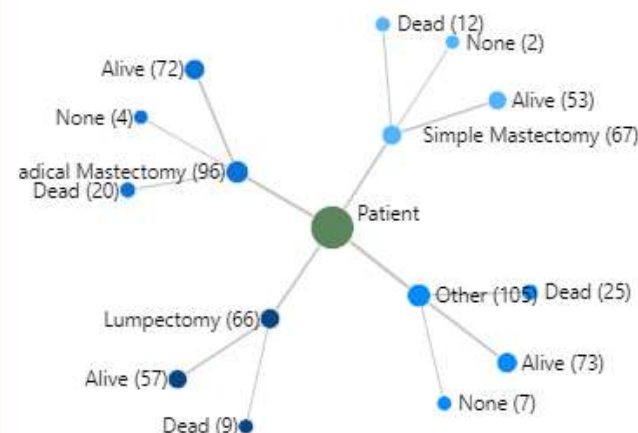


Details

Age	Gender	Status	Stage	Histology	Surgery type	Date of Surgery	ER status	PR status	HER2 status
29	Female	Dead	I	Infiltrating Lobular Carcinoma	Simple Mastectomy	18/03/2021	Positive	Positive	Negative
29	Female	Alive	II	Infiltrating Ductal Carcinoma	Other	18/06/2009	Positive	Positive	Negative
32	Female	Dead	I	Infiltrating Ductal Carcinoma	Modified Radical Mastectomy	18/11/2002	Positive	Positive	Negative
35	Female	Alive	II	Infiltrating Lobular Carcinoma	Other	18/10/2017	Positive	Positive	Negative
36	Female	Alive	III	Infiltrating Ductal Carcinoma	Modified Radical Mastectomy	17/01/2015	Positive	Positive	Negative
36	Female	Alive	III	Infiltrating Ductal Carcinoma	Modified Radical Mastectomy	18/07/2010	Positive	Positive	Negative



Patient No. by Type of Surgery



Breast cancer is a type of cancer that develops in the cells of the breast. It occurs when the cells in the breast grow and divide uncontrollably, forming a mass or lump. Breast cancer can spread to other parts of the body if not detected and treated early.

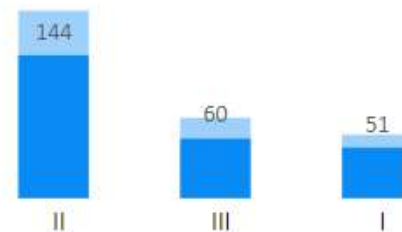


255  
Patient No.

252  
Female  
3  
Male

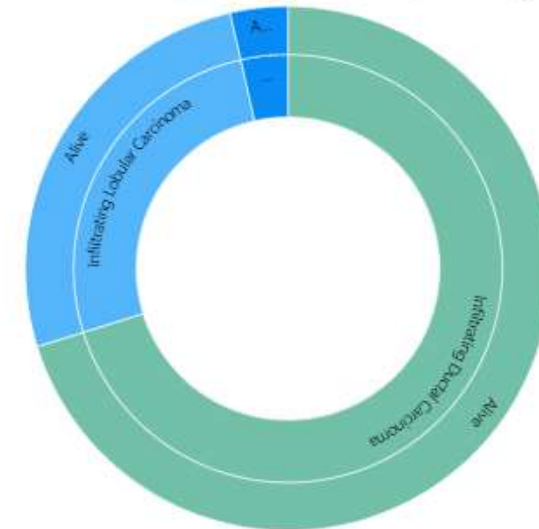


Patient No. by Tumour Stage

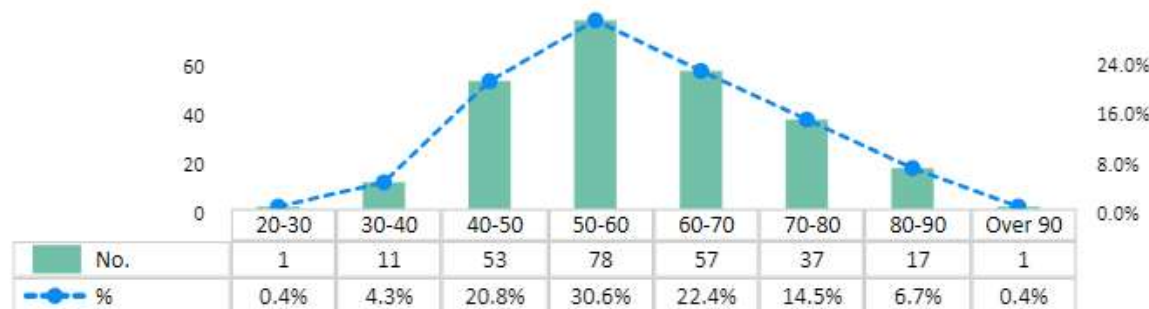


Patient%. by Histology

Mucinous Carcino... Infiltrating Lobular ... Infiltrating Ductal C...



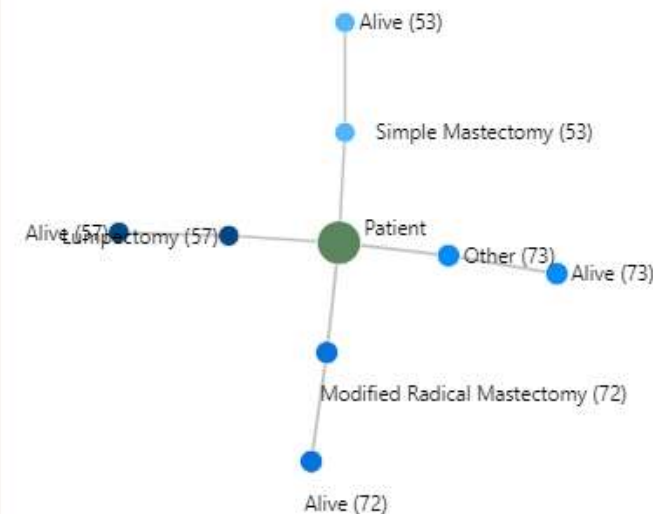
Patient No. and % by Age Group



Patient Status	Patient No.
Alive	255
Dead	66
None	13



Patient No. by Type of Surgery



Details

ogy	Surgery type	Date of Surgery	ER status	PR status	HER2 status	Protein1	Protein2	Protein3	Protein4
iting Ductal oma	Other	18/06/2009	Positive	Positive	Negative	0.00	0.89	-0.68	-0.18
iting Lobular oma	Other	18/10/2017	Positive	Positive	Negative	-0.82	1.79	-1.04	0.04
iting Ductal oma	Modified Radical Mastectomy	17/01/2015	Positive	Positive	Negative	0.08	0.43	0.55	0.27
iting Ductal oma	Modified Radical Mastectomy	18/07/2019	Positive	Positive	Negative	0.47	1.55	-0.17	-0.28
ious Carcinoma	Lumpectomy	17/06/2015	Positive	Positive	Negative	0.29	1.36	0.69	0.41
iting Ductal oma	Modified Radical Mastectomy	19/02/2014	Positive	Positive	Positive	-1.15	0.96	0.28	0.25

Age	Patient_Status	Tumour_Stage	Surgery_type	Protein1	Protein2	Protein3	Protein4
29	Dead	I	Simple Mastectomy	-0.11	0.94	-0.62	0.19
32	Dead	I	Modified Radical Mastectomy	0.13	1.46	-0.68	-0.01
36	Dead	III	Simple Mastectomy	0.23	0.62	-0.56	-0.52
40	Dead	II	Lumpectomy	0.34	1.72	0.44	-0.34
43	Dead	II	Lumpectomy	-0.42	0.58	0.61	-0.03
44	Dead	II	Other	0.73	1.11	-0.27	-0.35
45	Dead	II	Modified Radical Mastectomy	-0.28	1.43	-0.58	0.22
45	Dead	III	Simple Mastectomy	0.18	0.59	-0.51	0.40
46	Dead	II	Lumpectomy	-0.06	-0.51	0.89	-0.09
46	Dead	I	Other	-0.55	2.08	0.42	-0.81
47	Dead	II	Lumpectomy	0.33	-0.33	0.00	1.17
47	Dead	II	Modified Radical Mastectomy	-0.19	1.98	-0.01	0.04
47	Dead	III	Modified Radical Mastectomy	-0.53	1.12	0.44	0.62
47	Dead	III	Modified Radical Mastectomy	0.52	2.65	-0.10	-0.05
47	Dead	II	Other	0.12	0.79	-0.20	0.35
47	Dead	III	Other	0.58	0.94	-0.23	0.37
48	Dead	III	Simple Mastectomy	-0.22	-0.29	0.87	-0.24
49	Dead	III	Modified Radical Mastectomy	-0.20	0.27	-0.45	0.32
50	Dead	III	Modified Radical Mastectomy	-0.70	0.20	0.54	-0.02
50	Dead	III	Other	-0.16	2.15	-0.85	0.54
50	Dead	III	Other	0.34	0.65	-0.77	0.41
51	Dead	III	Modified Radical Mastectomy	0.19	2.66	1.20	0.19
51	Dead	II	Other	-0.85	1.68	1.70	-0.08
54	Dead	II	Other	0.00	1.38	-0.50	-0.51
54	Dead	II	Other	0.43	2.45	0.33	0.63
54	Dead	II	Simple Mastectomy	0.75	1.64	-0.33	0.86
56	Dead	II	Lumpectomy	-0.93	0.70	-0.60	-1.90

**Total**