Auckland Breast Cancer Register—12 Year Data

A special project of the Auckland Breast Cancer Study Group

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The Register was established against a background of important advances in all areas of breast cancer. Information about current practice plays a key role in supporting the multidisciplinary teams necessary for modern, high quality, evidenced-based care. Between 1st June 2000 and 31st May 2012, a total of 10399 patients were diagnosed with breast cancer within the Auckland region. The data for 9013 invasive incidents, representing 8809 patients, is presented below.

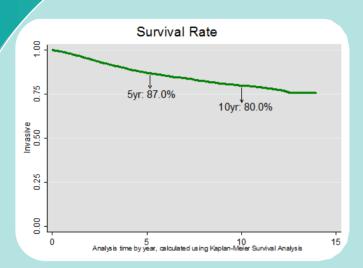
*European includes 'Other Minority Ethnicities' e.g. Middle Eastern, Latin American, African

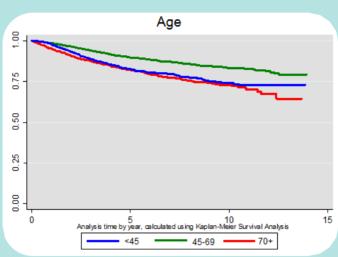
**Other includes lump, pain, skin change, nipple change, incidental finding and 37 unknown

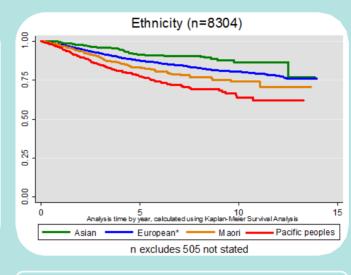
Survival Data — Breast Cancer-Specific

(by patient, invasive only, n=8809)

'Breast Cancer-Specific Survival Rate' includes breast cancer and unknown causes of death as events and the rest are non-events.





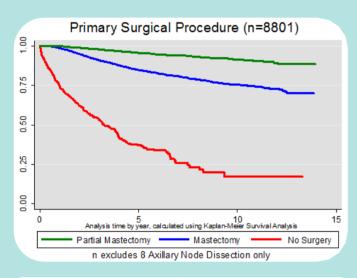


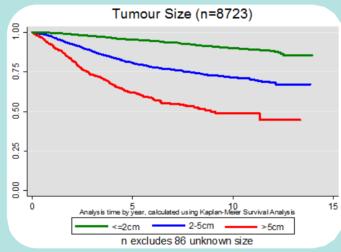
0	Presentation/Detection Method (n=8783)	
1.00		
0.75		
0.50		
0.25		
0.00	0 5 10	15
	Analysis time by year, calculated using Kaplan-Meier Survival Analysis	13
	Screen Detected Other*	
	n excludes 26 unknown	

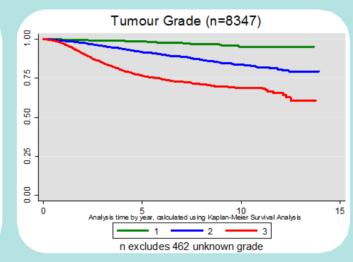
Age Distribution	5 Year (%)	10 Year (%)
<45 (n=1400, 15.9%)	82.5	75.1
45-69 (n=5589, 63.4%)	90.2	84.9
70+ (n=1820, 20.7%)	84.6	75.6

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Ethnic Distribution	5 Year (%)	10 Year (%)
Asian (n=762, 9.2%)	91.7	87.8
European* (n=6204, 74.7%)	88.3	81.9
Māori (n=659, 7.9%)	84.2	76.1
Pacific peoples (n=679, 8.2%)	78.1	67.6

Presentation/Detection Method	5 Year (%)	10 Year (%)
Screen Detected (n=3364, 38.3%)	96.1	92.2
Other** (n=5419, 61.7%)	82.8	75.2







	Hormone Receptor Status (n=8624)
1.0	The same of the sa
0.75	
0.50	
0.25	
0.0	
	0 5 10 15 Analysis time by year, calculated using Kaplan-Meier Survival Analysis
	ER+/PR+ ER+/PR- ER-/PR+ ER-/PR-
	n excludes 185 unknown and not tested

	1	
Primary Surgical Procedure	5 Year (%)	10 Year (%)
WLE/Partial Mastectomy (n=3752, 42.6%)	95.6	91.7
Mastectomy (n=4496, 51.1%)	84.7	76.7
No Surgery (n=553, 6.3%)	44.8	25.4

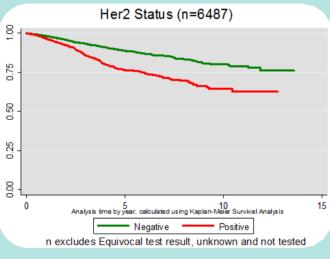
Tumour Size	5 Year (%)	10 Year (%)
≤2cm (n=4884, 56.0%)	95.5	90.5
2-5cm (n=3158, 36.2%)	81.4	74
>5cm (n=681, 7.8%)	63.8	53.6

Nodal Status

2.41-3.40

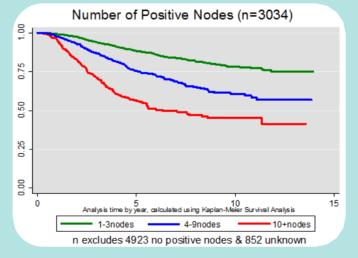
Tumour Grade	5 Year (%)	10 Year (%)
Grade 1 (n=2023, 24.2%)	98.4	95.7
Grade 2 (n=3746, 44.9%)	91.8	84.3
Grade 3 (n=2578, 30.9%)	77.5	71.2

Hormone Receptor Status	5 Year (%)	10 Year (%)
ER+ / PR+ (n=5556, 64.4%)	93.2	86.3
ER+ / PR- (n=1168, 13.5%)	83.6	76.4
ER- / PR+ (n=151, 1.8%)	84.4	81.2
ER- / PR- (n=1749, 20.3%)	74.9	70.9



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Negative Positive			Node Negative Node Positive No Axillary Surgery			
n excludes Equivocal test resu	ılt, unknown an	d not tested				
Her2 Status	5 Year (%)	10 Year (%)	Nodal Status	5 Year (%) 10 Year (%	
			Node Negative	95.6	91.8	
Negative (n=5440, 83.9%)	89.4	82.1	82.1	(n=4897, 55.6%)	95.0	91.0
Negative (11-3440, 03.970)			Node Positive	80.8	70.9	
			(n=3022, 34.3%)	00.0	70.9	
Positive (n=1047, 16.1%)	78	67.2	No Axillary Surgery	63.6	54.4	

0.50



Number of Positive Nodes

1-3 (n=1886, 62.2%)

5 Year (%) 10 Year (%)

79.5

88.2

Tumour Stage (n=8612)	
9.1	
92.0	
950	
0.28	
8-4	
0 To Analysis time by year, calculated using Kaplan-Meier Survival Analysis	15
T1 T2 T3 T4	
n excludes 193 Tx & 4 T0	

Tumour Stage

T1 (n=4473, 55.4%)

T2 (n=2980, 34.6%)

T3 (n=627, 7.3%)

T4 (n=232, 2.7%)

5 Year (%) 10 Year (%)

91.2

75.2

59.3

26.6

96.3

82.7

68.5

41.5

nastiva (n=5440 93 0%)	89.4	82.1	(11 1001, 00
egative (n=5440, 83.9%)	09.4	02.1	Node Posit
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			8 J
			92.0
			8: -

Positive ()22, 34.3%)	80.8	70.9	4-9 (n=698, 23.0%)	75.6	62.4
killary Surgery 00, 10.1%)	63.6	54.4	10+ (n=450, 14.8%)	56.7	47.8
Nottingham Prognostic Index (NPI)		Nottingham Prognostic Index	5 Year (%)	10 Voar (
			Hottingham Frognostic index	3 Tear (70)	io rear (
			≤2.40, excellent prognosis (n=1308, 14.8%)	99.5	98
			2.41-3.40 , good prognosis (n=1895, 21.5%)	98	93.5
			3.41-4.40, moderate prognosis		

15

Nottingham Prognostic Index	5 Year (%)	10 Year (%)
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2.41-3.40 , good prognosis (n=1895, 21.5%)	98	93.5
3.41-4.40 , moderate prognosis group 1 (n=1787, 20.3%)	94.1	88.2
4.41-5.39, moderate prognosis group 2 (1344, 15.3%)	86.8	78.5
≥5.4, poor prognosis (n=1500, 17.0%)	69.1	59
n/a (n=975, 11.1%)	65.8	55.3

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