



The influence of MDT care on survival from Breast Cancer

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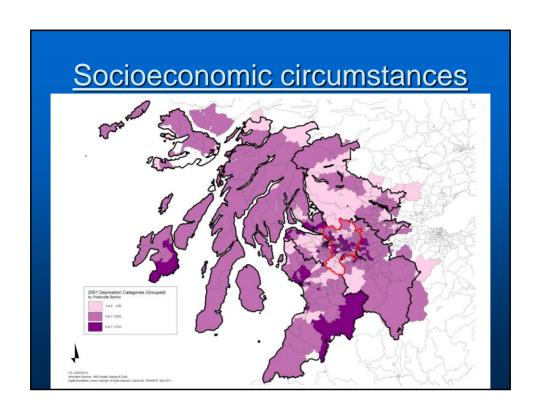
Objective

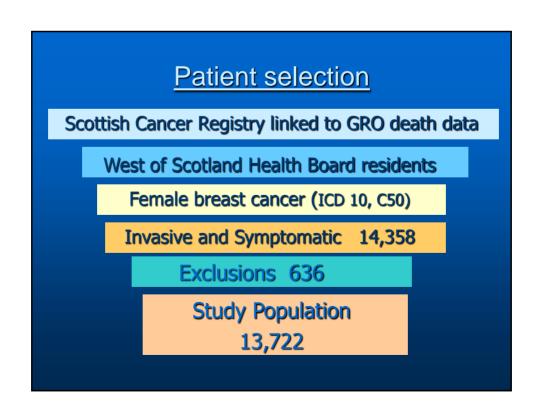
Does the Multi Disciplinary
Team (MDT) model of care
contribute to improved survival of
women with breast cancer?

Definition of MDT

- A specialist breast surgeon operating
 on > 50 breast cancers per year.
- Plus a pathologist, oncologist, radiologist, specialist nurse.
- Evidence based guidelines.
- Formal weekly MDT meeting.
- Audit of clinical activity.

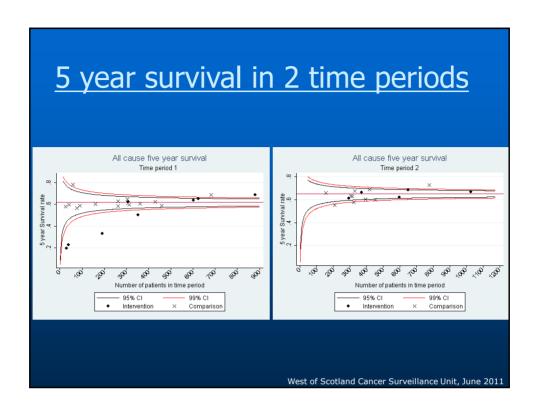
Study design - Intervention			
1990	5 West of Scotland health boards (population)		
	4 health boards (1.6 million)	1 health board (900,000)	
Mid 1995	Without intervention	Intervention MDT	
2000	Comparison 4 health boards	<u>Intervention</u> 1 health board	





Pre MDT (1990-mid1995)			
	Comparison (%)	Intervention (%)	p-value
Age (years)			
<=49	853 (21.8)	735 (23.8)	0.262
50-64	1,299 (33.2)	996 (32.2)	
65-79	1,236 (31.6)	948 (30.7)	
80+	525 (13.4)	409 (13.2)	
Deprivation			
Most affluent	448 (11.4)	548 (17.7)	< 0.001
Intermediate	2,745 (70.1)	1,298 (42.0)	
Most deprived	720 (18.4)	1,242 (40.2)	

Post MDT (mid 1995-2000)			
	Comparison (%)	Intervention (%)	p-value
Age (years)			
<=49	823 (21.9)	739 (25.0)	< 0.001
50-64	1,131 (30.1)	751 (25.3)	
65-79	1,220 (32.5)	1,032 (34.8)	
80+	585 (15.5)	440 (14.9)	
Deprivation			
Most affluent	449 (11.9)	533 (18.0)	< 0.001
Intermediate	2,684 (71.4)	1,255 (42.4)	
Most deprived	626 (16.7)	1,174 (39.6)	



<u>Survival – all cause</u>			
	Comparison Hazard ratio	Intervention Hazard ratio	
1990-1995	1	1.07 (0.99,1.16)	
Post MDT 1995-2000	1	0.89 (0.82,0.98)	
p= 0.002 interaction Adjusted for age & deprivation			

0	1	4		
Survival	<u> — nr</u>	east	cancer	SDECITIC
Carvival		<u>oaoi</u>	<u>oarroor</u>	OPCOMIC

	Comparison Hazard ratio	Intervention Hazard ratio	
1990-1995	1	1.11 (1.01,1.27)	
Post MDT 1995-2000	1	0.83 (0.74,0.92)	

p= 0.002 interaction

Adjusted for age & deprivation

Objective

Does the MDT model of care contribute to improved survival of women with breast cancer?

Key findings

- Introduction of MDTs was associated with:
 - 11% lower all-cause mortality
 - 17% lower breast cancer specific mortality
- 2. And there was a reduction in survival variations between hospitals.

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