

ALERT/HIT 2001-2005

A snapshot of some key learning's



Appendix one: ALERT/HiT Clients

(C.)
Recruited
Clients who
continue to re-present.
Clients with the most
complex & multiple needs.
Average 10%

ordination, collaborative care planning

Ongoing care-co-

Recruited for outreach

Care co-ordination/ case management short-medium term

ongoing

(B) Clients assessed that meet the target criteria of a frequent presenter or at risk of frequent presentations, with one or more of the following risk factors: Homelessness, Substance misuse, Mental Health issues, Disability and/ or complex aged care issues. Average 30% of clients

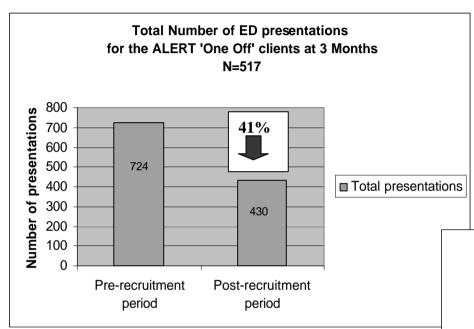
ED based event management- Allied Health & Discharge planning

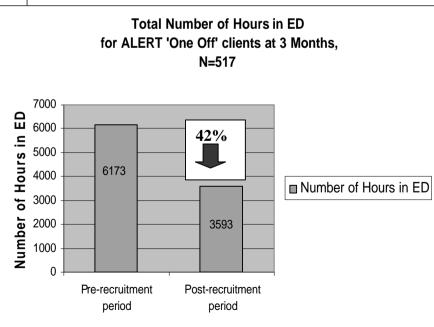
Care co-ordination & outreach

(A) Clients who present to the ED, who don't met the criteria for recruitment but require intervention within the ED setting. Largely characterised by clients who require an allied health intervention, assistance to co-ordinate existing community services and/or referral to appropriate services to optimise outcomes and prevent admission/ re-presentation. Average 60% of clients

One off ED event management







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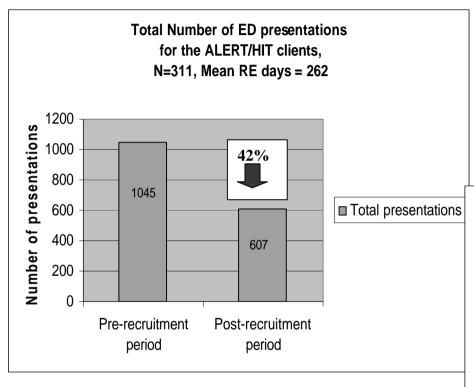
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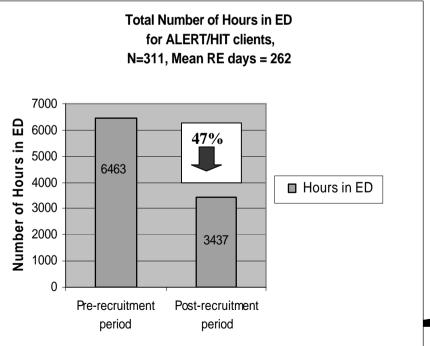
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ED based event management- Allied Health & Discharge planning

Care co-ordination and outreach

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One off ED event co-ordination

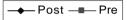


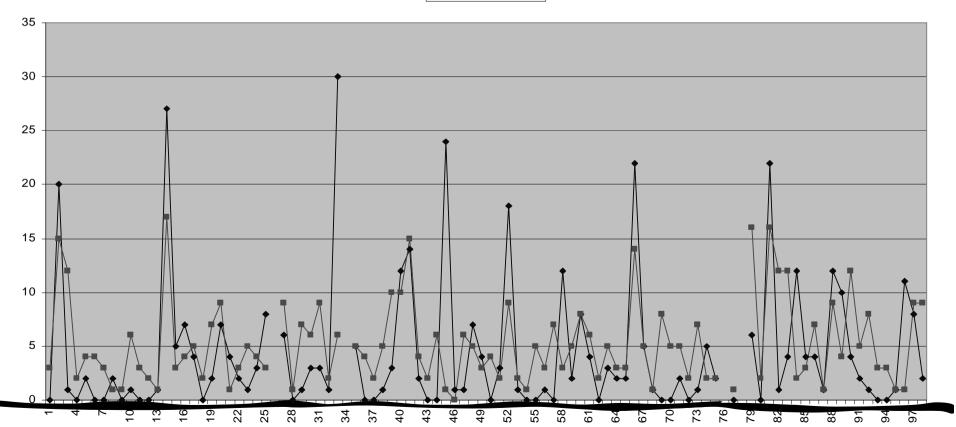
Research initiative

- All clients recruited to the program between Nov 02 and March 03
- Track a year pre and a year post of Ed presentations, hours in ED and admissions
- Data mining outlier cohort.



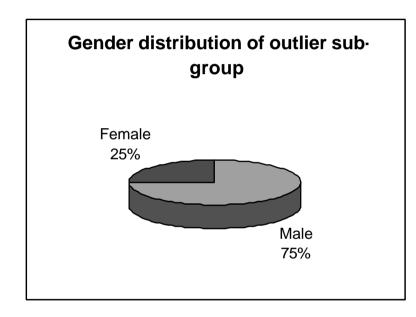
Initial findings Number of ED presenation pre and post

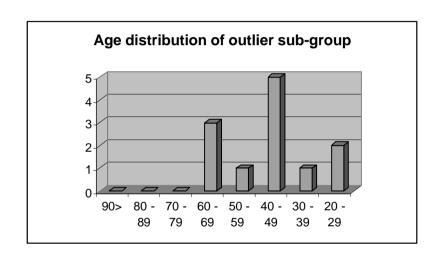


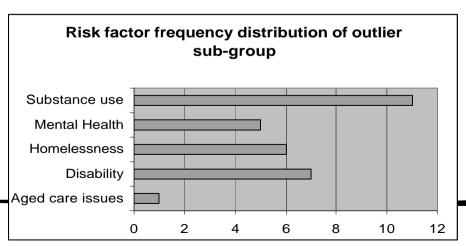




The 'outliers'







The stats

	All		Outliers		Outlier	
	Cases		Removed		Cases	
	N =		N = 82	10000	N = 12	
	94					
	test	p value	test	p value	test	p value
	value	(2-	value	(2-	value	(2-tailed)
		tailed)		tailed)		
Length of Stay						
Paired t-test (t)	535	.594	-2.45	.016*	3.16	.009**
Signed Rank (Z)	-1.73	.083	-3.44	.001**	-2.83	.005**
Admissions				W 44 2 2 7		
Paired t-test (t)	285	.776	-5.16	.000***	3.57	.004**
Signed Rank (Z)	-2.25	.024*	-4.70	.000***	-2.94	.003**
Presentations				7. 7		
Paired t-test (t)	-1.44	.154	-7.20	.000***	5.64	.000***
Signed Rank (Z)	-2.93		-5.88	.000***	-3.07	.002**
		.003**				
Hrs in ED						
Paired t-test (t)	974	.333	-5.82	.000***	5.60	.000***
Signed Rank (Z)	-2.59		-5.09	.000***	-3.06	.002**
		.009**				



Data Mining

- Multiple risk factors- Primarily alcohol
- An average of 7 'other' services involved in care
- Featured in service 'failures', refusers or did not engage
- No GP's/GP or ED shopping
- Chronic illness and ED role as primary service provider



	00111				
	Clients recruited Nov 02- March 03		Clients recruited Jan 04-May 04		
	N=94		N=53	_	
	Test Value	P Value	Test value	P value	
Length of Stay					
Paired t-test (t)	535	.594	1.93	.059	
Signed Rank test (Z)	-1.73	.083	-3.56	.000**	
Admissions					
Paired t-test (t)	285	.776	1.97	.054	
Signed Rank test (Z)	-2.25	.024*	-3.99	.000**	
Presentations					
Paired t-test (t)	-1.44	.154	1.99	.052	
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Hrs in ED					
Paired t-test (t)	974	.333	.062	.062	
Signed Rank	-2.59	.009**	.000**	.000**	
test (Z)					