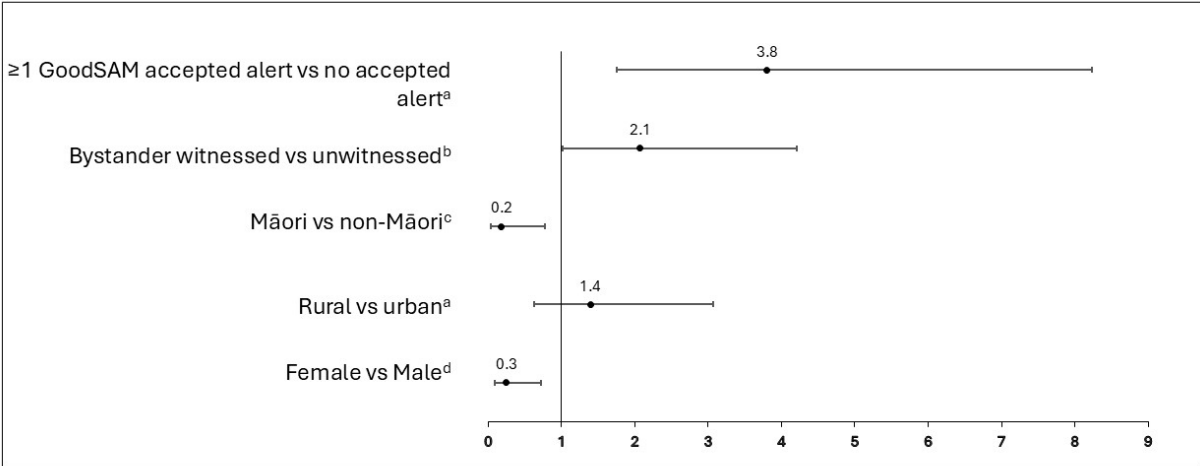


Figure 1: Sub-group analysis of community defibrillation in home-based out-of-hospital cardiac arrest (OHCA) events.



- a. Adjusted for age, sex, deprivation, ethnicity and witness status
- b. Adjusted for age, sex, deprivation and ethnicity
- c. Adjusted for age, sex, deprivation and witness status
- d. Adjusted for age, deprivation, ethnicity and witness status

Table 1: Out-of-hospital cardiac arrest (OHCA) patient and event characteristics and community interventions in relation to arrest location.

		Total OHCA ^a		Home location		Public location		Pearson Chi-squared test/ Mann-Whitney U test <i>p</i> -value
		n	%	n	%	n	%	
Total cases		2,420	100%	1,842	76.1%	578	23.9%	
Patient demographics								
<i>Age</i>		Median (inter-quartile range [IQR])	65 (51–75)	Median (IQR)	66 (52–77)	Median (IQR)	62 (49–71)	<0.001
<i>Ethnicity</i>	Māori	580	100%	454	78.3%	126	21.7%	0.279
	Pacific peoples	279	100%	218	78.1%	61	21.9%	
	Non-Maori/non-Pacific	1,541	100%	1,161	75.3%	380	24.7%	
	Missing data (residual/non-stated)	20	0.8%					
<i>Sex</i>	Female	714	100%	610	85.4%	104	14.6%	<0.001
	Male	1,704	100%	1,230	72.2%	474	27.8%	
	Missing data	2	0.1%					
<i>Rurality</i>	Urban	1,688	100%	1,287	76.2%	401	23.8%	0.834
	Rural	583	100%	442	75.8%	141	24.2%	
	Missing data	149	6.2%					
<i>New Zealand Deprivation Quintile</i>	1	314	100%	232	73.9%	82	26.1%	0.131
	2	362	100%	275	76.0%	87	24.0%	
	3	412	100%	312	75.7%	100	24.3%	
	4	494	100%	386	78.1%	108	21.9%	
	5	742	100%	596	80.3%	146	19.7%	
	Missing data	96	4.0%					

Table 1 (continued): Out-of-hospital cardiac arrest (OHCA) patient and event characteristics and community interventions in relation to arrest location.

		Total OHCA ^a		Home location		Public location		Pearson Chi-squared test/ Mann-Whitney U test <i>p</i> -value
Event characteristics								
<i>Aetiology</i>	Presumed cardiac	1,908	78.8%	1,454	78.9%	454	78.5%	0.842
	Other	512	21.2%	388	21.1%	124	21.5%	
<i>Witnessed</i>	Bystander	1,277	52.8%	903	49.0%	374	64.7%	<0.001
	Unwitnessed	1,143	47.2%	939	51.0%	204	35.3%	
<i>Initial rhythm</i>	Shockable	898	38.1%	580	32.4%	318	55.7%	<0.001
	Non-shockable	1,462	61.9%	1,209	67.6%	253	44.3%	
	Missing data	60	2.5%					
Community interventions								
<i>Bystander cardiopulmonary resuscitation</i>	Yes	1,821	75.2%	1,336	72.5%	485	83.9%	<0.001
	No	599	24.8%	506	27.5%	93	16.1%	
<i>GoodSAM accepted alert</i>	Yes	1,048	43.3%	801	43.5%	247	42.7%	0.750
	No	1,372	56.7%	1,041	56.5%	331	57.3%	
<i>Community defibrillation^b</i>	Yes	125	5.2%	37	2.0%	88	15.2%	<0.001
	No	2,295	94.8%	1,805	98.0%	490	84.8%	

^a OHCA defined as out-of-hospital cardiac arrest where resuscitation was attempted by emergency medical services (EMS) or there was defibrillation prior to EMS arrival. EMS witnessed OHCA have been excluded. OHCA occurring in locations other than home or public have been excluded.

^b Community defibrillation is defined as defibrillation before the arrival of EMS. EMS includes all dispatched responders (ambulance, Fire and Emergency New Zealand, police, etc.).