

# M R S A R E P O R T

05/7: 15 February 2005

## HEALTHCARE FACILITIES ASSOCIATED\* WITH MULTIRESISTANT MRSA IN THE LAST 13 WEEKS: 13 November 2004-11 February 2005

Healthcare facility (HCF)	Date MRSA last isolated	Persons with MRSA	Strain (MRSA Report No. in which strain first described)	Ward/Dept where cross-infection occurred	Date cross-infection strain last isolated
Whangarei Hospital	6.01.05	6	1 AKh4 (01/50) 3 WR/AK1 (98/38)		
Auckland City Hospital	4.02.05	37	13 AKh4 1 EMRSA-15 (99/3)  15 EMRSA-15 2 WR/AK1 1 WSPP2 (94/17)	10D, Older Peoples Health	16.11.04
Middlemore Hospital	29.01.05	61 <sup>φ</sup>	2 AKh4 9 AKh4 46 EMRSA-15 3 WR/AK1 1 WSPP2	ICU  #	6.12.04  29.01.05
North Shore Hospital	28.01.05	36	7 AKh4 12 AKh4 11 EMRSA-15 2 WR/AK1	8, Surgical	23.01.05
Starship Children's Health, Auckland	2.02.05	5	1 AKh4 1 DN1 <sup>ψ</sup> (05/7) 1 WR/AK1 1 WSPP2		
Waitakere Hospital	23.12.04	2	1 AKh4 1 EMRSA-15		
Northbridge Hospital, Auckland	25.01.05	2	2 EMRSA-15		
Other Auckland HCFs <sup>†</sup>	28.01.05	66	6 AKh4 57 EMRSA-15 1 WR/AK1		
Thames Hospital	6.12.04	2	2 EMRSA-15		
Waikato Hospital	22.01.05	12	2 AKh4 9 EMRSA-15 1 WR/AK1		
Matariki Hospital, Te Awamutu	19.01.05	2	2 EMRSA-15		
Other Hamilton HCFs <sup>†</sup>	11.01.05	5	1 AKh4 3 EMRSA-15		
Tauranga Hospital	30.01.05	6	2 EMRSA-15 3 WR/AK1		
Rotorua Hospital	29.11.04	2	1 EMRSA-15 1 WR/AK1		
Whakatane Hospital	1.02.05	6	6 EMRSA-15		
Mary Shapley Health & Lifecare, Whakatane	7.12.04	2	2 EMRSA-15		
Taranaki Base Hospital	7.01.05	3	1 AKh4 1 AKh4 1 EMRSA-15	1, ATR	14.11.04
Hawkes Bay Hospital	17.01.05	6	2 EMRSA-15 2 EMRSA-16 (99/32) 2 WR/AK1		
Palmerston North Hospital	29.12.04	3	1 AKh4 2 EMRSA-15		
Hutt Hospital	2.02.05	3	3 EMRSA-15		
Wellington Hospital	4.02.05	8	8 EMRSA-15		
Other Wellington HCFs <sup>†</sup>	2.02.05	2	2 EMRSA-15		
Christchurch Hospital	11.01.05	3	2 EMRSA-15		
Leslie Groves Hospital, Dunedin	7.01.05	2	1 EMRSA-15		

\* MRSA isolated from at least two patients or staff, including discharged patients, but not patients isolated on admission.

# Cross-infection has occurred in several wards in the healthcare facility.

† Healthcare facilities whose names are withheld from publication or are unknown.

φ 1 person has two different multiresistant strains.

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## MULTIRESISTANT MRSA NEWLY CONFIRMED: 5-11 February 2005

### HEALTHCARE FACILITY

- Auckland City Hospital: 4 patients: 2 with AKh4 strain;  
1 with EMRSA-15 strain;  
1 with multiresistant WSPP2 strain.
- Middlemore Hospital: 2 patients with EMRSA-15 strain.
- North Shore Hospital: 4 patients with EMRSA-15 strain.  
1 staff with EMRSA-15 strain.
- Starship Children's Health, Auckland: 3 patients: 1 with AKh4 strain;  
1 outpatient clinic patient with WR/AK1 strain;  
1 with multiresistant WSPP2 strain.
- Whakatane Hospital: 2 patients with EMRSA-15 strain, including 1 emergency department patient.
- Wellington Hospital: 2 patients with EMRSA-15 strain.
- Wellington healthcare facilities †: 1 patient with EMRSA-15 strain.

### HEALTHCARE FACILITY (but patient in isolation from time of admission)

- Whakatane Hospital: 1 patient with EMRSA-15 strain.

### COMMUNITY

- Auckland: 3 people: 2 with AKh4 strain;  
1 healthcare worker with EMRSA-15 strain isolated during pre-employment screening.
- Waikato: 1 person with EMRSA-15 strain.
- Tauranga: 1 person with EMRSA-15 strain.
- Rotorua: 1 person with WR/AK1 strain.
- Hawkes Bay: 1 person with WR/AK1 strain.
- Hutt: 1 person with EMRSA-15 strain.
- Wellington: 1 person with DN1 strain<sup>ψ</sup>.
- Otago: 1 person with EMRSA-15 strain.

## CURRENT OUTBREAKS OF NON-MULTIRESISTANT MRSA

Non-multiresistant EMRSA-15 (ciprofloxacin-resistant, erythromycin-susceptible) was newly isolated from 1 patient in Rotorua Hospital.

<sup>ψ</sup> The DN1 MRSA strain is a newly designated MRSA strain. DN1 MRSA is resistant to ciprofloxacin and erythromycin. It commonly strongly reacts with phages 52, 52A, 79, 80, 53, 54, 83A, 85 and 95; occasionally strongly reacts with phages 81, 77 and 83A; and has additional weak reactions with other phages. The DN1 MRSA strain was originally recognised from 4 Dunedin community patients in late 2004, and has been subsequently isolated from 9 patients in various North Island locations.

† Healthcare facilities whose names are withheld from publication or are unknown.