

Table 1: Re-collection of staff ethnicity via survey for staff who had no ethnicity stated in the Auckland and Waitematā human resources (HR) systems, showing prioritised ethnicity.

	Auckland		Waitematā		Overall	
	N	%	N	%	N	%
Total	9,877	100.0	7,662	100.0	17,539	100.0
Ethnicity “not stated”, N (% of total)	1,493	15.1	488	6.4	1,981	11.3
Responded, N (% of ethnicity “not stated”)	727	48.7	122	25.0	849	42.9
Level 2, N (% of responded)^a						
NZ European	358	49.2	59	48.4	417	49.1
Other European	91	12.5	25	20.5	116	13.7
Indian	45	6.2	6	4.9	51	6.0
NZ Māori	32	4.4	6	4.9	38	4.5
Southeast Asian	26	3.6	<3	<2.5	28	3.3
Chinese	24	3.3	0	0.0	24	2.8
Other Asian	19	2.6	3	2.5	22	2.6
Samoan	16	2.2	3	2.5	19	2.2
Other ethnicity	12	1.7	<3	<2.5	14	1.6
Middle Eastern	11	1.5	0	0.0	11	1.3
African	7	1.0	4	3.3	11	1.3
European not further defined	7	1.0	0	0.0	7	0.8
Tongan	6	0.8	3	2.5	9	1.1
Cook Island Māori	5	0.7	0	0.0	5	0.6
Niuean	4	0.6	<3	<2.5	5	0.6
Not stated	58	8.0	6	4.9	64	7.5
Level 1, N (% of responded)						
European	456	62.7	84	68.9	540	63.6
Asian	116	16.0	11	9.0	127	15.0
Pacific peoples	34	4.7	9	7.4	43	5.1
NZ Māori	32	4.4	6	4.9	38	4.5
Middle Eastern/Latin American/ African	19	2.6	4	3.3	23	2.7
Other ethnicity	12	1.7	<3	<2.5	14	1.6
Residual categories	58	8.0	6	4.9	64	7.5

^aEach of the following categories contributed less than three persons overall and were omitted from the table: Asian not further defined, Other Pacific country, Fijian, Latin American/Hispanic and Tokelauan.

Table 2: Summary of data linkage of all staff ethnicity in Auckland and Waitematā human resources (HR) systems to National Health Index (NHI) system.

	Auckland		Waitematā		Overall	
	N	%	N	%	N	%
Total	9,877	100.0	7,662	100.0	17,539	100.0
Level 4						
Exact match	5,539	56.1	3,965	51.7	9,504	54.2
Partial match	412	4.2	389	5.1	801	4.6
Mismatch	3,926	39.7	3,308	43.2	7,234	41.2
Level 2						
Exact match	6,430	65.1	5,301	69.2	11,731	66.9
Partial match	255	2.6	217	2.8	472	2.7
Mismatch	3,192	32.3	2,144	28.0	5,336	30.4
Level 1						
Match	8,515	86.2	6,473	84.5	14,988	85.5
Mismatch	1,362	13.8	1,189	15.5	2,551	14.5

Table 3: Data linkage of all staff ethnicity at Level 1 between Auckland and Waitematā human resources (HR) systems and National Health Index (NHI) system.

	HR		NHI		Agreement
	N	%	N	%	
Auckland					
European	4,955	50.2	5,339	54.1	Match=86.21% Kappa=0.7836 p<0.0001
Asian	2,798	28.3	2,861	29.0	
Pacific	780	7.9	747	7.6	
Māori	446	4.5	425	4.3	
MELAA	223	2.3	237	2.4	
Other ethnicity	225	2.3	24	0.2	
Residual categories	450	4.6	244	2.5	
Waitematā					
European	3,752	49.0	4,299	56.1	Match=84.48% Kappa=0.7574 p<0.0001
Asian	2,142	28.0	2,120	27.7	
Pacific	404	5.3	417	5.4	
Māori	490	6.4	454	5.9	
MELAA	160	2.1	175	2.3	
Other ethnicity	378	4.9	8	0.1	
Residual categories	336	4.4	189	2.5	
Overall					
European	8,707	49.6	9,638	55.0	Match=85.46% Kappa=0.7722 p<0.0001
Asian	4,940	28.2	4,981	28.4	
Pacific	1,184	6.8	1,164	6.6	
Māori	936	5.3	879	5.0	
MELAA	383	2.2	412	2.4	
Other ethnicity	603	3.4	32	0.2	
Residual categories	786	4.5	433	2.5	

Figure 1: Records of Māori ethnicity at Level 1 in human resources (HR) and National Health Index (NHI) datasets in Auckland and Waitematā.

