

Attaining Equity with Business Intelligence

DR GEORGE GRAY

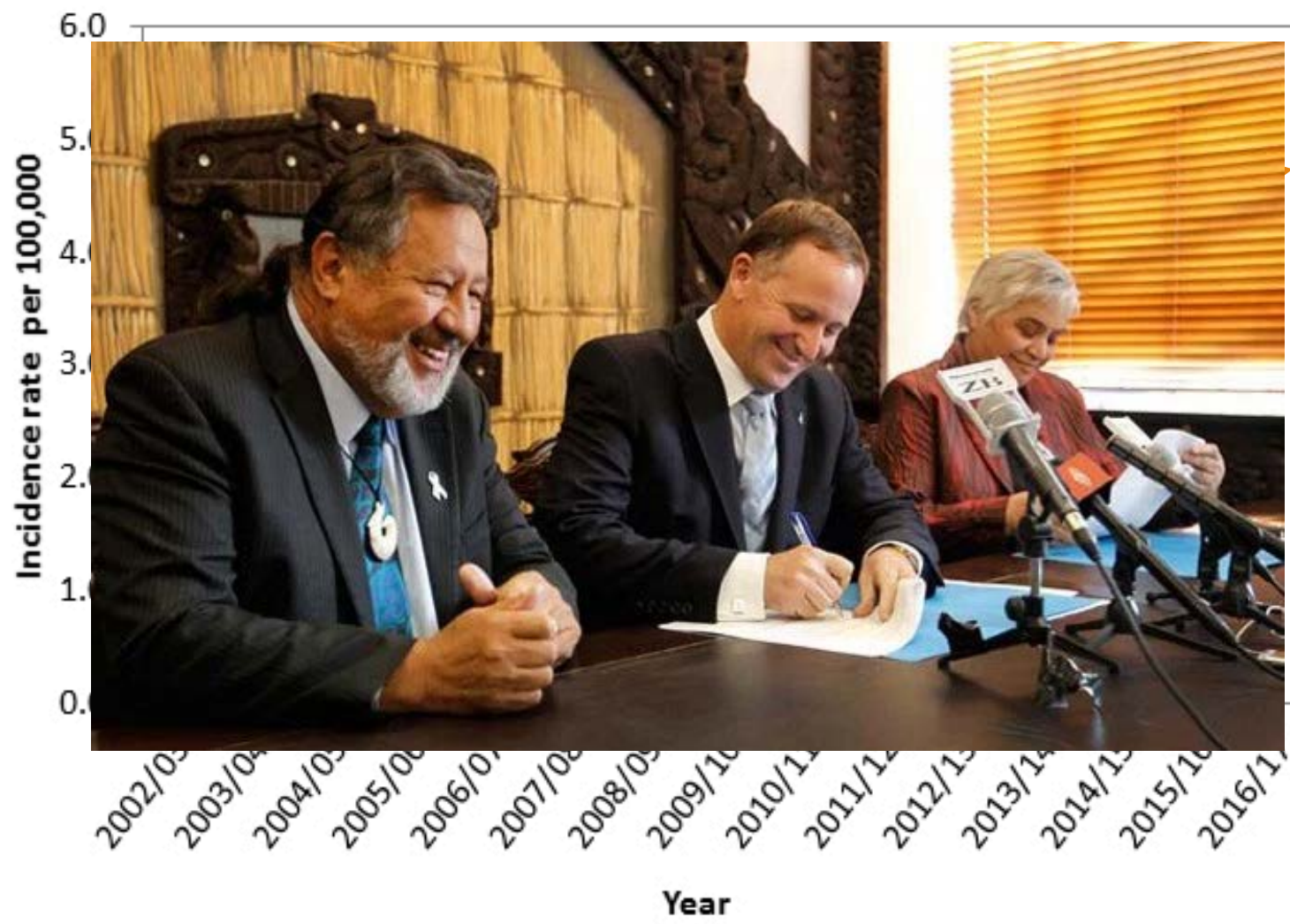
PUBLIC HEALTH PHYSICIAN

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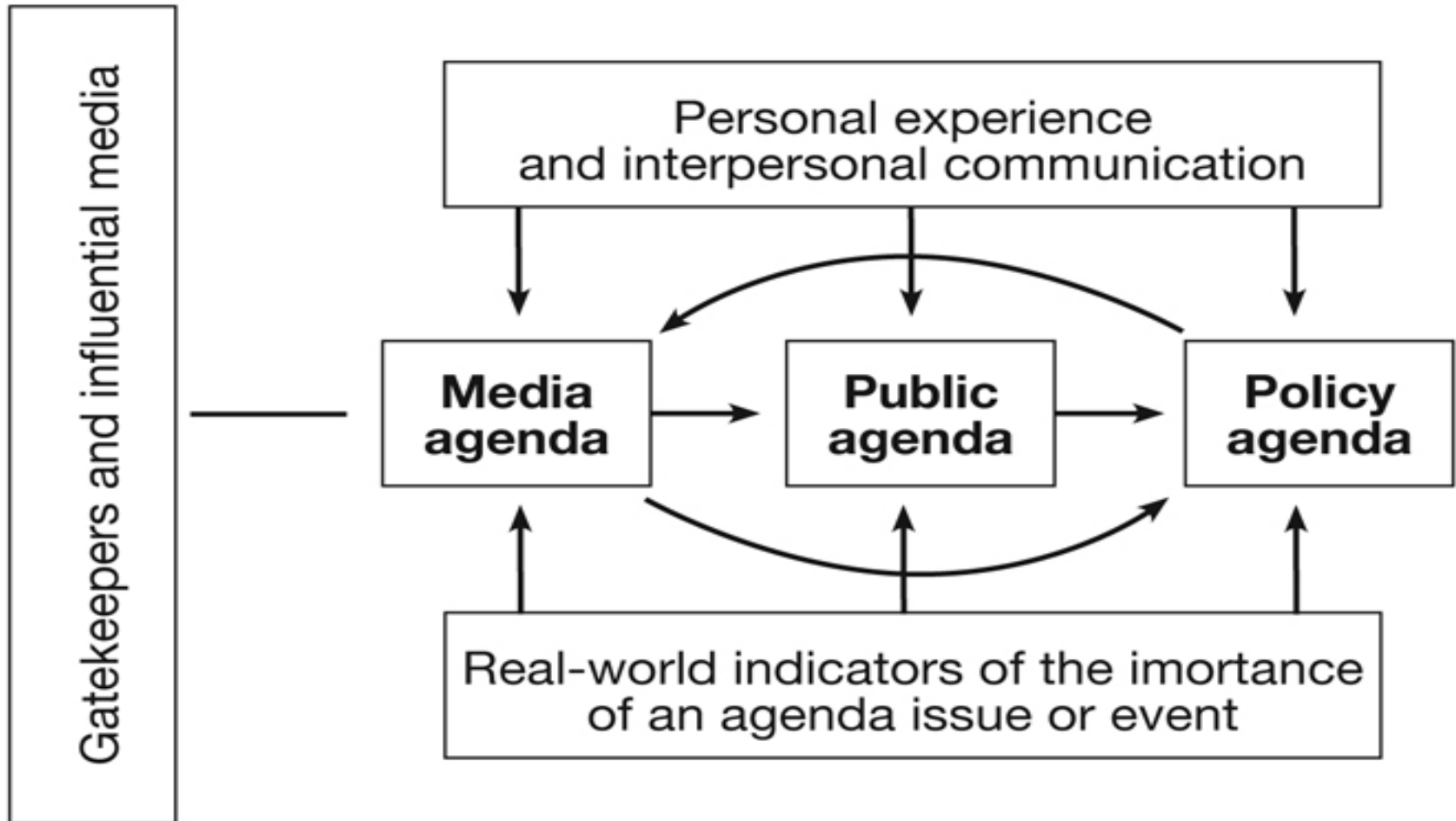


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1 – The Problem



BAY OF PLENTY DISTRICT HEALTH BOARD
MĀORI HEALTH PLAN
2015/16



12 indicators

x 4 quarters

x 20 DHBs

A screenshot of the Ministry of Health website. The header is orange with the Ministry of Health logo and a search bar. The navigation menu includes 'Your health', 'NZ health system', 'Our work', 'Health statistics', 'Publications', 'News', and 'About us'. The breadcrumb trail reads 'Home > Our work > Populations > Māori health > Māori health plans, profiles and summaries'. The main heading is 'DHB Māori health plans, profiles and summaries'. The text below explains that District Health Boards (DHBs) are required to improve the health of Māori and reduce health disparities. It provides links to 'DHB Māori Health Plans 2015/16', 'DHB Māori Health Profiles 2015', and 'DHB Māori Health Profile Summaries 2015'. A section titled 'On this page' contains these same links. Below that, a section titled 'DHB Māori Health Plans 2015/16' explains that Māori Health Plans (MHPs) are fundamental planning, reporting and monitoring documents. It states that an MHP provides a summary of a DHB's Māori population and their health needs, and documents the interventions and actions the DHB plans to undertake to address health issues in order to achieve indicator targets set nationally, regionally and at district level.

- ▶ Northern
- ▼ Midland
- Waikato
- Lakes
- Bay of Plenty
- Tairāwhiti
- Taranaki
- ▶ Central
- ▶ South Island

Display all Display ▼



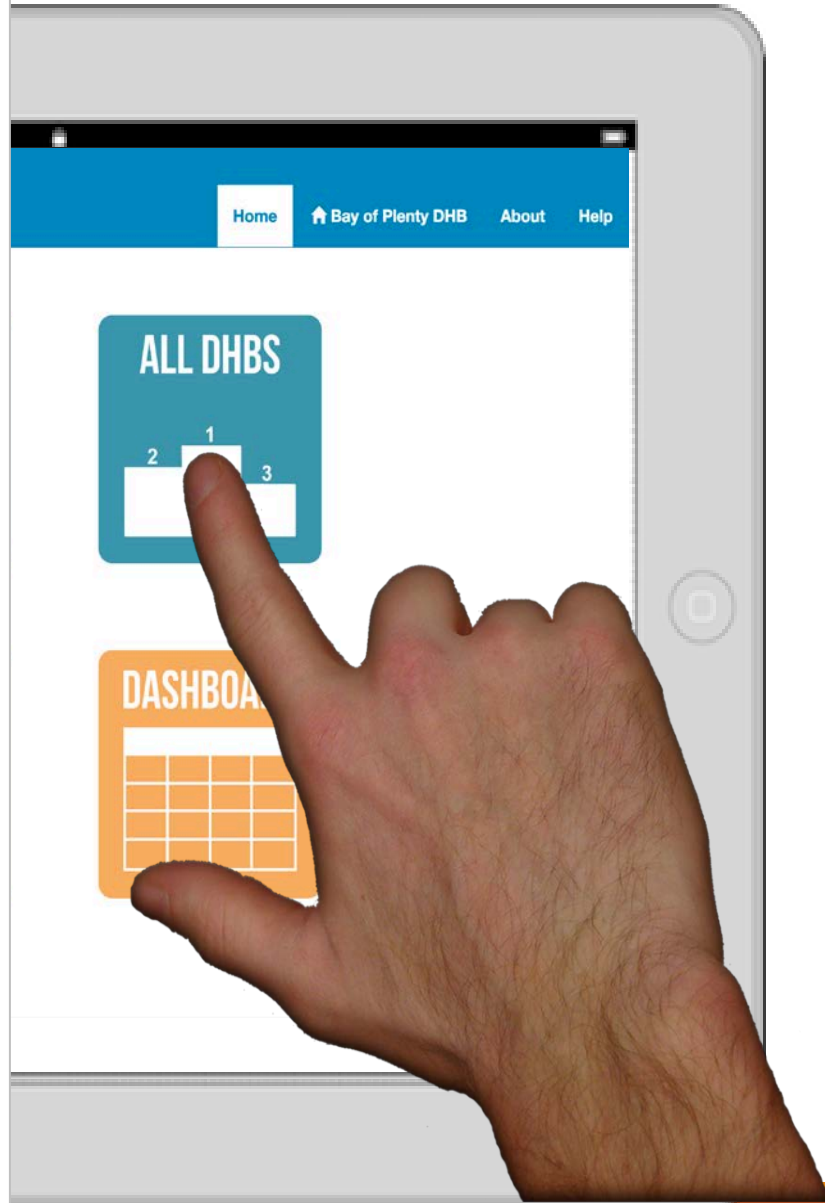
Indicator	Target	Period	Bay of Plenty (European /Other)	Bay of Plenty (Maori)	Gap	Change	Trend
PHO Enrolment	100	Jul-Sep 2016	100.0	92.0	8	0	
ASH (0-4 yrs)	7700	Yr to Mar 2016	7160	8612	1452	215	
ASH (45-64 yrs)	5146	Yr to Mar 2016	2903	6732	3829	-274	
Breastfeeding (6 wks)	75	Jul-Dec 2015	75.3	59.3	16	-1.8	
Breastfeeding (3 mths)	60	Jul-Dec 2015	65.3	38.5	26.8	-8.1	
Breastfeeding (6 mths)	65	Jul-Dec 2015	70.3	54.9	15.4	0.4	
Breast Screening (50-69 yrs)	70	2016 Q4	72.6	60.4	12.2	0.5	
Cervical Screening (25-69 yrs)	80	2016 Q4	82.2	68.5	13.7	-1.2	
Immunisation (8 mths)	95	2016 Q4	86.1	84.3	1.8	-3.1	
Immunisation (Influenza)	75	2015 Q4	66.0	64.0	2		
Mental Health	-	Year to Mar 2016	43	184	141	-7	
Oral Health	95	Jan-Dec 2015	119.8	62.5	57.3	0	
Smokefree 2 wk Postnatal	95	Jul-Dec 2015	82.0	61.0	21	1	

Target attained	Within 10% of target
10-20% away from target	More than 20% away from target

Breast Screening (50-69 yrs)



To Q4 2016		%	70%	↓↑
1	South Canterbury	78.3%		-0.6
2	Nelson Marlborough	75.1%		2.3
3	Canterbury	72.4%		3.7
4	Wairarapa	71.3%		-3.3
5	Whanganui	70.6%		-1.8
6	West Coast	70.0%		-2.6
7	Northland	68.7%		0.5
8	Tairāwhiti	68.2%		0.8
9	Capital & Coast	67.4%		3.5
10	Hawke's Bay	67.1%		-0.8
11	Hutt Valley	66.4%		-0.3
12	Counties Manukau	65.9%		2.4
13	Mid Central	64.8%		0.1
14	Southern	64.7%		2.9
15	Waitemata	64.2%		5.7
16	Lakes	63.3%		1.7
17	Taranaki	61.5%		0.6
18	Bay of Plenty	60.4%		0.5
19	Auckland	59.9%		-0.4
20	Waikato	59.2%		-1.2



Breast Screening 50-69 y ▾

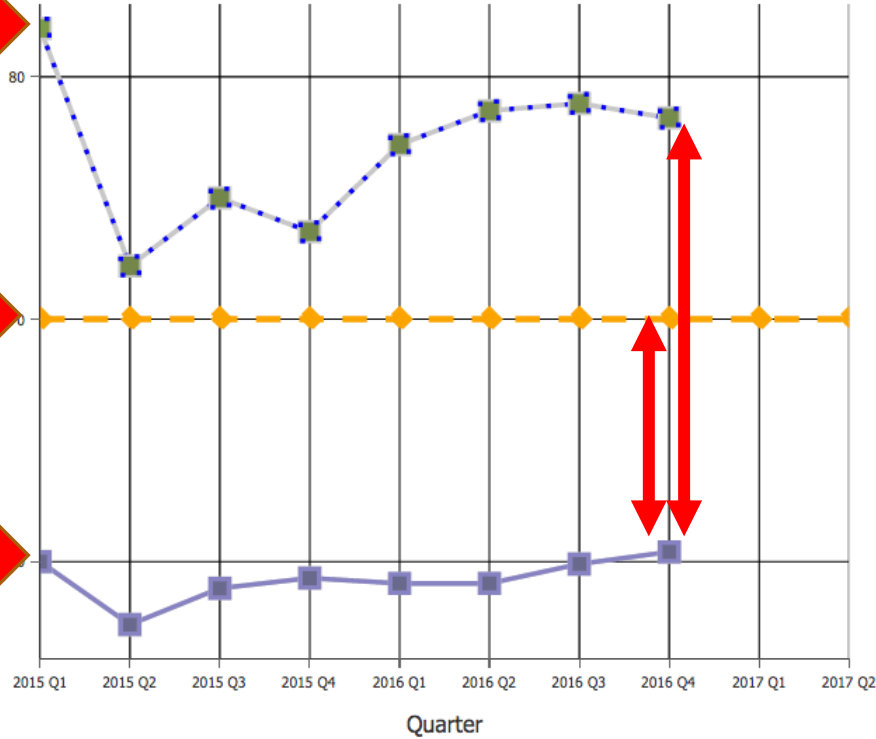
Breast Screening 50-69 years [?]

○ 1 Year ○ 2 Years



- Northern
- ▾ Midland
- Waikato
- Lakes
- Bay of Plenty
- Tairāwhiti
- Taranaki
- Central
- South Island

- Māori
- Pacific
- Non-Māori
- Numbers [?]
- Best



- Best (Māori) South Canterbury
- ◆ Target
- Bay of Plenty (Māori)

➤ Improve

You've screened 60.4% of Māori women. If you screened 482 more Māori women (3,507 screened in total) you'd reach the national target of 70%.



Breast Screen

Breast Screening (50-69yrs)

Posted 22 August 2016

- ▶ Northern
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- ▶ South Island

Target: 70%

Period: Apr-Jun 2016

High (Māori): 78.3% (South Canterbury DHB)

Low (Māori): 59.2% (Waikato DHB)

Range: 19.1%

Acknowledgements:

Our thanks to the reviewers who provided guidance on the data and narrative presented here:
Dr Marli Gregory, Clinical Leader, Breastscreen Aotearoa, National Screening Unit
Vera Schmidt, Quality Monitoring Performance and Reporting Leader, National Screening Unit

Components:

Numerator: Number of eligible women aged 50 to 69 who have been screened within the past two years.

Denominator: Projected number of eligible women in the DHB based on Census 2013.

Interpretation:

Note that while data is reported quarterly, the quarterly results may fluctuate significantly due to factors where a DHB has limited influence. These include periodic mobile unit visits, seasonal variation in attendance, and other factors. Therefore it is most useful to view a DHB's performance trend over a time period of at least a year to reliably gauge performance.

Six DHBs reached the national target of 70% for their Māori population. Ten DHBs are within 10% of the national target.

Waitemata DHB recorded the largest increase, rising 5.7% to 64.2%. Eight DHBs recorded decreases in their rates, the largest being 3.3% this quarter.

Reaching the national target has been more challenging in DHBs with larger Māori populations; only two of the six DHBs that achieved the target have screened more than 1000 women.

Breast Screening (50-69 yrs) ?

To Q4 2016		%	70%	↓↑
1	South Canterbury	78.3%		-0.6
2	Nelson Marlborough	75.1%		2.3
3	Canterbury	72.4%		3.7
4	Wairarapa	71.3%		-3.3
5	Whanganui	70.6%		-1.8
6	West Coast	70.0%		-2.6
7	Northland	68.7%		0.5
8	Tairāwhiti	68.2%		0.8
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11	Hutt Valley	66.4%		-0.3
12	Counties Manukau	65.9%		2.4
13	Mid Central	64.8%		0.1
14	Southern	64.7%		2.9
15	Waitemata	64.2%		5.7
16	Lakes	63.3%		1.7
17	Taranaki	61.5%		0.6
18	Bay of Plenty	60.4%		0.5
19	Auckland	59.9%		-0.4
20	Waikato	59.2%		-1.2

Breast screening rates for eligible Māori women by DHB, for the 24 months ending June 2016. Data source: National Screening Unit, Ministry of Health, August 2016

Numerator	2,731	2,829	2,877	2,891	2,916	2,979	3,025
Denominator	4,760	4,805	4,850	4,890	4,930	4,970	5,010

Canterbury

(Māori)

Māori women.
Māori women
and reach the

Māori
Pacific
Non-Māori
Numbers ?
Best

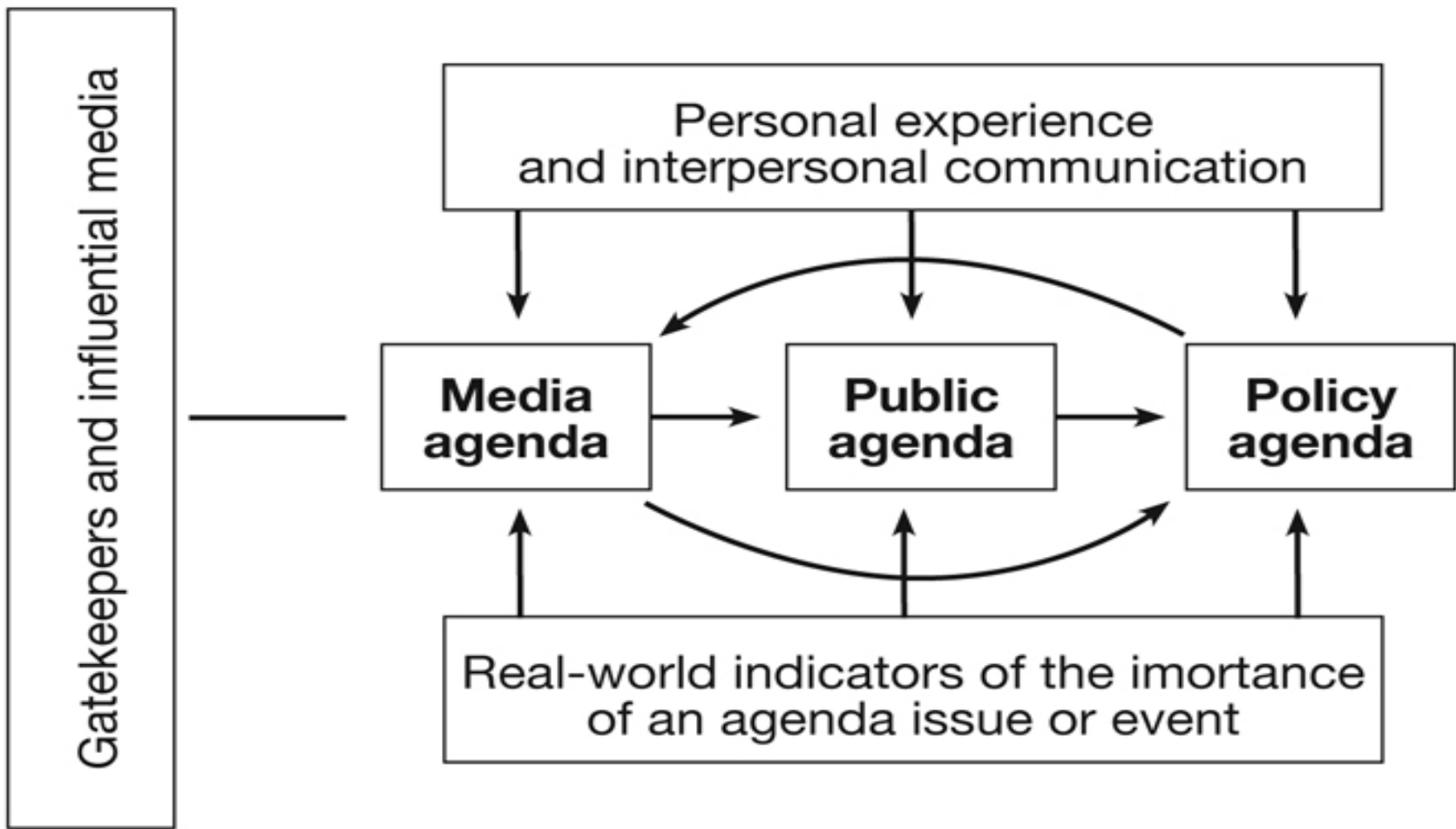


Auckland	Bay of Plenty	Canterbury
77.0%	92.0%	81.0%
8797	8612	4946
6197	6732	3768
49.5%	59.3%	59.2%
46.3%	38.5%	52.8%
60.7%	54.9%	51.0%
59.9%	60.4%	72.4%
56.4%	68.5%	57.4%
88.8%	84.3%	94.7%
59.0%	64.0%	67.0%
480	184	213
60.6%	62.5%	28.9%
85.0%	61.0%	64.0%
Auckland	Bay of Plenty	Canterbury
85.0%	100.0%	94.0%
6551	7160	5809
2456	2903	2375
77.0%	75.3%	66.6%
68.1%	65.3%	59.7%
78.2%	70.3%	66.2%
65.1%	72.6%	77.1%
74.7%	82.2%	75.9%
94.4%	86.1%	97.1%
60.0%	66.0%	70.0%
139	43	88
76.2%	119.8%	50.5%
97.0%	82.0%	89.0%



West Coast	Whanganui
86.0%	94.0%
6136	12312
4440	8463
50.0%	59.2%
41.7%	50.0%
52.2%	54.4%
70.0%	70.6%
65.1%	70.4%
82.4%	91.8%
61.0%	62.0%
132	165
75.2%	99.9%
59.0%	69.0%
West Coast	Whanganui
93.0%	100.0%
5185	6258
2065	4588
70.9%	68.6%
57.7%	59.3%
65.5%	62.8%
76.1%	79.4%
78.8%	81.3%
96.2%	98.5%
59.0%	66.0%
103	97
91.3%	102.8%
79.0%	76.0%

The Determinants of Health (1992) Dahlgren and Whitehead



Health Care Needs Less Innovation and More Imitation

by Anna M. Roth and Thomas H. Lee, MD

NOVEMBER 19, 2014



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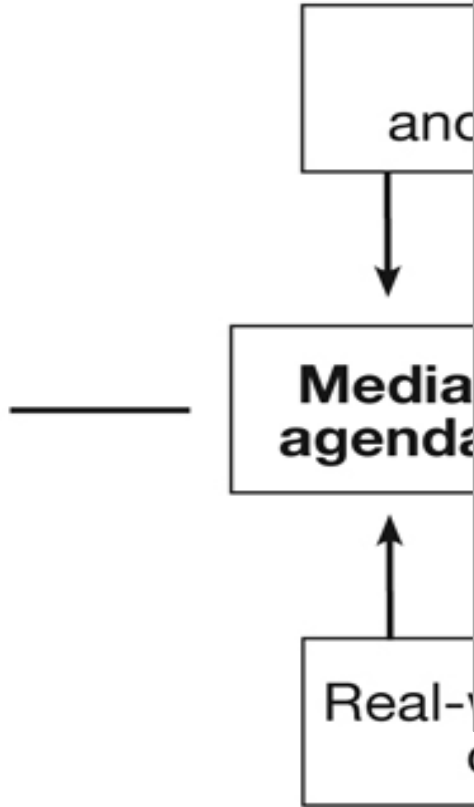
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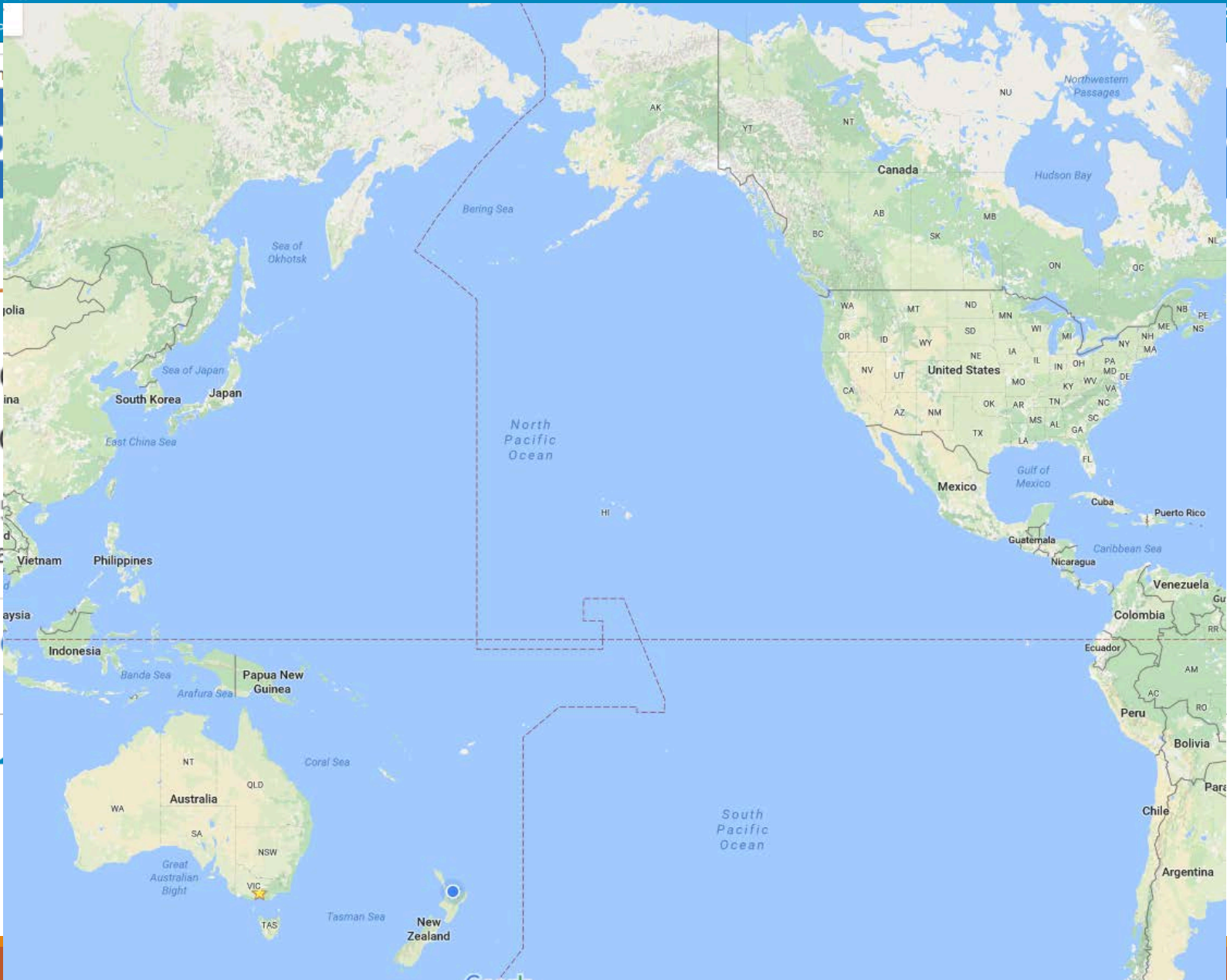
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