

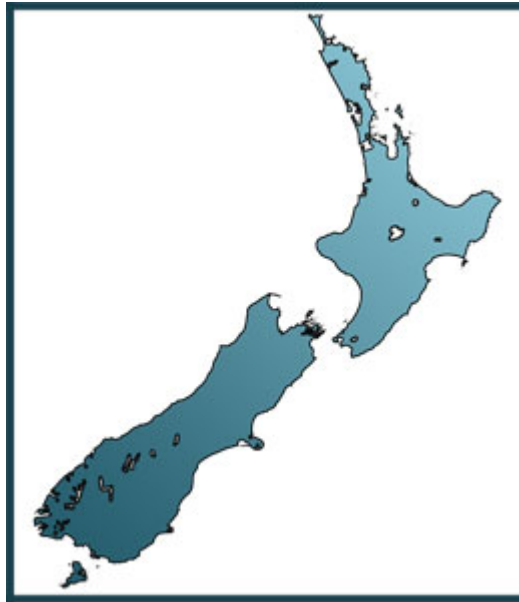
EDGAR

National Centre for Diabetes and Obesity Research

How big is the diabetes challenge?

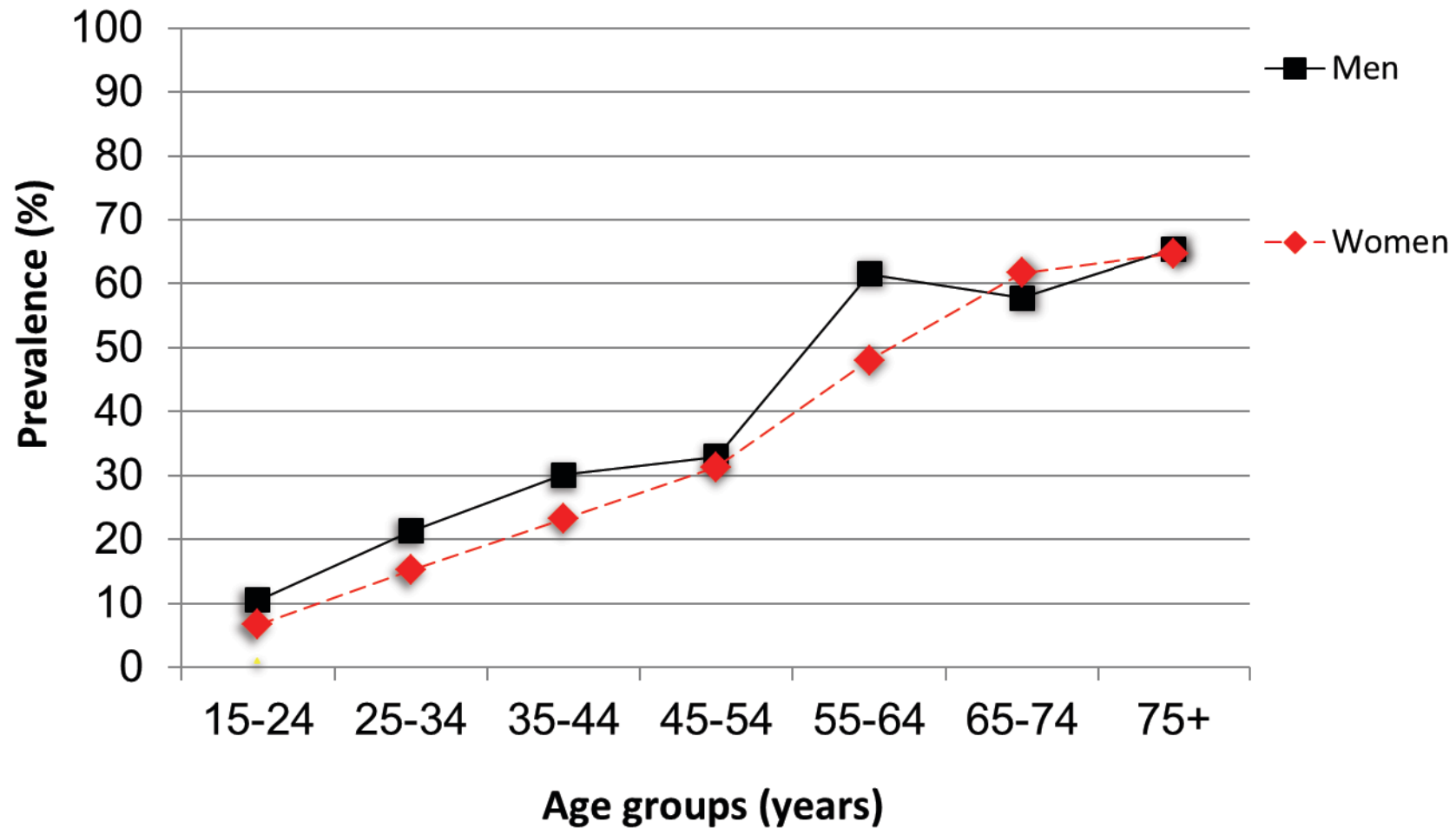
Dr Kirsten Coppel, Senior Research Fellow/Public Health Physician

At least **7%** New Zealand
adults have diabetes.....
a further **26%** have prediabetes



Coppell KJ, Mann JI, Williams SM, Jo EC, Drury PL, Miller JC, Parnell WR. Prevalence of diagnosed and undiagnosed diabetes and pre-diabetes in New Zealand: findings from the 2008/09 Adult Nutrition Survey. NZ Med J 126(1370):23-42 (2013).

Glucose metabolism disorder age-specific rates for males and females



Coppell KJ, Mann JI, Williams SM, Jo EC, Drury PL, Miller JC, Parnell WR. Prevalence of diagnosed and undiagnosed diabetes and pre-diabetes in New Zealand: findings from the 2008/09 Adult Nutrition Survey. *NZ Med J* 126(1370):23-42 (2013).

The cost.....

individuals, families, society

**OBESITY
EPIDEMIC**

HEALTH SYSTEM

THINK



Top 20 Expenditure Groups - Pharmaceuticals

Drug type	Current ranking	Main use	2007	2008	2009	2010	2011	2012
<i>Lipid modifying</i>	1	<i>Raised cholesterol</i>	68.86	66.06	63.48	37.87	53.51	<u>76.5</u> 1
Chemotherapeutic agents	2	Cancer	16.6 2	21.1 2	23.3 6	26.2 3	33.88	61.33
Inhaled Agonists	5	Asthma	19.34	23.25	27.84	31.84	36.53	39.86
<u>Diabetes</u>	<u>6</u>	<u>Diabetes</u>	26.34	29.36	31.06	30.07	32.80	<u>35.8</u> <u>5</u>
<i>Agents for Renin-Angiotensin System</i>	8	<i>Raised BP, CV risk</i>	29.10	29.94	31.19	34.47	34.54	<u>31.6</u> <u>5</u>
<u>12. Diabetes management</u>	<u>14</u>	<u>Blood glucose monitoring</u>	17.12	19.03	19.80	21.20	22.40	<u>23.8</u> <u>4</u>
13. <i>B-blockers</i>	15	<i>Heart disease</i>	24.52	29.29	32.01	23.32	18.21	18.53

\$millions, cost ex manufacturer, excludes GST and rebates

Pharmaceutical Management Agency Annual Review 2012

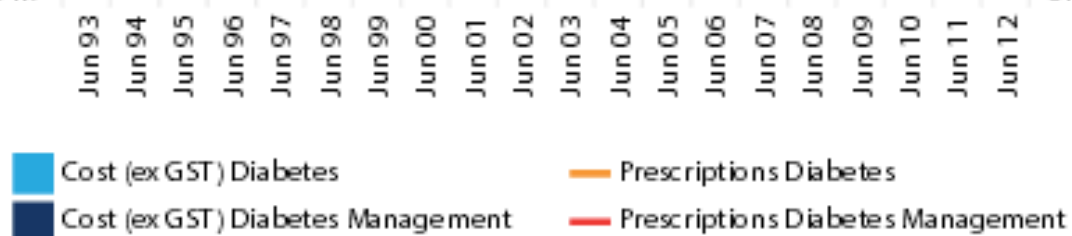
Diabetes

Cost (ex GST and rebates)

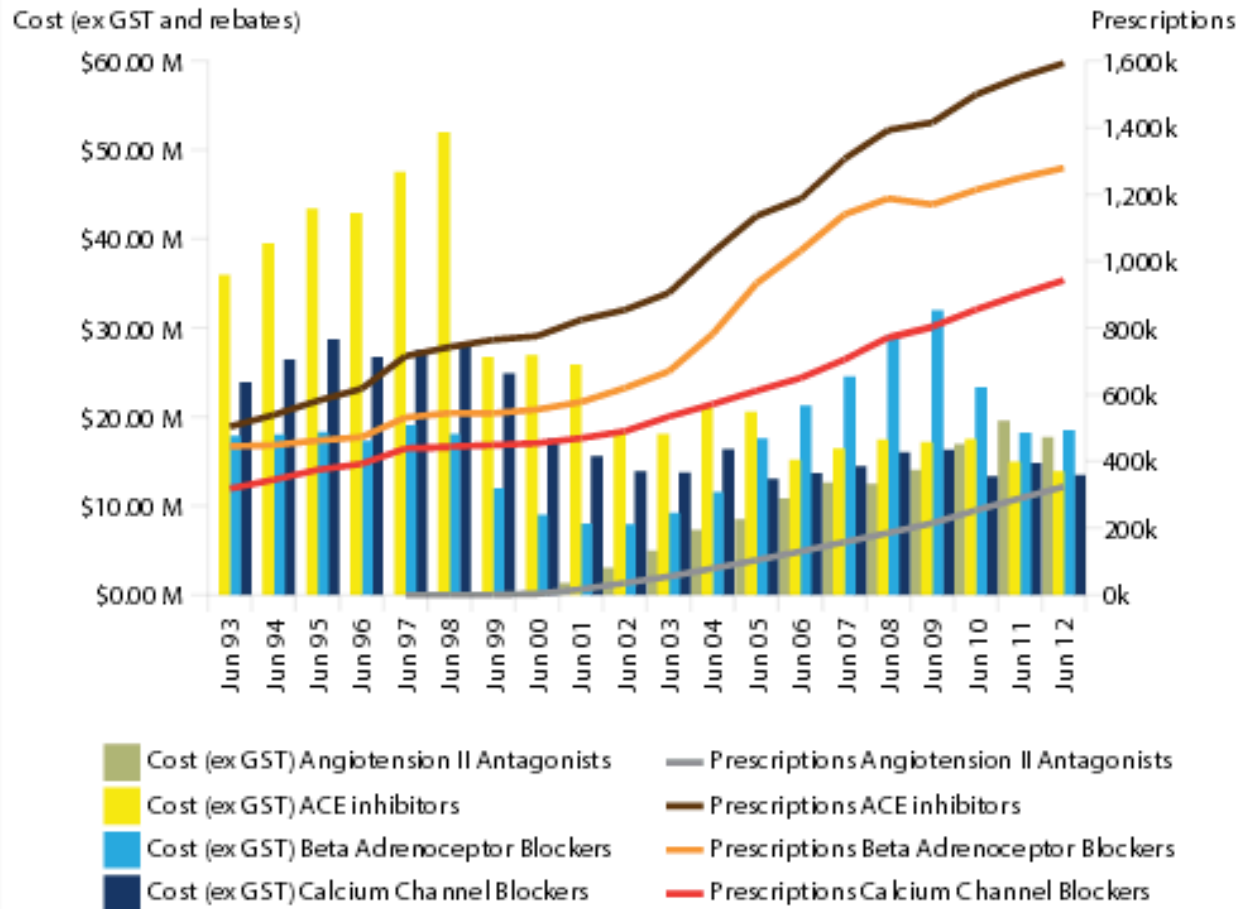
\$40.00 M
\$35.00 M
\$30.00 M
\$25.00 M
\$20.00 M
\$15.00 M
\$10.00 M
\$5.00 M
\$0.00 M

Prescriptions

1,200k
1,000k
800k
600k
400k
200k
0k



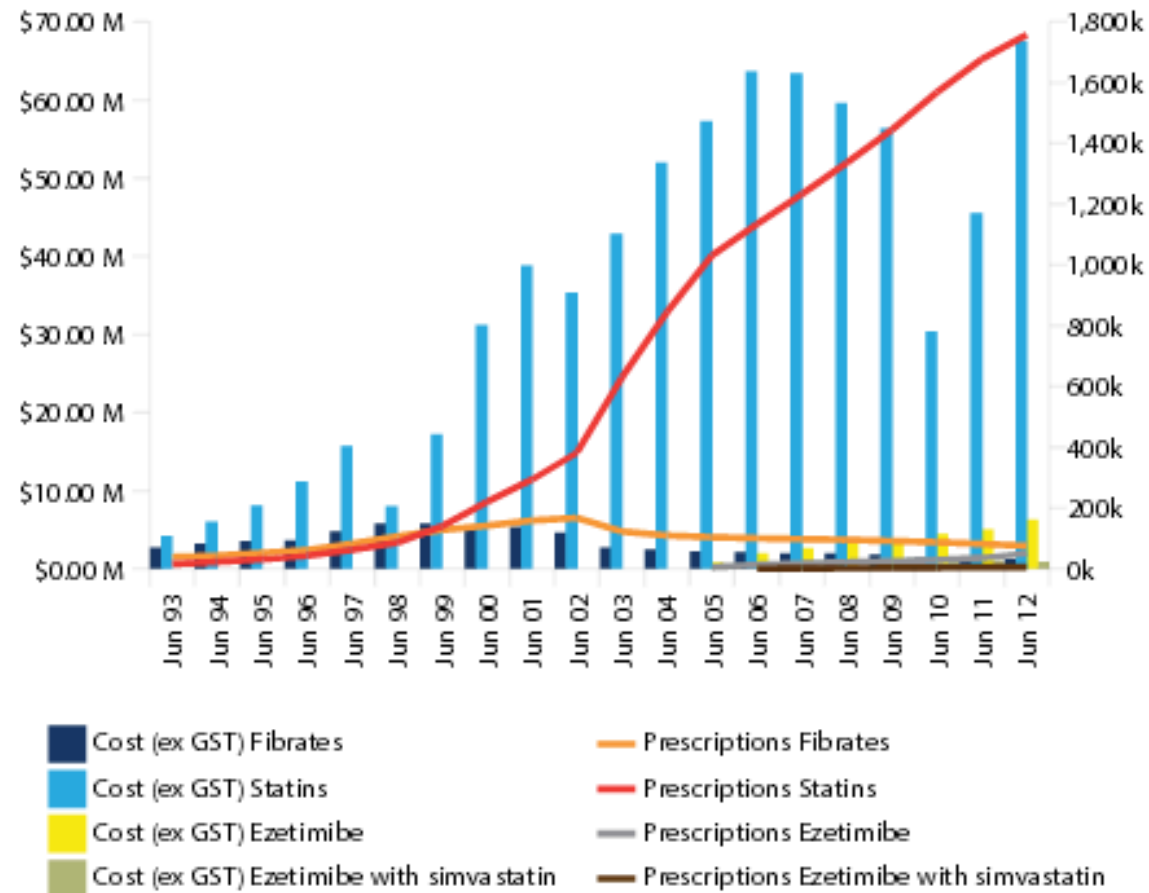
Blood Pressure Management

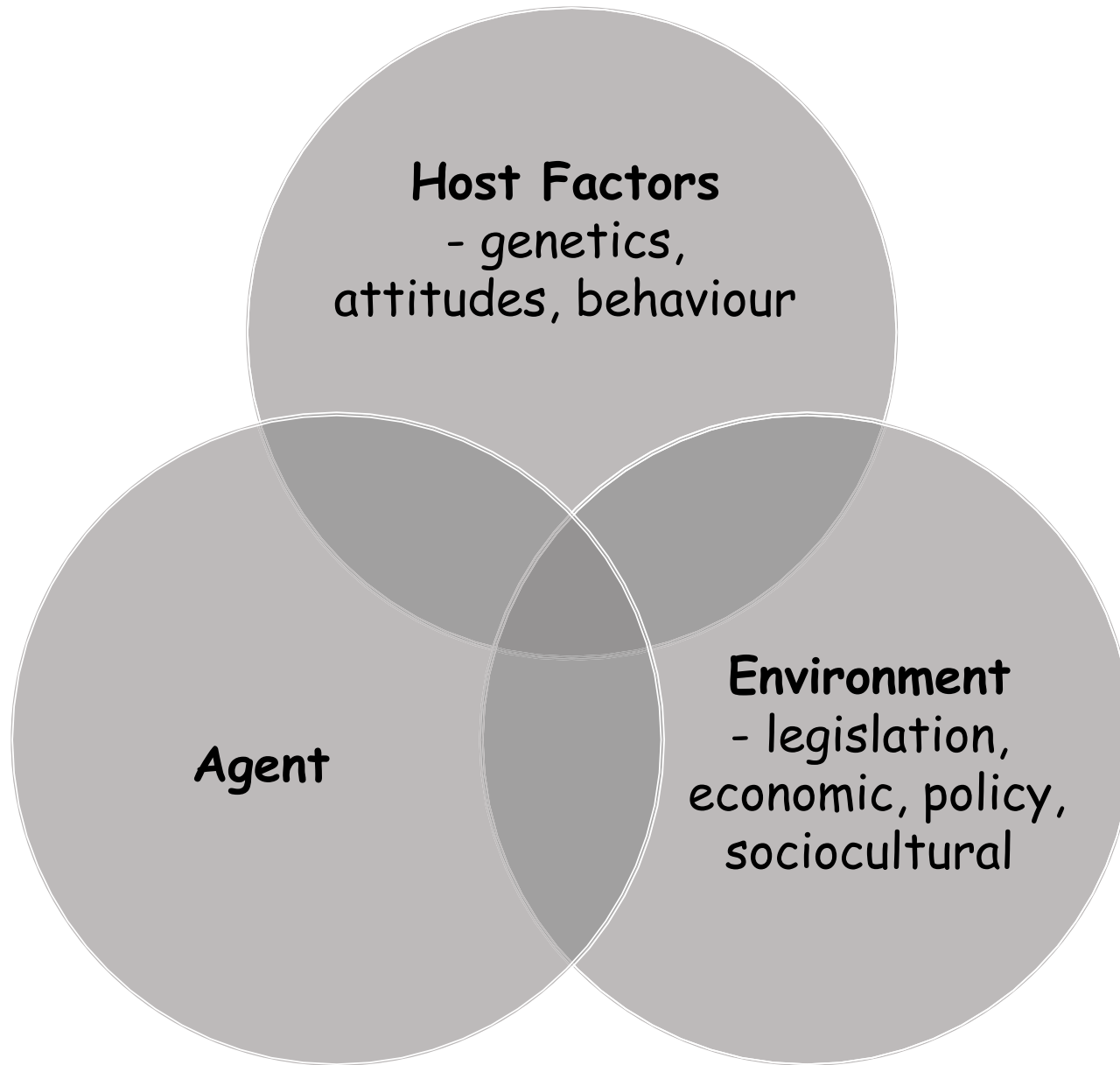


Lipid Modifying Agents

Cost (ex GST and rebates)

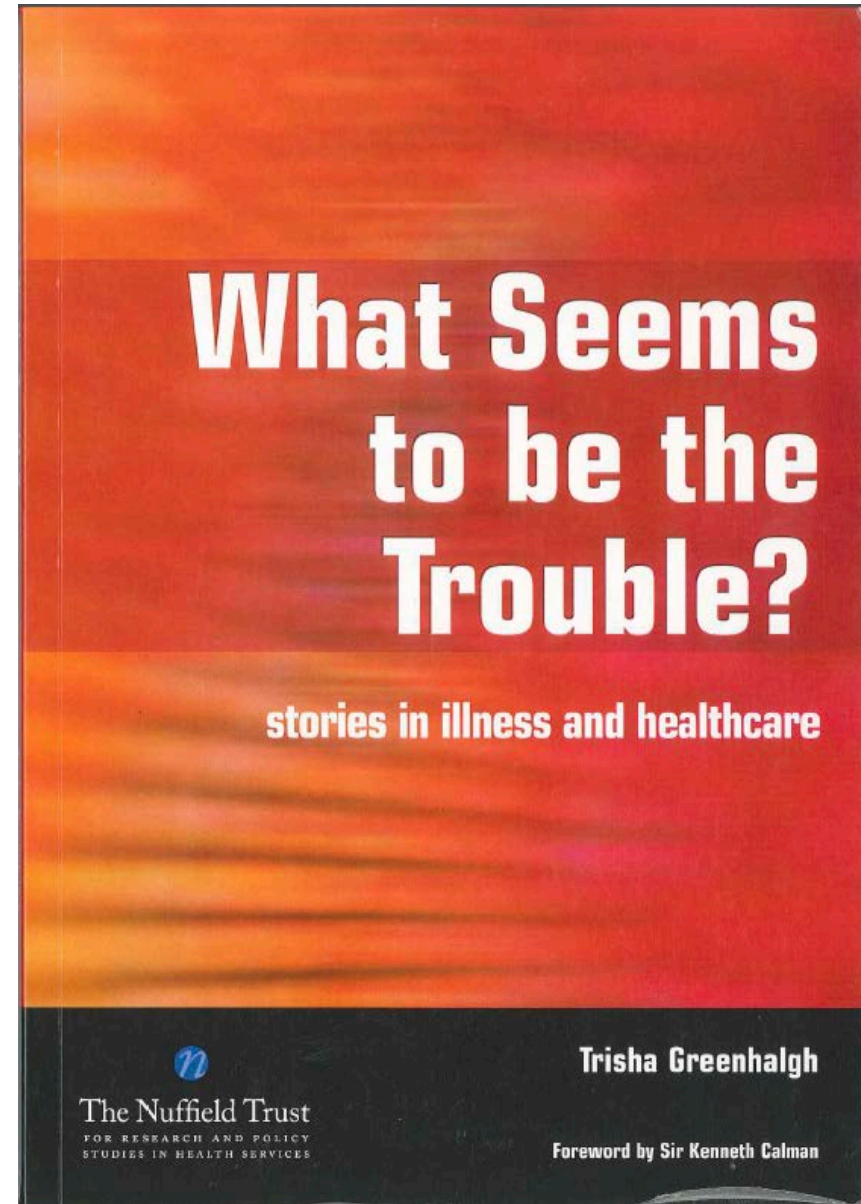
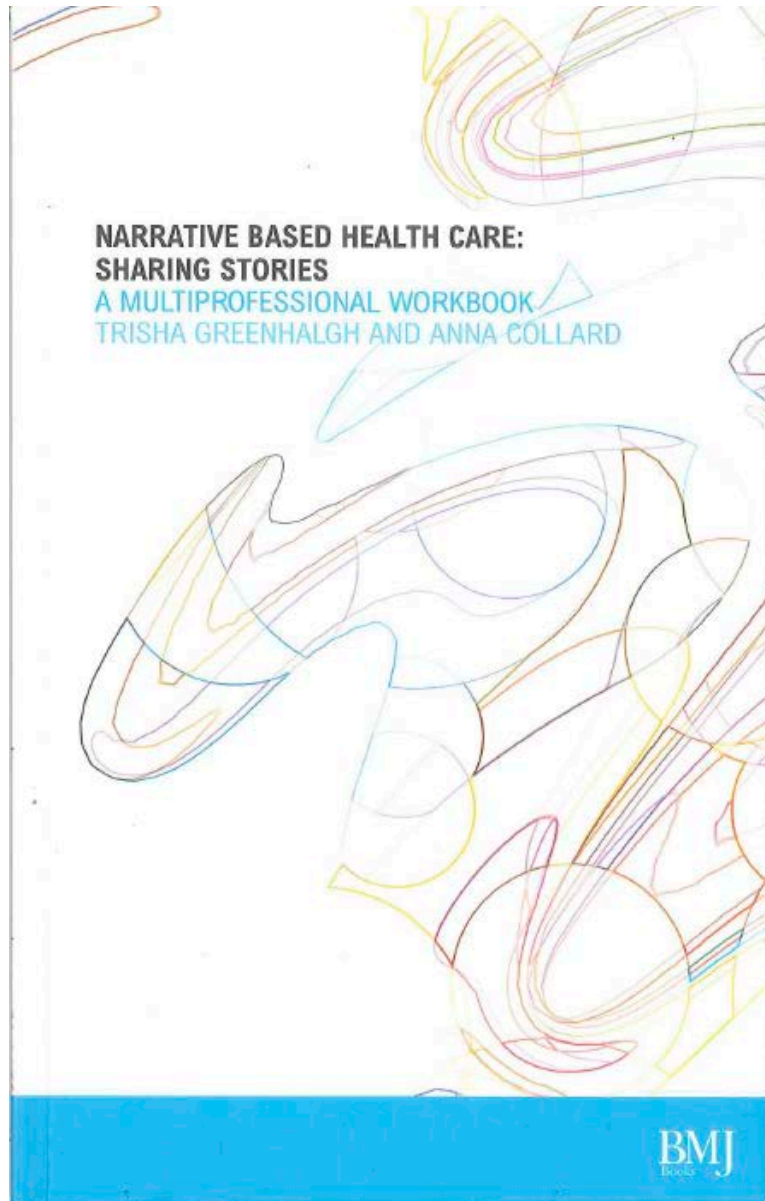
Prescriptions





Stories

Stories



Kindergarten – leaving ceremonies, birthdays, returning from holidays



Lunch/food boxes



School



Other 'treat occasions'

- Behaviour control
- Student teachers end of posting
- End of year/xmas treat
- End of, and during sporting season



PTA Chocolate Fundraiser

Today the eldest child in each family will bring home a box of chocolate to sell. The money raised by the PTA will be used to buy equipment to support the learning that is happening in our classrooms.

Once you have sold your chocolate please return the money in to the office in a named envelope. There are more boxes of chocolate available if some families can sell more, just let the office staff know.

A big thank you from the PTA for your help in this fundraiser.



School journal stories



Nan and McDonald's

by Peti Nohotima

"Papa! Papa!" said Bill. "What time does Nan get here?"

"Eight o'clock," said his father. "But take it easy. Don't start pestering her as soon as she gets here."

"Can't we take her to McDonald's?" said Te Tokai.

"Maybe, but let her have a rest first," said Papa. "She'll be worn out. It's a long journey from Ruatoki."

"What's the time now?" asked Te Tokai.

"Ten to eight," said Bill. "The train's nearly here, eh, Papa?"

"Here it comes now," said Papa.

Bill's heart was thumping with excitement. This was the first time Nan had ever been to Wellington. They wanted to show her everything – the zoo, the museum, the cable car ... But the place they really wanted to go to was McDonald's.





Obesogenics - it's why you're fat



Soccer & oranges

