

CHAPTER 8 Dental Public Health

8.1 Dental Registrations

In order to improve people's dental health it is important for them to be registered with a dentist in order for regular checks and early treatment to be carried out. The targets are different in each district and are set out in figure 8.1. Forecasts suggest that while registrations in children (0-2 and all under 18s) are rising, registrations in the adult population are falling.

8.2 Dental List Size

Barnsley included in their HImP a target to reduce the average list size to enable dentists to provide a better service to each patient. Clearly, the implication of this target and those set out in 8.1 above is that more dentists are needed, although dentists in each of the three districts already have average list sizes below Barnsley's target of 1800 (figure 8.2).

Rotherham's target, to increase the number of general dental practitioners by 20% is clearly closely related to this target.

8.3 Dental Health of Children

Figure 8.3 shows the number of decayed, missing and filled teeth (DMFT) per child in biennial surveys of five year olds. Progress has been made but the targets of one decayed, missing or filled tooth per child by 2003 or 2004 are challenging.

Tables 8.3a, 8.3b, 8.3c and 8.3d give targets for various different aspects of children's dental health. Targets are set for all of these in Barnsley, but in Doncaster and Rotherham only for DMFT in 12 year olds. All of these targets are challenging, with Barnsley lagging behind the other two health authorities in each case. It is acknowledged in the Barnsley HImP that the national target will not be achieved locally unless water fluoridation is introduced. This is equally true in Doncaster and Rotherham.

Table 8.3a – Percentage of 5 year old children with no caries experience

	June 2000	HImP Target 2003
Barnsley	46.4%	70
Doncaster	53.3%	-
Rotherham	53.4%	-

Source: Dental Public Health, Barnsley, Doncaster and Rotherham Health Authorities

Table 8.3b – Decayed, Missing and Filled Teeth (DMFT) in 12 year olds

Average number of decayed, missing or filled teeth per child

	1996	HImP Target 2003
Barnsley	1.69	1
Doncaster	1.24	1
Rotherham	1.25	1

Source: Dental Public Health, Barnsley, Doncaster and Rotherham Health Authorities

Table 8.3c – Decayed, Missing and Filled Teeth (DMFT) in 14 year olds

Average number of decayed, missing or filled teeth per child

	1994	1998	HImP Target 2001
Barnsley	2.41	2.38	1.5
Doncaster	2.32	2.16	-
Rotherham	2.21	1.74	-

Source: Dental Public Health, Barnsley, Doncaster and Rotherham Health Authorities

Table 8.3d – Percentage of 14 year old children receiving active orthodontic treatment

	1994	1998	HImP Target 2001
Barnsley		8.0%	10%
Doncaster		10.5%	-
Rotherham	11.3%	11.6%	-

Source: Dental Public Health, Barnsley, Doncaster and Rotherham Health Authorities

8.4 Emergency Dental Care

No patient, resident or visitor with acute dental pain should have to wait more than 24 hours for emergency dental care. This target has been achieved by running Sunday sessions in all three health authority areas.

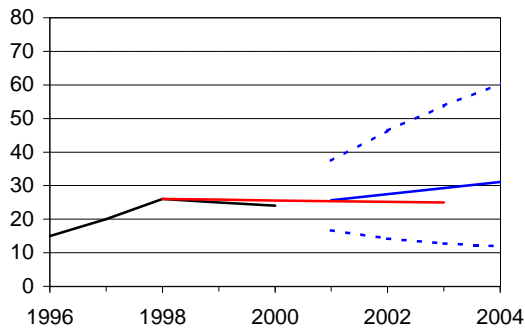
Figure 8.1 - Dental Registration Rates

Percentage of Population Registered with a Dentist

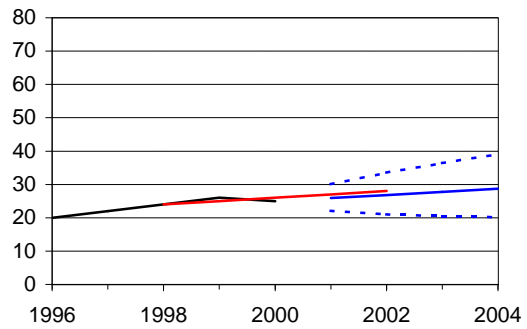
Targets: 0-2 year-olds:	Barnsley:	Increase the percentage of children aged 0-2 registered with an NHS dentist to 25% by the year 2003.
	Doncaster:	Raise registrations of 0-2s to 28% by 2003.
	Rotherham:	Increase in registration with a dentist by children and adults of all ages.
Under 18s:	Barnsley:	Increase the percentage of children (under 18 years) registered with an NHS dentist to 70% by the year 2003.
	Doncaster:	Increase registrations with dentists.
	Rotherham:	Increase in registration with a dentist by children and adults of all ages.
Adults:	Barnsley:	60% of adults aged 18 and over should be registered with an NHS dentist by 2001.
	Doncaster:	Increase registrations with dentists.
	Rotherham:	Increase in registration with a dentist by children and adults of all ages.

Source: Dental Practice Board.

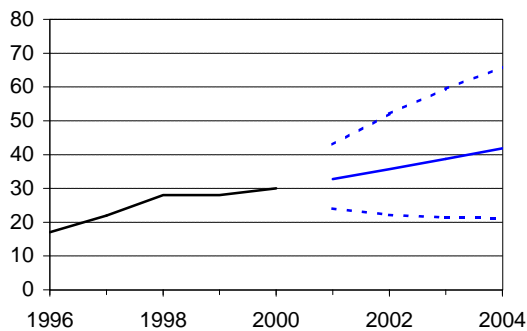
Barnsley 0-2 year-olds



Doncaster 0-2 year-olds



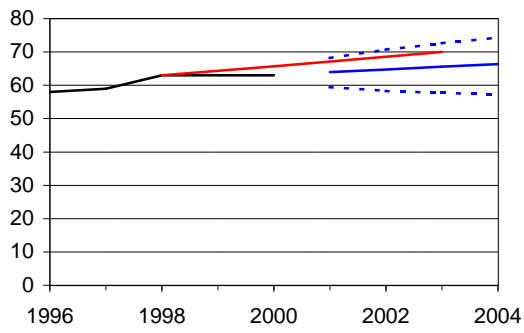
Rotherham 0-2 year olds



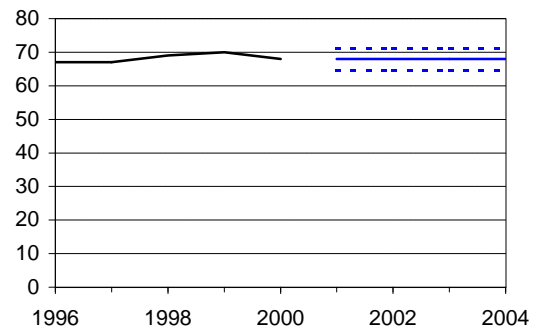
— Registration Rate
 — Forecast Rate
 95% Confidence Interval
 — HImP Target (where applicable)

Rates forecast with 95% confidence intervals by Holt's Method on logit-transformed data.

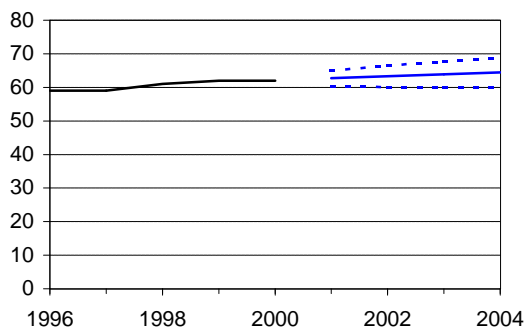
Barnsley under 18s



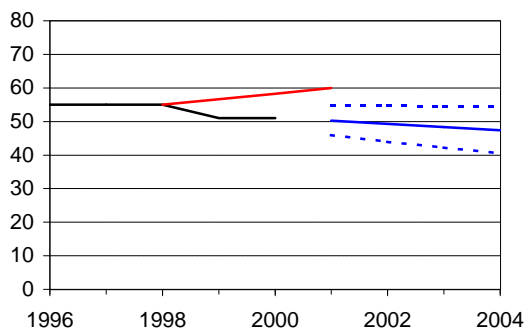
Doncaster under 18s



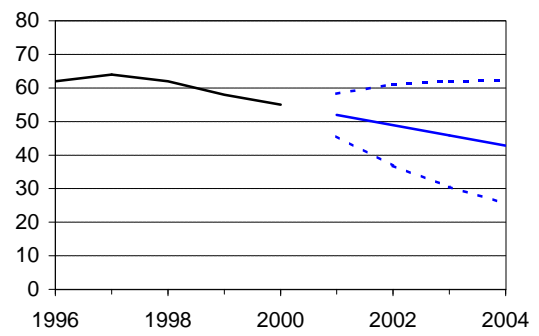
Rotherham under 18s



Barnsley Adults (18+)



Doncaster Adults (18+)



Rotherham Adults (18+)

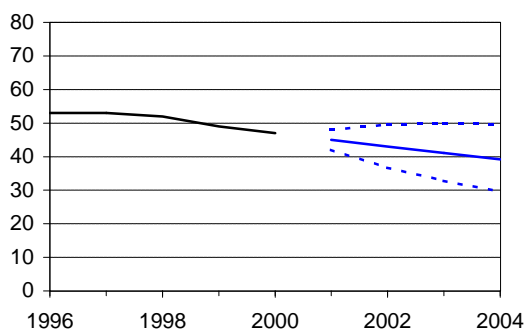


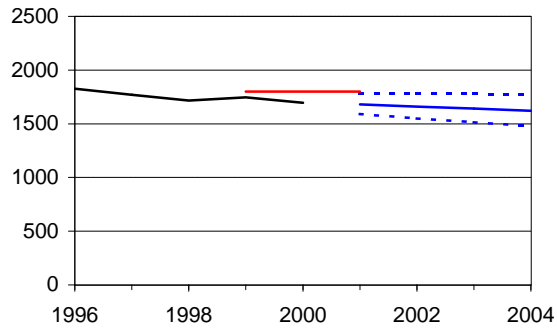
Figure 8.2 - Dental List Size

Average List Size per Principal Dentist

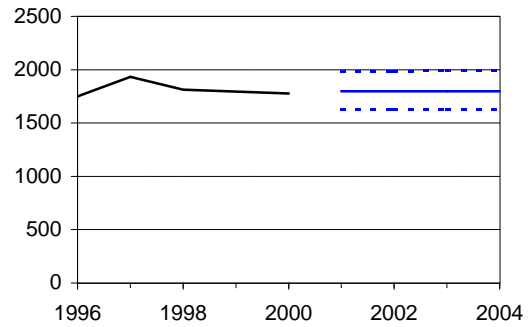
Targets: Barnsley: Barnsley dentists should each have less than 1800 registered patients on average by 2001.

Source: Dental Practice Board.

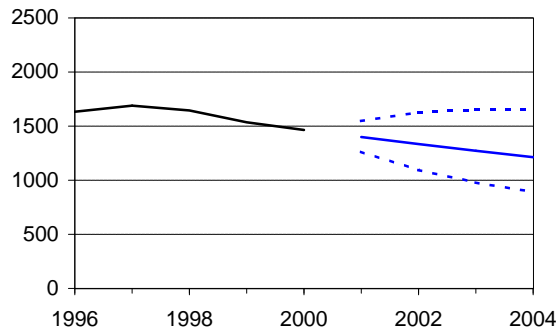
Barnsley HA



Doncaster HA



Rotherham HA



- Average List Size
- Forecast List Size
- 95% Confidence Interval
- HImP Target (where applicable)

Rates forecast with 95% confidence intervals by Holt's Method on logit-transformed data.

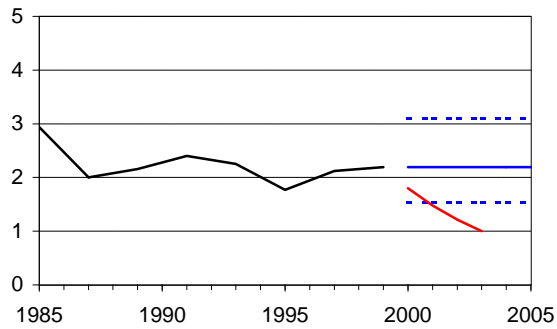
Figure 8.3 - Dental Health of Five Year Olds'

Average number of decayed, missing and filled teeth per child

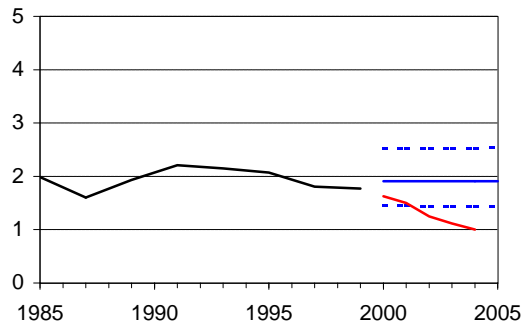
Targets: Barnsley: Reduce the average number of DMFT in 5yr olds to no more than 1 by the year 2003.
 Doncaster: Reduce the average number of DMFT in 5yr olds to 1.5 by 2001, 1.25 by 2002 and 1.0 by 2004
 Rotherham: Reduce the average number of DMFT in 5yr olds to no more than 1 by the year 2003.

Source: Doncaster Public Health Barnsley, Doncaster, Rotherham Health Authorities

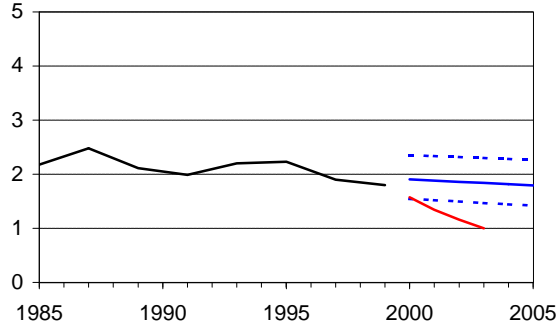
Barnsley HA



Doncaster HA



Rotherham HA



— Average DMFTs
 — Forecast average DMFTs
 95% Confidence Interval
 — HImP Target

Rates forecast with 95% confidence intervals
 by Holt's Method on logit-transformed data.