

7. Appendix

Data for Figures 1 and 2: Number of children with ADHD commenced on stimulant medication for the first time by age and year at commencement, 1990 to 2000

Year	<4 yrs	4 yrs	5-6 yrs	7-11 yrs	12-15 yrs	16-17 yrs	2-17 yrs
1990	18	26	154	618	267	27	1,110
1991	12	34	208	1,030	498	65	1,847
1992	30	88	388	1,522	620	72	2,720
1993	72	141	741	2,460	965	85	4,464
1994	101	258	973	2,958	1,276	146	5,712
1995	88	295	1,014	3,087	1,407	190	6,081
1996	115	288	1,055	2,900	1,179	201	5,738
1997	138	251	1,124	2,599	998	179	5,289
1998	120	257	1,205	2,878	988	223	5,671
1999	133	286	1,170	2,795	1,015	217	5,616
2000	86	234	1,085	2,740	936	205	5,286

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 3: Per cent of children with ADHD commenced on stimulant medication for the first time, by age and year at commencement, 1990 to 2000

Year	<5 yrs	5-6 yrs	7-8 yrs	9-11 yrs	12-15 yrs	16-17 yrs
1990	4.0	13.9	23.9	31.8	24.0	2.4
1991	2.5	11.3	22.3	33.5	27.0	3.5
1992	4.3	14.3	24.2	31.7	22.8	2.6
1993	4.8	16.6	24.4	30.7	21.6	1.9
1994	6.3	17.0	23.0	28.8	22.3	2.6
1995	6.3	16.7	23.8	26.9	23.1	3.1
1996	7.0	18.4	23.7	26.9	20.5	3.5
1997	7.4	21.3	25.1	24.1	18.9	3.4
1998	6.7	21.2	25.1	25.7	17.4	3.9
1999	7.5	20.8	25.8	24.0	18.1	3.9
2000	6.1	20.5	26.8	25.0	17.7	3.9

Data for Figure 4: Number of children with ADHD commenced on stimulant medication for the first time by sex, 1990 to 2000

Year	Males	Females
1990	933	176
1991	1,554	293
1992	2,320	400
1993	3,802	662
1994	4,757	955
1995	4,947	1,134
1996	4,671	1,067
1997	4,294	995
1998	4,553	1,118
1999	4,447	1,169
2000	4,147	1,139

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 5: Number of children with ADHD commenced on stimulant medication for the first time, by year and drug at commencement, 1990 to 2000

Year	Dexamphetamine	Methylphenidate	Total
1990	435	675	1,110
1991	740	1,107	1,847
1992	1,280	1,440	2,720
1993	2,523	1,941	4,464
1994	3,633	2,078	5,711
1995	3,632	2,447	6,079
1996			
1997	3,080	1,966	5,046
1998	3,301	2,135	5,436
1999	3,306	2,227	5,533
2000	2,915	2,289	5,204

Note: The drug used could not be determined for a large number of children first treated with stimulant medication in 1996, therefore data for 1996 are not shown. For the other years in the period 1994 to 2000, a small number of children are excluded for whom the initial drug used could not be determined.

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 6: Rate per 1,000 NSW resident population of children treated with stimulant medication for ADHD by sex and year, 30 June, 1990 to 2000

Year	Males	Females	Total
1990	2.1	0.4	1.2
1991	2.7	0.5	1.7
1992	4.1	0.8	2.5
1993	6.1	1.0	3.6
1994	11.4	2.0	6.8
1995	15.6	3.0	9.5
1996	18.0	3.7	11.0
1997	14.9	3.1	9.2
1998	16.7	3.7	10.3
1999	17.6	4.0	11.0
2000	18.1	4.1	11.3

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 7: Rate per 1,000 NSW resident population of children treated with stimulant medication for ADHD by age and year, 30 June, 1990 to 2000

Year	<5 years	5-6 years	7-11 years	12-15 years	16-17 years
1990	0.1	0.6	2.0	1.9	0.5
1991	0.1	0.7	2.7	2.4	1.0
1992	0.1	1.1	4.0	3.6	1.4
1993	0.4	2.3	6.2	4.7	1.5
1994	0.7	4.5	11.4	8.8	3.0
1995	0.8	5.6	15.7	12.7	4.7
1996	0.8	6.6	18.2	14.5	6.2
1997	0.8	6.5	14.7	12.0	4.9
1998	0.9	7.0	16.3	13.6	6.4
1999	0.9	6.9	17.5	14.5	6.8

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 8: Rate per 1,000 NSW resident population of children treated with stimulant medication for ADHD by drug and year, 30 June, 1990 to 2000

Year	Dexamphetamine	Methylphenidate
1990	0.5	0.8
1991	0.6	1.0
1992	1.0	1.4
1993	1.7	2.0
1994	3.4	3.4
1995	4.9	4.6
1996		
1997	4.6	4.3
1998	5.1	5.0
1999	5.5	5.4
2000	5.5	5.7

Note: The drug used could not be determined for a large number of children treated with stimulant medication as at 30 June 1996, therefore data for 1996 are not shown. For the other years in the period 1995 to 2000, a small number of children are excluded for whom the drug used could not be determined.

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 9: Rate per 1,000 NSW resident population of children treated with stimulant medication for ADHD as at 1 December 2000 by single year of age and sex

Age (Years)	Males	Females	Total
2	0.0	0.0	0.0
3	0.5	0.1	0.3
4	2.7	0.7	1.7
5	7.3	1.8	4.6
6	13.7	3.7	8.8
7	21.2	5.2	13.4
8	28.4	6.3	17.7
9	29.7	7.4	18.8
10	31.7	7.5	19.9
11	30.4	7.2	19.0
12	28.6	6.1	17.6
13	27.2	6.0	16.8
14	24.2	5.3	15.0
15	19.4	4.5	12.1
16	12.9	3.2	8.2
17	9.0	2.6	5.9
2-17	18.0	4.2	11.3

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 10: Per cent of children treated with stimulant medication for ADHD as at 1 December 2000 by age and drug

Age (Years)	Dexamphetamine	Methylphenidate
2	0.0	0.0
3	50.0	50.0
4	57.1	42.9
5-6	50.9	49.1
7-8	47.6	52.4
9-11	46.3	53.7
12-15	48.3	51.7
16-17	50.2	49.8
2-17	48.0	52.0

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 11: Average daily dose (in tablets) for children treated with stimulant medication for ADHD as at 1 December 2000 by age and drug

Age	Average daily dose (in tablets)	
	Dexamphetamine	Methylphenidate
<5	1.7	1.6
5-6	2.0	2.0
7-8	2.3	2.3
9-11	2.8	2.7
12-15	3.5	3.4
16-17	4.0	3.9
All	2.9	2.9

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 12: Per cent of children treated with stimulant medication for ADHD as at 1 December 2000 by age and daily dose

Number of tablets per day	Age (Years)					
	<5 yrs	5-6 yrs	7-8 yrs	9-11 yrs	12-15 yrs	16-17 yrs
<1	5.5	2.7	1.0	0.6	0.2	0.2
1-<2	52.4	32.2	22.5	11.9	4.8	2.7
2-<3	35.4	48.0	47.7	39.1	23.0	13.9
3-<4	6.7	14.6	21.6	31.1	31.4	24.8
4-<5	0.0	2.1	6.4	13.4	23.8	27.3
5-<6	0.0	0.3	0.7	2.6	10.4	16.2
6 or more	0.0	0.2	0.1	1.3	6.4	15.0

Data for Figure 13: Rate per 1,000 NSW resident population of children treated with stimulant medication for ADHD as at 1 December 2000 by health area of residence and sex

Health area of residence	Males	Females	Total
Hunter	29.7	6.6	18.4
Central Coast	24.7	4.9	15.1
Mid North Coast	23.9	4.8	14.6
Macquarie	22.7	6.0	14.6
Wentworth	22.7	5.0	14.0
Mid Western	21.2	5.1	13.4
South East Sydney	19.7	5.7	12.9
Northern Sydney	17.3	5.2	11.4
Western Sydney	16.8	4.3	10.8
Illawarra	17.3	3.4	10.5
Southern	16.8	3.3	10.2
Greater Murray	16.1	2.9	9.6
New England	15.9	2.9	9.5
Northern Rivers	14.6	2.8	8.8
South West Sydney	12.1	3.1	7.7
Central Sydney	7.3	1.5	4.5
Far West	2.0	0.4	1.2
NSW	18.0	4.3	11.3

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figures 14–17: Rate per 1,000 NSW resident population of children treated with stimulant medication for ADHD as at 1 December 2000 by health area of residence, age and sex

Health area of residence	5–6 years			7–11 years			12–15 years			16–17 years		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
Hunter	17.7	3.6	10.7	49.1	11.8	30.8	39.1	8.2	24.0	16.2	2.4	9.5
Central Coast	16.5	4.3	10.5	38.0	8.6	23.8	36.0	4.5	20.5	12.3	3.9	8.1
Mid North Coast	11.7	2.8	7.4	39.0	8.2	24.0	31.0	4.6	18.1	11.2	4.5	7.9
Macquarie	15.3	4.2	10.0	40.7	10.3	25.8	24.3	6.6	15.6	13.4	3.5	8.7
Wentworth	13.8	2.8	8.5	36.4	7.5	22.2	31.6	7.2	19.8	11.2	4.0	7.7
Mid Western	14.1	5.2	9.8	37.1	8.6	23.3	24.9	4.7	15.1	9.2	3.6	6.5
South East Sydney	8.6	4.6	6.7	28.7	7.7	18.4	30.7	8.6	20.0	15.4	4.2	10.0
Northern Sydney	8.1	1.5	4.9	22.6	7.3	15.1	26.3	8.0	17.4	18.9	5.0	12.3
Western Sydney	10.4	3.7	7.1	28.0	6.7	17.7	22.1	5.3	13.9	10.0	2.8	6.5
Illawarra	8.8	2.1	5.5	29.3	5.8	17.8	22.5	4.2	13.5	10.1	1.4	5.9
Southern	10.3	2.2	6.3	26.1	5.1	15.8	22.9	4.6	14.0	8.2	1.6	5.0
Greater Murray	10.6	1.5	6.1	27.8	6.4	17.3	19.3	2.2	10.8	6.4	1.0	3.8
New England	7.4	2.6	5.0	25.3	3.7	14.6	22.7	4.8	13.9	6.1	1.8	3.9
Northern Rivers	11.3	3.5	7.5	22.3	4.5	13.7	19.2	2.7	11.3	6.0	1.1	3.6
South West Sydney	8.1	1.6	5.0	19.1	4.8	12.2	16.7	4.3	10.6	6.5	2.7	4.6
Central Sydney	4.2	0.0	2.2	11.5	2.7	7.2	10.6	2.0	6.3	5.8	2.0	3.9
Far West	1.2	0.0	0.6	3.6	0.5	2.1	2.1	0.8	1.5	1.5	0.0	0.8
NSW	10.5	2.7	6.7	28.7	6.8	18.0	24.8	5.5	15.4	11.1	3.0	7.1

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.

Data for Figure 18: Per cent of children (aged 3–15 years who were first treated in 1997) who discontinued treatment after one prescription, by age

Age (Years)	Per cent
3	24.0
4	17.8
5	14.4
6	13.1
7	14.8
8	19.1
9	19.0
10	22.6
11	21.1
12	19.9
13	22.8
14	35.9
15	39.8
3–15	19.2

Source: *Pharmaceutical Drugs of Addiction System*, Pharmaceutical Services Branch, NSW Department of Health.