

Supplementary material

Mental health consultations in the perinatal period: a cost-analysis of Medicare services provided to women during a period of intense mental health reform in Australia

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Table S1: Cost of mental health MBS consultations per woman for women in their perinatal period^{1,2} (AUD 2011-2012)

	2007	2008	2009	2010	sig. ³
Provider Fees					
Average provider fees during the entire perinatal period	\$685	\$679	\$672	\$689	n.s.
SD	\$42	\$21	\$25	\$17	
<i>By Remoteness</i>					
Major Cities	\$770	\$761	\$747	\$773	n.s.
SD	\$59	\$27	\$30	\$20	
Regional	\$473	\$475	\$482	\$479	n.s.
SD	\$20	\$29	\$25	\$37	
Remote	\$334	\$403	\$311	\$391	n.s.
SD	\$75	\$169	\$56	\$115	
<i>By Provider Type</i>					
GP	\$178	\$182	\$186	\$186	<0.001
SD	\$4	\$5	\$2	\$7	
Allied Health	\$235	\$278	\$291	\$299	<0.001
SD	\$23	\$16	\$10	\$12	
Psychiatry	\$272	\$218	\$195	\$204	<0.001
SD	\$47	\$21	\$19	\$15	
<i>By State</i>					
NSW	\$637	\$640	\$661	\$680	n.s.
SD	\$88	\$59	\$52	\$49	
VIC	\$843	\$801	\$803	\$833	n.s.
SD	\$62	\$59	\$64	\$57	
WA	\$643	\$674	\$633	\$656	n.s.
SD	\$58	\$84	\$66	\$61	
Other States	\$610	\$616	\$585	\$590	n.s.
SD	\$66	\$40	\$26	\$35	
Medicare benefits					
Average Medicare benefits paid during the entire perinatal period	\$589	\$586	\$581	\$596	n.s.
SD	\$36	\$18	\$23	\$14	
<i>By Remoteness</i>					
Major Cities	\$656	\$651	\$641	\$662	n.s.
SD	\$51	\$23	\$27	\$13	
Regional	\$421	\$424	\$434	\$432	<0.05
SD	\$18	\$24	\$21	\$31	
Remote	\$294	\$354	\$284	\$351	n.s.
SD	\$55	\$133	\$49	\$92	
<i>By Provider Type</i>					
GP	\$175	\$179	\$182	\$183	<0.001
SD	\$4	\$4	\$2	\$6	
Allied Health	\$192	\$231	\$242	\$249	<0.001
SD	\$18	\$13	\$9	\$11	
Psychiatry	\$221	\$176	\$156	\$164	<0.001
SD	\$40	\$18	\$17	\$11	
<i>By State</i>					
NSW	\$551	\$557	\$575	\$593	n.s.
SD	\$77	\$50	\$43	\$43	
VIC	\$719	\$685	\$687	\$708	n.s.
SD	\$52	\$49	\$55	\$46	
WA	\$544	\$572	\$541	\$560	n.s.
SD	\$50	\$69	\$56	\$55	
Other States	\$529	\$535	\$513	\$518	n.s.
SD	\$56	\$35	\$23	\$33	

Out-of-pocket expenses

Average out-of-pocket expenses during the entire perinatal period	\$97	\$93	\$90	\$93	<0.001
SD	\$7	\$4	\$4	\$6	
<i>By Remoteness</i>					
Major Cities	\$114	\$110	\$107	\$111	<0.01
SD	\$10	\$6	\$4	\$9	
Regional	\$52	\$50	\$48	\$47	<0.05
SD	\$3	\$6	\$6	\$7	
Remote	\$40	\$49	\$27	\$40	n.s.
SD	\$25	\$40	\$12	\$29	
<i>By Provider Type</i>					
GP	\$3	\$3	\$3	\$3	n.s.
SD	\$0	\$0	\$0	\$1	
Allied Health	\$43	\$48	\$48	\$50	<0.001
SD	\$5	\$4	\$3	\$3	
Psychiatry	\$51	\$42	\$39	\$40	<0.001
SD	\$7	\$4	\$4	\$5	
<i>By State</i>					
NSW	\$86	\$83	\$86	\$87	<0.05
SD	\$11	\$10	\$11	\$8	
VIC	\$125	\$116	\$117	\$125	n.s.
SD	\$13	\$11	\$11	\$17	
WA	\$99	\$101	\$92	\$97	n.s.
SD	\$11	\$17	\$15	\$16	
Other States	\$82	\$81	\$72	\$72	<0.01
SD	\$12	\$8	\$8	\$6	

¹ The perinatal period is pregnancy to first postnatal year, therefore access to mental health items were captured from March 2006 to December 2011.

² Numbers may not tally due to rounding.

³ Tests for linear trends were carried out on all 53 birth months using ordinary least squares regression, with a t-test performed on the slope of the regression line.

Table S2: Cost of mental health MBS consultations per service and bulk billing rates for women in their perinatal period^{1,2} (AUD 2011-2012)

	2007	2008	2009	2010	sig. ³
Provider Fee					
Average MBS item cost for perinatal women	\$138	\$134	\$133	\$133	<0.001
SD	\$3	\$2	\$2	\$3	
<i>By Remoteness</i>					
Major Cities	\$142	\$138	\$136	\$137	<0.001
SD	\$4	\$2	\$3	\$3	
Regional	\$124	\$120	\$119	\$118	<0.001
SD	\$2	\$2	\$2	\$3	
Remote	\$125	\$120	\$118	\$123	n.s.
SD	\$12	\$12	\$9	\$10	
<i>By Provider Type</i>					
GP	\$121	\$118	\$115	\$113	<0.001
SD	\$2	\$1	\$2	\$1	
Allied Health	\$121	\$122	\$122	\$123	n.s.
SD	\$2	\$2	\$2	\$2	
Psychiatry	\$176	\$175	\$181	\$184	<0.001
SD	\$4	\$6	\$7	\$7	
<i>By State</i>					
NSW	\$141	\$135	\$133	\$134	<0.001
SD	\$7	\$4	\$4	\$3	
VIC	\$140	\$135	\$136	\$138	<0.01
SD	\$3	\$4	\$2	\$4	
WA	\$141	\$142	\$140	\$136	<0.05
SD	\$5	\$7	\$5	\$6	
Other States	\$133	\$129	\$126	\$125	<0.001
SD	\$4	\$2	\$3	\$3	
Medicare benefits					
Average MBS item cost for perinatal women	\$119	\$115	\$115	\$115	<0.001
SD	\$3	\$2	\$2	\$2	
<i>By Remoteness</i>					
Major Cities	\$121	\$118	\$117	\$117	<0.001
SD	\$3	\$2	\$3	\$2	
Regional	\$111	\$108	\$107	\$106	<0.001
SD	\$2	\$2	\$2	\$2	
Remote	\$110	\$106	\$108	\$110	n.s.
SD	\$7	\$9	\$7	\$7	
<i>By Provider Type</i>					
GP	\$119	\$116	\$114	\$111	<0.001
SD	\$2	\$1	\$2	\$1	
Allied Health	\$99	\$101	\$102	\$102	<0.001
SD	\$2	\$1	\$2	\$2	
Psychiatry	\$143	\$141	\$145	\$147	<0.01
SD	\$4	\$6	\$6	\$5	
<i>By State</i>					
NSW	\$122	\$118	\$116	\$117	<0.001
SD	\$6	\$3	\$3	\$3	
VIC	\$120	\$115	\$116	\$117	<0.01
SD	\$3	\$3	\$2	\$3	
WA	\$120	\$120	\$120	\$116	n.s.
SD	\$5	\$5	\$4	\$4	
Other States	\$115	\$112	\$110	\$110	<0.001
SD	\$3	\$2	\$3	\$2	
Out-of-pocket expenses					
Average MBS item cost for perinatal women	\$20	\$18	\$18	\$18	<0.001
SD	\$1	\$0	\$1	\$1	
<i>By Remoteness</i>					

Major Cities	\$21	\$20	\$20	\$20	<0.001
SD	\$1	\$1	\$1	\$1	
Regional	\$14	\$13	\$12	\$12	<0.001
SD	\$0	\$1	\$1	\$1	
Remote	\$15	\$15	\$10	\$13	n.s.
SD	\$8	\$7	\$4	\$7	
<i>By Provider Type</i>					
GP	\$2.1	\$1.9	\$1.9	\$1.9	<0.01
SD	\$0	\$0	\$0	\$0	
Allied Health	\$22	\$21	\$20	\$20	<0.001
SD	\$1	\$1	\$1	\$1	
Psychiatry	\$33	\$34	\$36	\$36	<0.001
SD	\$3	\$2	\$2	\$3	
<i>By State</i>					
NSW	\$19	\$18	\$17	\$17	<0.001
SD	\$1	\$1	\$1	\$1	
VIC	\$21	\$20	\$20	\$21	<0.05
SD	\$1	\$1	\$1	\$2	
WA	\$22	\$21	\$20	\$20	<0.05
SD	\$1	\$2	\$2	\$3	
Other States	\$18	\$17	\$15	\$15	<0.001
SD	\$1	\$1	\$2	\$1	
Bulk Billing rates					
Percentage of consultations bulk billed	44%	47%	51%	52%	<0.001
<i>By Remoteness</i>					
Major Cities	40%	43%	47%	48%	<0.001
Regional	59%	61%	64%	67%	<0.001
Remote	62%	62%	70%	68%	n.s.
<i>By Provider Type</i>					
GP	89%	90%	91%	92%	<0.001
Allied Health	30%	33%	37%	40%	<0.001
Psychiatry	19%	19%	21%	21%	n.s.
<i>By State</i>					
NSW	50%	51%	54%	54%	<0.001
VIC	39%	41%	45%	46%	<0.001
WA	40%	40%	44%	47%	<0.001
Other States	47%	51%	56%	58%	<0.001

¹ The perinatal period is pregnancy to first postnatal year, therefore access to mental health items were captured from March 2006 to December.

² Numbers may not tally due to rounding.

³ Tests for linear trends were carried out on all 53 birth months using ordinary least squares regression, with a t-test performed on the slope of the regression line.