

**Year 1 Program costs in US \$ for gradual rollout in Gauteng province, South Africa**

Parameter	MAMA			Non-MAMA			Incremental
	Base case	High	Low	Base case	High	Low	
<b>Total users</b>							
Proportion ANC 4+	72%	85%	55%	46%	53%	38%	26%
Number ANC 4+ Gauteng	2,073	2,447	1,583	1,324	1,526	1,094	749
Proportion Fully immunized	95%	98%	92%	90%	94%	84%	5%
Number Fully immunized	2,735	2,821	2,649	2,591	2,706	2,418	144
Proportion ANC4+ & Fully immunized	67%	75%	57%	39%	53%	26%	
Number ANC4+ & Fully immunized	1,928.93	2,159.25	1,641.03	1,122.81	1,525.87	748.54	806
Incremental Lives Saved							190.00
Disability adjusted live years averted							5,130.00
<b>Provider costs</b>							
Peer educator time costs to register MAMA users	\$ 0.08	\$ 0.11	\$ 0.04	-	-	-	
<b>Registration costs Gauteng</b>	<b>\$ 221.40</b>	<b>\$ 323.69</b>	<b>\$ 124.22</b>				<b>\$ 221.40</b>
ANC 1 Group counseling (5 minute peer educator)	\$ 0.26	\$ 0.37	\$ 0.14	\$ 0.26	\$ 0.37	\$ 0.14	
ANC 1 One on one consultation (10 minute Nurse time)	\$ 1.03	\$ 1.50	\$ 0.58	\$ 1.03	\$ 1.50	\$ 0.58	
<b>Total ANC1</b>	<b>\$ 1.28</b>	<b>\$ 1.87</b>	<b>\$ 0.72</b>	<b>\$ 1.28</b>	<b>\$ 1.87</b>	<b>\$ 0.72</b>	
ANC 2	\$ 1.03	\$ 1.50	\$ 0.58	\$ 1.03	\$ 1.50	\$ 0.58	
ANC 3	\$ 1.03	\$ 1.50	\$ 0.58	\$ 1.03	\$ 1.50	\$ 0.58	
ANC 4	\$ 1.03	\$ 1.50	\$ 0.58	\$ 1.03	\$ 1.50	\$ 0.58	
<b>Total ANC 4+</b>	<b>\$ 4.36</b>	<b>\$ 6.37</b>	<b>\$ 2.45</b>	<b>\$ 4.36</b>	<b>\$ 6.37</b>	<b>\$ 2.45</b>	
<b>ANC 4+ Gauteng</b>	<b>\$ 9,033.29</b>	<b>\$ 10,088.27</b>	<b>\$ 5,983.43</b>	<b>\$ 5,771.27</b>	<b>\$ 6,970.08</b>	<b>\$ 3,730.85</b>	<b>\$ 3,262.02</b>

PNC 1 (10 minute Nurse time)	\$ 1.03	\$ 1.50	\$ 0.58	\$ 1.03	\$ 1.50	\$ 0.58		
PNC 2 (5 minute Nurse time)	\$ 0.51	\$ 0.75	\$ 0.29	\$ 0.51	\$ 0.75	\$ 0.29		
PNC 3 (5 minute Nurse time)	\$ 0.51	\$ 0.75	\$ 0.29	\$ 0.51	\$ 0.75	\$ 0.29		
PNC 4 (5 minute Nurse time)	\$ 0.51	\$ 0.75	\$ 0.29	\$ 0.51	\$ 0.75	\$ 0.29		
PNC 5 (5 minute Nurse time)	\$ 0.51	\$ 0.75	\$ 0.29	\$ 0.51	\$ 0.75	\$ 0.29		
<b>Total PNC 5</b>	<b>\$ 3.08</b>	<b>\$ 4.50</b>	<b>\$ 1.73</b>	<b>\$ 3.08</b>	<b>\$ 4.50</b>	<b>\$ 1.73</b>		
<b>PNC5+ (Fully immunized) Gauteng</b>	<b>\$ 8,413.36</b>	<b>\$ 11,911.72</b>	<b>\$ 4,869.56</b>	<b>\$ 7,970.55</b>	<b>\$ 10,875.91</b>	<b>\$ 4,670.81</b>	<b>\$ 442.81</b>	
<b>Total provider cost per ANC4+ &amp; Fully immunized Gauteng</b>	<b>17,668</b>	<b>22,324</b>	<b>10,977</b>	<b>13,742</b>	<b>17,846</b>	<b>8,402</b>	<b>\$ 3,926.23</b>	
<b>Users' costs</b>								
<b>Mean PNC cost per person per visit</b>								
Food	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ -	
Wages lost (self)	\$ 0.18	\$ 0.24	\$ 0.11	\$ 0.18	\$ 0.24	\$ 0.11	\$ -	
Wages lost (spouse)	\$ 1.31	\$ 1.44	\$ 1.18	\$ 1.31	\$ 1.44	\$ 1.18	\$ -	
Child care for other children	\$ 0.07	\$ 0.26	\$ (0.13)	\$ 0.07	\$ 0.26	\$ (0.13)	\$ -	
Transport	\$ 0.08	\$ 0.34	\$ (0.18)	\$ 0.08	\$ 0.34	\$ (0.18)	\$ -	
<b>sub-total PNC</b>	<b>\$ 1.66</b>	<b>\$ 2.31</b>	<b>\$ 1.01</b>	<b>\$ 1.66</b>	<b>\$ 2.31</b>	<b>\$ 1.01</b>	<b>\$ -</b>	
PNC Visit 1: Birth	\$ 1.48	\$ 2.07	\$ 0.90	\$ 1.48	\$ 2.07	\$ 0.90	\$ -	
PNC Visit 2: 6 week	\$ 1.48	\$ 2.07	\$ 0.90	\$ 1.48	\$ 2.07	\$ 0.90	\$ -	
PNC Visit 3: 10 week	\$ 1.48	\$ 2.07	\$ 0.90	\$ 1.48	\$ 2.07	\$ 0.90	\$ -	
PNC Visit 4: 14 week	\$ 1.48	\$ 2.07	\$ 0.90	\$ 1.48	\$ 2.07	\$ 0.90	\$ -	
PNC Visit 5: 9 months	\$ 1.66	\$ 2.31	\$ 1.01	\$ 1.66	\$ 2.31	\$ 1.01	\$ -	

<b>Total PNC</b>	\$	\$	\$	\$	\$	\$	\$	\$	-
	7.60	10.59	4.61	7.60	10.59	4.61			
<b>PNC5+ (Fully immunized) Gauteng</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$
	20,784.94	28,041.30	13,012.54	19,691.00	25,602.92	12,481.42			1,093.94
ANC Visit 1	\$	\$	\$	\$	\$	\$	\$	\$	-
	1.66	2.31	1.01	1.66	2.31	1.01			
ANC Visit 2	\$	\$	\$	\$	\$	\$	\$	\$	-
	1.66	2.31	1.01	1.66	2.31	1.01			
ANC Visit 3	\$	\$	\$	\$	\$	\$	\$	\$	-
	1.66	2.31	1.01	1.66	2.31	1.01			
ANC Visit 4	\$	\$	\$	\$	\$	\$	\$	\$	-
	1.66	2.31	1.01	1.66	2.31	1.01			
<b>Total ANC 1-4</b>	\$	\$	\$	\$	\$	\$	\$	\$	-
	6.64	9.24	4.04	6.64	9.24	4.04			
<b>ANC 4+ Gauteng</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$
	13,766.49	14,629.49	9,895.01	8,795.26	10,107.65	6,169.83			4,971.23
<b>Total users cost per ANC4+ &amp; Fully immunized Gauteng</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$
	34,551.44	42,670.79	22,907.55	28,486.26	35,710.57	18,651.25			6,065.18
<b>Annual program costs: Year 4</b>									
<b>Implementation support</b>									
Development	\$	\$	\$						\$
	12.97	16.22	9.73						12.97
Start-up	\$	\$	\$						\$
	6.17	7.71	4.63						6.17
Training	\$	\$	\$						\$
	0.05	0.07	0.04						0.05
Personnel	\$	\$	\$						\$
	6.38	7.98	4.79						6.38
Buildings	\$	\$	\$						\$
	2.08	2.59	1.56						2.08
Transport	\$	\$	\$						\$
	1.12	1.40	0.84						1.12
Communication	\$	\$	\$						\$
	0.19	0.23	0.14						0.19
<b>Sub-total implementation support</b>	\$	\$	\$						\$
	28.96	36.20	21.72						28.96
<b>Technology costs</b>									
Start-up/ Development	\$	\$	\$						\$
	0.05	0.41	0.24						0.05

	\$	\$	\$				\$
Content maintenance	3.64	4.55	2.73				3.64
	\$	\$	\$				\$
Technology maintenance	2.88	3.59	2.16				2.88
	\$	\$	\$				\$
Project management/ personnel	8.93	11.16	6.69				8.93
	\$	\$	\$				\$
M&E	0.64	0.80	0.48				0.64
	\$	\$	\$				\$
Building/ Overhead	3.50	4.37	2.62				3.50
	\$	\$	\$				\$
Travel	3.94	4.93	2.96				3.94
	\$	\$	\$				\$
SMS Message delivery	1.87	3.19	1.52				1.87
	\$	\$	\$				\$
SMS Translation	0.60	0.75	0.45				0.60
	\$	\$	\$				\$
Printing	1.64	2.05	1.23				1.64
	\$	\$	\$				\$
<i>Sub-total technology</i>	27.68	35.80	21.09				27.68
	\$	\$	\$				\$
<b>Total program cost per user</b>	56.65	72.01	42.81				56.65
	\$	\$	\$				\$
<b>Total program cost Gauteng</b>	<b>163,082.27</b>	<b>207,307.42</b>	<b>123,250.26</b>				<b>163,082.27</b>
	\$	\$	\$	\$	\$	\$	\$
<b>Total societal cost Gauteng</b>	<b>215,301.76</b>	<b>272,301.88</b>	<b>157,135.03</b>	<b>42,228.08</b>	<b>53,556.56</b>	<b>27,052.90</b>	<b>173,073.69</b>