

The impact of Covid-19 on pregnancy in 2020 compared with 2019: interim fact sheet

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This fact sheet includes Data on maternal and perinatal service utilization and outcomes in 2020 compared to 2019, derived from DHIS data and extracted in February 2021.

It thus demonstrates the impact of the first wave of Covid 19 pandemic and the beginning of the second wave on these services and outcomes.

A comprehensive report, *The effect of the first wave of Covid-19 on use of maternal and reproductive health services and maternal deaths in South Africa* (O&G Forum,2020;30(4): 38-46) was published in December 2020 and has been endorsed by the National Department of health. It outlines the background to and methodology used in this fact sheet for analysing and presenting the data, with a comprehensive discussion.

The data in this Fact sheet includes Antenatal care visits, Contraception visits, Terminations of pregnancy and Live births as indicators of service utilisation. Maternal and perinatal mortality data is presented as outcomes.

The Tables provide data per quarter and the Figures present the difference between 2020 and 2019 with:

- positive value indicating **more** cases in 2020
- negative value indicating **less** cases in 2020.

Q1 covers January to March, Q2 April to June, Q3 July to September and Q4 October to December for both years .

The Covid-19 pandemic essentially started at the beginning of the lockdown, that is at the very end of Q1, so for practical purposes the effect of the Covid-19 pandemic on pregnancy is seen in the later Quarters (from Q2 onwards). The first wave ended in the third quarter and the second wave started in earnest in December 2020 (end quarter 4).

Data is presented nationally, and per province, followed by a Summary with Recommendations. Additional more detailed data is provided at the end of the report on large metropolitan and large rural districts, and some Eastern Cape sites which were affected earliest by the Second wave. Additionally the data from the NDoH/SAMRC/UP database on women who have delivered in the public sector who had proven Covid-19 will be included.

Contents

	Page
South Africa	3
Provinces	9
Summary and recommendations	19
Additional data	
• Metropolitan areas and large rural districts	20
• Metros and large districts reported as having the second wave of Covid-19 first	27
• Use of maternal and reproductive health services in two metropolitan and two rural areas as case studies	28
• Comparison of percent difference between sites: 2020-2019	34
• Use of maternal and reproductive health services in two sites involved early with the second wave	38
• Comparison of early wave sites	41
• NDoH/SAMRC/UP database on outcome of pregnancies of women who have had proven Covid-19 in the public sector	44

South Africa

Table 1: Maternal deaths and Mortality rates in SA before and after the onset of the Covid 19 pandemic

	Before Covid (Jan2019- Mar 2020)	During Covid (Apr 2020- Dec 2020)
Maternal death in facility	1 190	866
Live birth in facility	1 197 247	742 957
iMMR	99,4	116,6

There has been a 17% increase in maternal deaths

Table 2. Maternal deaths and Mortality rates per quarter in SA for 2020 compared with 2019

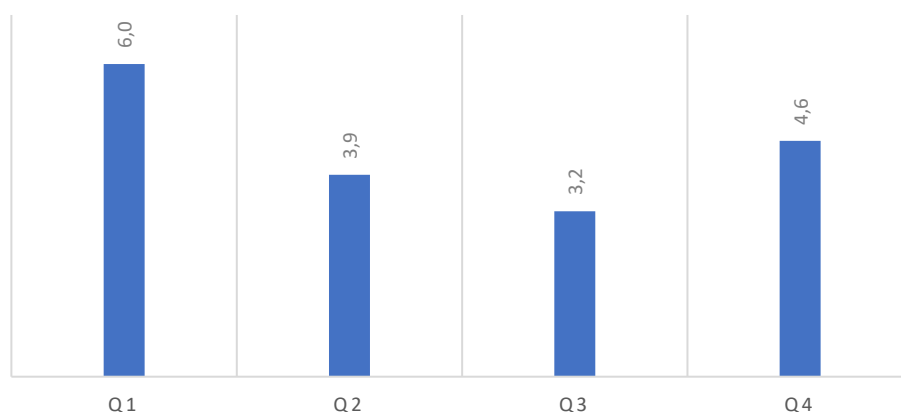
	2019				2020			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Live birth in facility	233 921	241 490	243 993	229 772	248 071	250 915	251 793	240 249
Maternal death in facility	270	217	224	244	235	284	292	290
iMMR	115,42	89,86	91,81	106,19	94,73	113,19	115,97	120,71

Difference	Q1	Q2	Q3	Q4	% diff.	Q1	Q2	Q3	Q4
Live birth in facility	14 150	9 425	7 800	10 477		6,0	3,9	3,2	4,6
Maternal death in facility	-35	67	68	46		-13,0	30,9	30,4	18,9
iMMR	-21	23	24	15		-17,9	26,0	26,3	13,7

The maternal mortality rate was reduced in Q1 2020 compared to 2019, but markedly increased in Q2 and Q3 (first wave), with a lesser increase in Q4 (beginning of second wave)

Figure 1. Live Births in Facilities in SA; Percentage differences between quarters in 2020 compared to 2019

PERCENT DIFFERENCE OF LIVE BIRTH IN FACILITY



Number of births in facility increased every quarter in 2020 when compared with 2019

Figure 2. Total number of maternal deaths in SA per month January 2019 to December 2020.

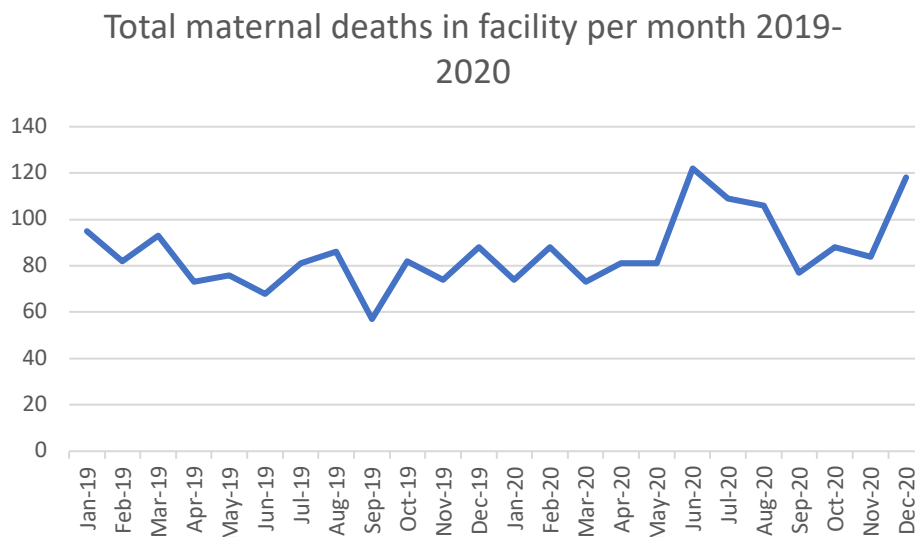
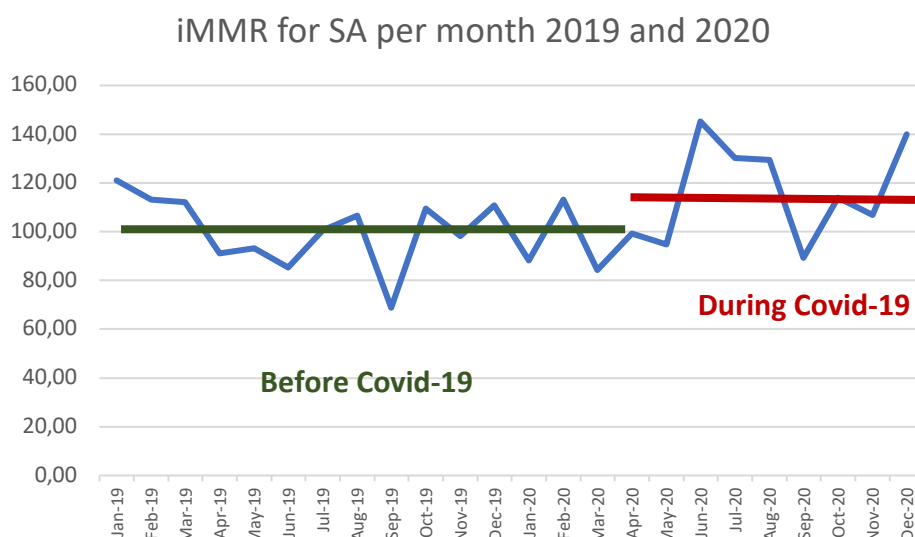


Figure 3. iMMR in SA per month January 2019 to December 2020



The Excess deaths (when compared with matching quarter Q2, Q3 and Q4) is 181 maternal deaths. Maternal deaths recorded in pregnant women with Covid-19 from NDoH/SAMRC/UP database for public hospitals was 38 (see NDoH/SAMRC/UP database in appendix). The excess deaths are 4,8 times the deaths recorded in pregnancy with Covid-19. This indicates there is probably significant collateral damage due to the Covid-19 pandemic and its effect on maternity service utilisation and service provision.

Figure 4. iMMR in SA per quarter 2019 and 2020

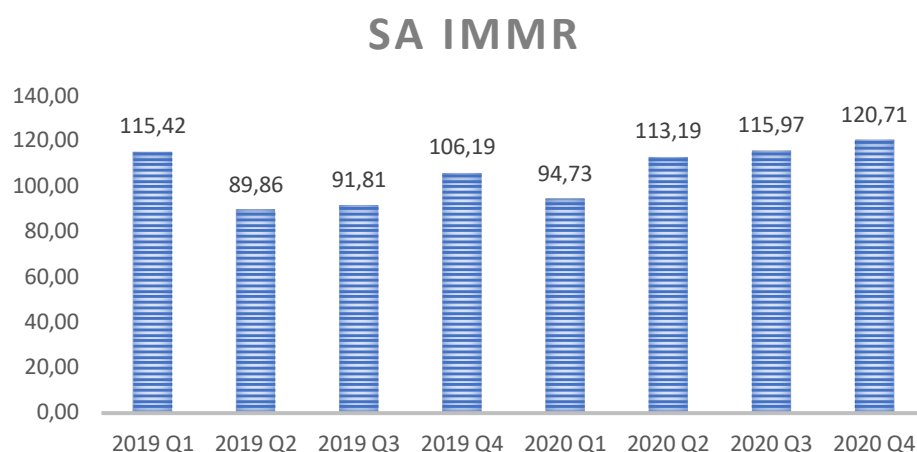
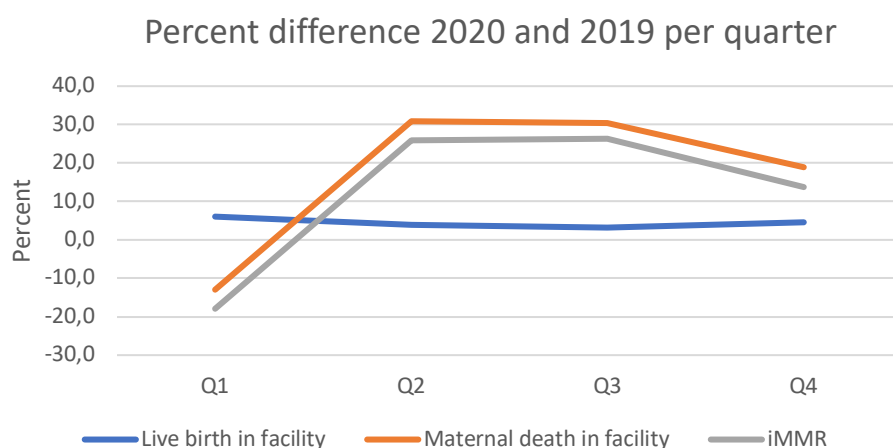


Figure 5. Percentage difference in maternal deaths and iMMR in SA for 2020 compared to 2019, per quarter



The iMMR increased by 26% in 2020 for Q2 and Q3, and by 13,7% in Q4

Table 3. Use of maternity and reproductive health services in SA in 2019 and 2020, per quarter

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	163 150	145 037	164796	147421	169711	146558	160127	149159
Antenatal 1st visit total	240 427	209 817	230743	209416	247626	216456	233545	219336
Termination of pregnancy - total	30 225	28 887	33029	30844	31686	23181	25757	27677
Termination of pregnancy 0-12 weeks	25 631	25 273	28887	26788	27340	20287	22830	24542
Termination of pregnancy 10-19 years	3 941	3 749	4245	4264	4043	2726	3444	3797
Termination of pregnancy 13-20 weeks	4 594	3 614	4142	4056	4346	2894	2927	3135
Termination of pregnancy 20 years and older	25 565	24 797	28391	26109	27704	20557	22056	24217
IUCD inserted	12 440	12 086	13265	12719	13143	10694	11063	12874
Medroxyprogesterone injection	1 197 179	1 161 700	1202004	1061358	1164540	1102536	987740	1060992
Norethisterone enanthate injection	349 898	517 502	577123	657808	478541	450421	601640	609495
Oral pill cycle	720 460	624 841	607731	594715	655181	551834	611771	570391
Sub-dermal implant inserted	44 110	38 665	35596	26545	28624	26177	33548	48349
All contraceptives prescribed	2 324 087	2 354 794	2 435 719	2 353 145	2 340 029	2 141 662	2 245 762	2 302 101

Table 4. Differences in use of maternity and reproductive health services in SA for 2020 compared to 2019, per quarter

Difference Antenatal first visits	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
Antenatal 1st visit before 20 weeks	6561	1521	-4669	1738	Antenatal 1st visit before 20 weeks	4,0	1,0	-2,8	1,2
Antenatal 1st visit total	7199	6639	2802	9920	Antenatal 1st visit total	3,0	3,2	1,2	4,7
Difference Termination of pregnancy	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
Total	1461	-5706	-7272	-3167	Total	4,8	-19,8	-22,0	-10,3
0-12 weeks	1709	-4986	-6057	-2246	0-12 weeks	6,7	-19,7	-21,0	-8,4
10-19 years	102	-1023	-801	-467	10-19 years	2,6	-27,3	-18,9	-11,0
13-20 weeks	-248	-720	-1215	-921	13-20 weeks	-5,4	-19,9	-29,3	-22,7
20 years and older	2139	-4240	-6335	-1892	20 years and older	8,4	-17,1	-22,3	-7,2
Difference contraceptives prescribed	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
IUCD inserted	703	-1392	-2202	155	IUCD inserted	5,7	-11,5	-16,6	1,2
Medroxyprogesterone injection	-32639	-59164	-214264	-366	Medroxyprogesterone injection	-2,7	-5,1	-17,8	0,0
Norethisterone enanthate injection	128643	-67081	24517	-48313	Norethisterone enanthate injection	36,8	-13,0	4,2	-7,3
Oral pill cycle	-65279	-73007	4040	-24324	Oral pill cycle	-9,1	-11,7	0,7	-4,1
Sub-dermal implant inserted	-15486	-12488	-2048	21804	Sub-dermal implant inserted	-35,1	-32,3	-5,8	82,1
All contraceptives prescribed	15942	-213132	-189957	-51044	All contraceptives prescribed	0,7	-9,1	-7,8	-2,2

Figure 6. Difference in numbers of Antenatal first visits in SA for 2020 compared to 2019, per quarter

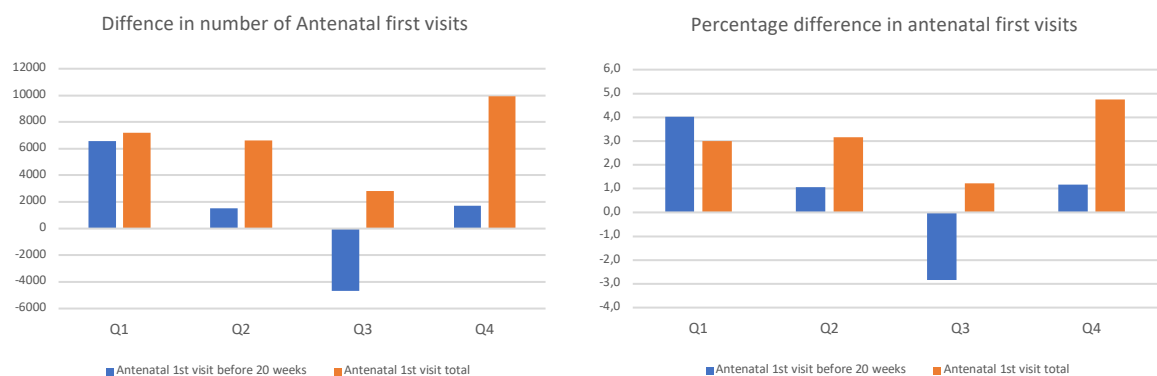


Figure 7. Difference in numbers of Terminations of Pregnancy in SA for 2020 compared to 2019, per quarter

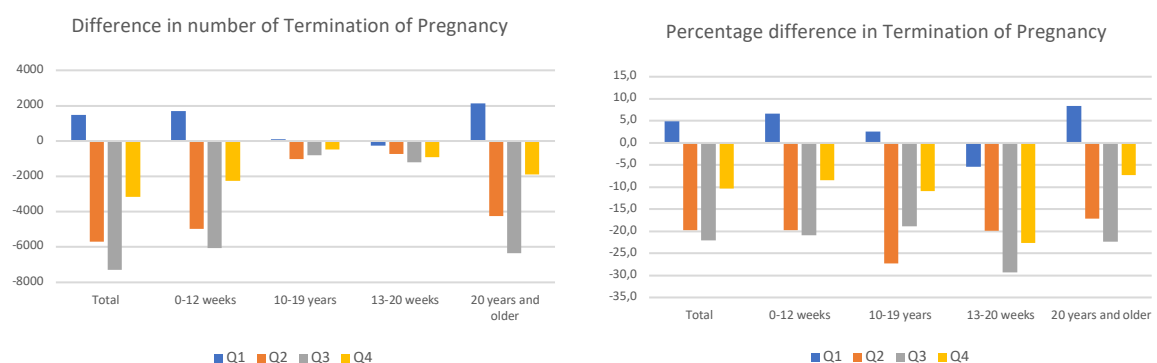
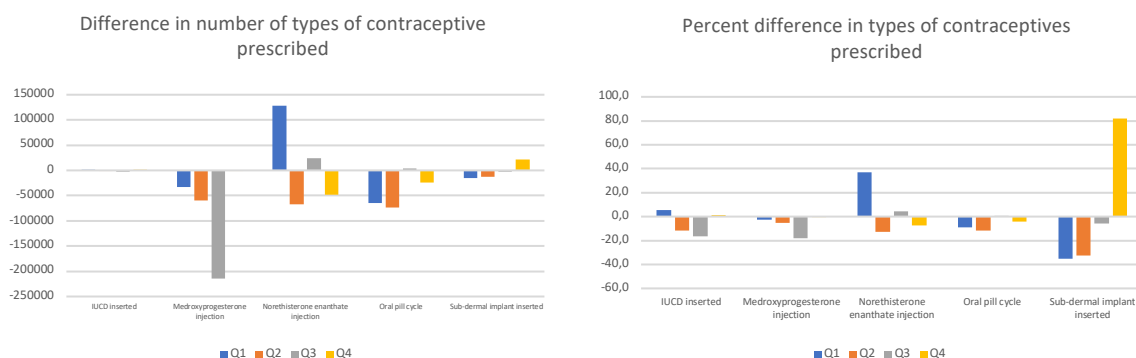


Figure 8. Difference in numbers of Contraceptives prescribed in SA for 2020 compared to 2019, per quarter



Tables 1 and 2 show that women have continued to use maternity services as evidenced by the increase in births in facilities in 2020 compared with 2019. Tables 3 and 4 and Figure 6 show that there was a general decrease in the number of first visits occurring before 20 weeks in Q2-4 with the maximum decrease during Q3 (peak of the first wave). However, women continued to use the antenatal clinics if attending for the first time later. However, there has been a general reduction in the number termination of pregnancies performed in Q2, Q3 and Q4, for 2020 compared to 2019 (figure 7), and contraceptive prescriptions for Q 2 and Q3 (figure 8)

Table 5. Perinatal deaths in SA per quarter for 2019 and 2020

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Still birth in facility	5 012	4 867	4 778	4 966	5 288	4 772	4 953	4 947
Live birth in facility	233 921	241 490	243 993	229 772	248 071	250 915	251 793	240 249
All births	238 933	246 357	248 771	234 738	253 359	255 687	256 746	245 196
Death in facility 0-6 days	2 441	2 431	2 324	2 380	2 451	2 465	2 281	2 454
Death in facility 7-28 days	588	557	569	622	574	649	699	728
PND	7 453	7 298	7 102	7 346	7 739	7 237	7 234	7 401
	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	21,0	19,8	19,2	21,2	20,9	18,7	19,3	20,2
NNDR	10,4	10,1	9,5	10,4	9,9	9,8	9,1	10,2
PNMR	31,2	29,6	28,5	31,3	30,5	28,3	28,2	30,2

Table 6. Differences in Perinatal death in SA for 2020 compared to 2019 per quarter

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
Still birth in facility	276	-95	175	-19	Still birth in facility	5,5	-2,0	3,7	-0,4
Live birth in facility	14150	9425	7800	10477	Live birth in facility	6,0	3,9	3,2	4,6
All births	14426	9330	7975	10458	All births	6,0	3,8	3,2	4,5
Death in facility 0-6 days	10	34	-43	74	Death in facility 0-6 days	0,4	1,4	-1,9	3,1
Death in facility 7-28 days	-14	92	130	106	Death in facility 7-28 days	-2,4	16,5	22,8	17,0
PND	286	-61	132	55	PND	3,8	-0,8	1,9	0,7
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SBR	-0,11	-1,09	0,09	-0,98	SBR	-0,5	-5,5	0,4	-4,6
NNDR	-0,55	-0,24	-0,47	-0,14	NNDR	-5,3	-2,4	-4,9	-1,4
PNMR	-0,65	-1,32	-0,37	-1,11	PNMR	-2,1	-4,5	-1,3	-3,5

The perinatal data is difficult to interpret ; also there is considerable discrepancies between the DHIS perinatal death data and that of PPIP. The data suggests an increase in still births in Q3. This increase in stillbirths has been born out by more detailed studies in the Western Cape and Mpumalanga provinces.

Provinces

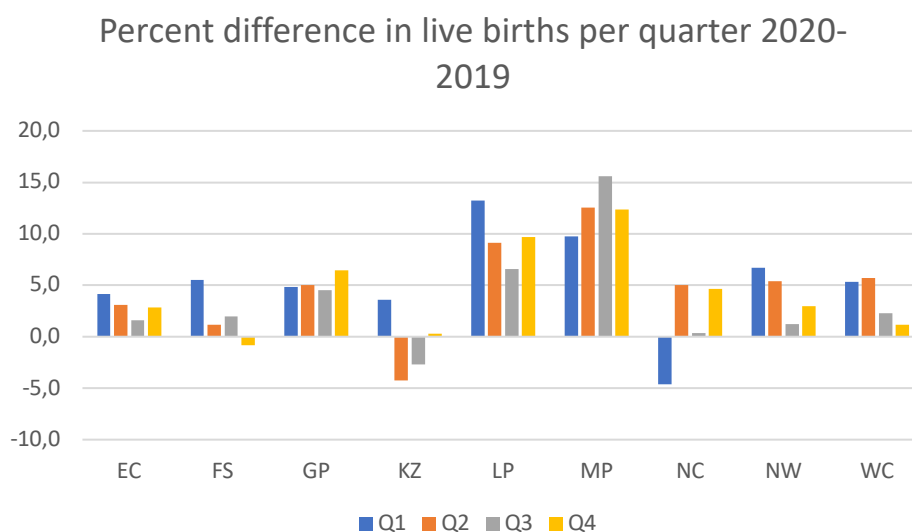
Table 7. Maternal deaths, Live Births and iMMR for each province per quarter in 2019 and 2020

Live births	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
EC	25534	25766	26367	24755	26589	26561	26795	25463
FS	10538	11084	11208	10812	11118	11216	11429	10723
GP	52364	54733	54771	52775	54900	57471	57232	56172
KZ	48892	52253	52553	46601	50633	50025	51135	46747
LP	32394	32314	33197	30542	36690	35272	35375	33492
MP	19917	20368	20201	19421	21859	22920	23353	21817
NC	5666	5509	5432	5177	5403	5787	5450	5419
NW	14462	14923	15259	14749	15435	15728	15449	15186
WC	24154	24540	25005	24940	25444	25935	25575	25230
Maternal deaths	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
EC	35	28	27	34	33	34	43	49
FS	21	17	12	18	13	13	23	21
GP	69	49	59	72	65	66	70	59
KZ	57	34	44	37	54	49	61	57
LP	41	33	32	39	30	47	36	42
MP	9	15	17	14	13	26	16	21
NC	5	10	7	6	3	2	7	6
NW	20	18	16	13	10	17	18	23
WC	13	13	10	11	14	30	18	12
iMMR	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
EC	137,1	108,7	102,4	137,3	124,1	128,0	160,5	192,4
FS	199,3	153,4	107,1	166,5	116,9	115,9	201,2	195,8
GP	131,8	89,5	107,7	136,4	118,4	114,8	122,3	105,0
KZ	116,6	65,1	83,7	79,4	106,6	98,0	119,3	121,9
LP	126,6	102,1	96,4	127,7	81,8	133,3	101,8	125,4
MP	45,2	73,6	84,2	72,1	59,5	113,4	68,5	96,3
NC	88,2	181,5	128,9	115,9	55,5	34,6	128,4	110,7
NW	138,3	120,6	104,9	88,1	64,8	108,1	116,5	151,5
WC	53,8	53,0	40,0	44,1	55,0	115,7	70,4	47,6

Table 8. Differences in Maternal deaths, Live Births and iMMR for each province per quarter in 2019 and 2020

Difference LBs	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
EC	1055	795	428	708	EC	4,1	3,1	1,6	2,9
FS	580	132	221	-89	FS	5,5	1,2	2,0	-0,8
GP	2536	2738	2461	3397	GP	4,8	5,0	4,5	6,4
KZ	1741	-2228	-1418	146	KZ	3,6	-4,3	-2,7	0,3
LP	4296	2958	2178	2950	LP	13,3	9,2	6,6	9,7
MP	1942	2552	3152	2396	MP	9,8	12,5	15,6	12,3
NC	-263	278	18	242	NC	-4,6	5,0	0,3	4,7
NW	973	805	190	437	NW	6,7	5,4	1,2	3,0
WC	1290	1395	570	290	WC	5,3	5,7	2,3	1,2
Difference MDs	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
EC	-2	6	16	15	EC	-5,7	21,4	59,3	44,1
FS	-8	-4	11	3	FS	-38,1	-23,5	91,7	16,7
GP	-4	17	11	-13	GP	-5,8	34,7	18,6	-18,1
KZ	-3	15	17	20	KZ	-5,3	44,1	38,6	54,1
LP	-11	14	4	3	LP	-26,8	42,4	12,5	7,7
MP	4	11	-1	7	MP	44,4	73,3	-5,9	50,0
NC	-2	-8	0	0	NC	-40,0	-80,0	0,0	0,0
NW	-10	-1	2	10	NW	-50,0	-5,6	12,5	76,9
WC	1	17	8	1	WC	7,7	130,8	80,0	9,1
Difference iMMR	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
EC	-13,0	19,3	58,1	55,1	EC	-9,5	17,8	56,7	40,1
FS	-82,4	-37,5	94,2	29,4	FS	-41,3	-24,4	88,0	17,6
GP	-13,4	25,3	14,6	-31,4	GP	-10,1	28,3	13,5	-23,0
KZ	-9,9	32,9	35,6	42,5	KZ	-8,5	50,5	42,5	53,6
LP	-44,8	31,1	5,4	-2,3	LP	-35,4	30,5	5,6	-1,8
MP	14,3	39,8	-15,6	24,2	MP	31,6	54,0	-18,6	33,5
NC	-32,7	-147,0	-0,4	-5,2	NC	-37,1	-81,0	-0,3	-4,5
NW	-73,5	-12,5	11,7	63,3	NW	-53,2	-10,4	11,1	71,8
WC	1,2	62,7	30,4	3,5	WC	2,2	118,4	76,0	7,8

Figure 9. Percent differences in live births per quarter for 2020 compared to 2019 for each province



There was an above average increase in births in Limpopo and Mpumalanga Provinces. It is postulated that this could have been due to urban to rural population movement during lockdown and the pandemic surges

Figure 10. Differences in maternal deaths per quarter for 2020 compared to 2019 for each province

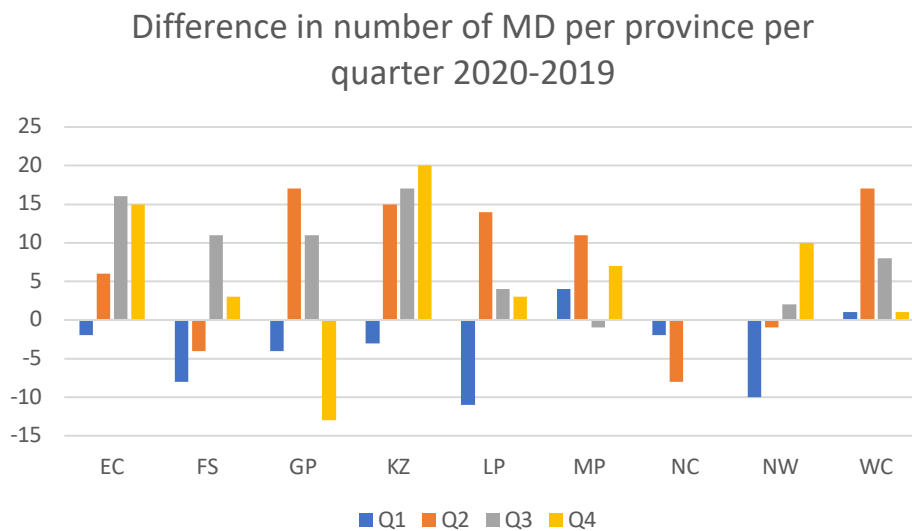


Figure 11. Percent differences in maternal deaths per quarter for 2020 compared to 2019 for each province

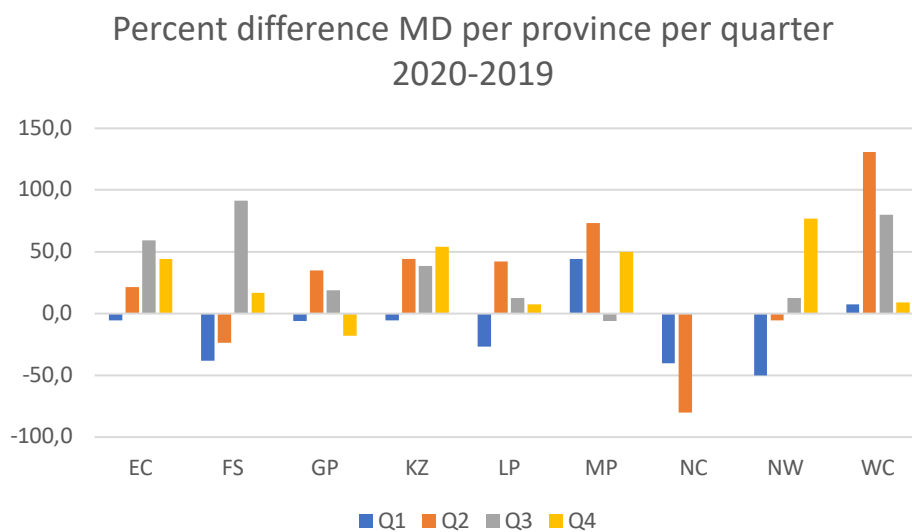


Figure 12. iMMR per quarter for 2019 and 2020 for each province

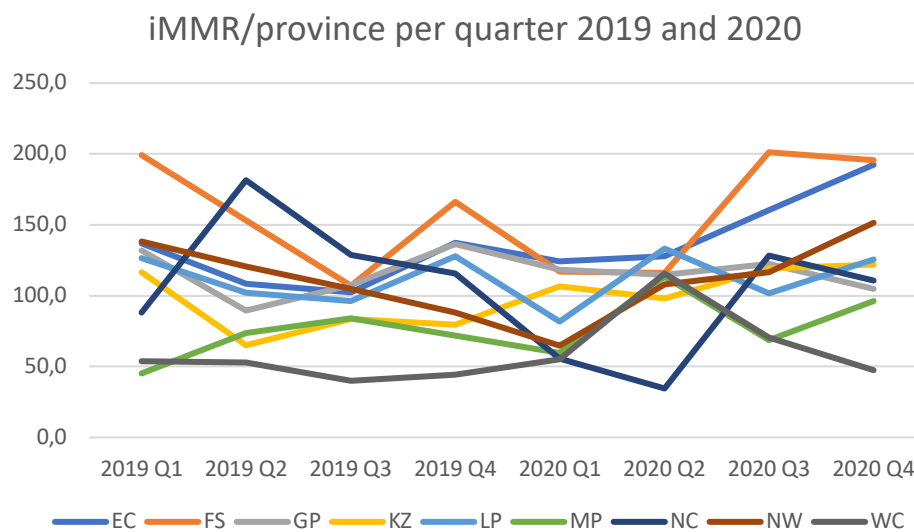
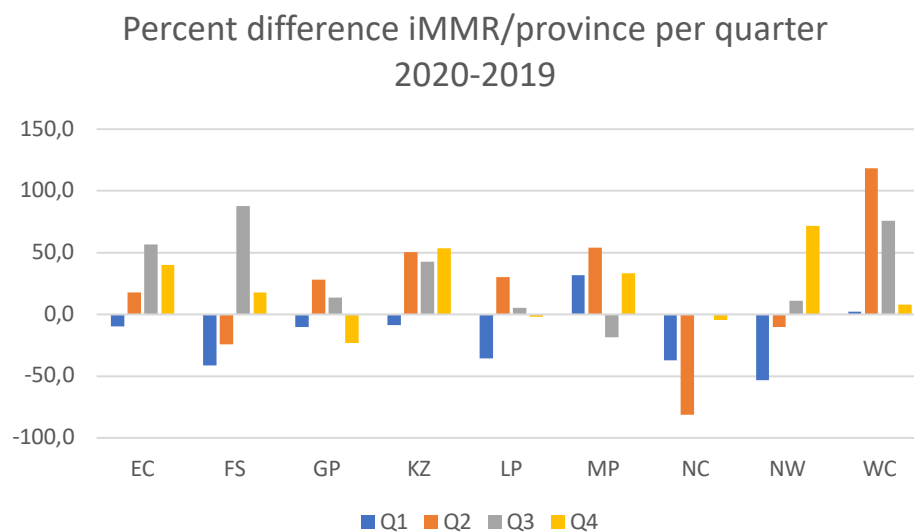


Figure 13. Percent differences in iMMR for 2020 compared to 2019 per quarter for each province



In most provinces there has been an increase in the iMMR since the onset of Covid-19, except in the Northern Cape. There was a large variation between provinces depending on the distribution between urban, semi-urban and rural and the populations, which will be shown in the Tables at the end of this Report

Table 9. Use of maternity and reproductive health services in provinces for 2019 and 2020 per quarter for each province

		2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	EC	21203	19095	20819	19182	22883	18484	20537	18425
	FS	8520	7697	8409	7303	8515	6915	7167	7053
	GP	20357	17315	19577	17181	19487	15732	14882	14828
	KZ	38333	33241	36794	32181	38723	34457	37846	35701
	LP	23452	21067	25394	22737	24666	23253	25694	23019
	MP	18027	16010	18816	17452	20446	19696	21167	20645
	NC	4345	3833	4265	4044	4314	3610	4160	3729
	NW	13161	11561	13447	11151	13170	10997	12559	10967
	WC	13977	12525	14208	13088	14239	10709	12961	11928
		2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit total	EC	33953	30726	32434	29551	35902	29860	32461	29156
	FS	13225	11437	12405	10853	13258	11499	11523	11614
	GP	32366	26905	29468	26350	30866	25110	25623	25826
	KZ	53690	45999	48672	43355	53880	47127	50496	47813
	LP	35249	30757	35564	33101	36614	34606	37406	34363
	MP	23925	21056	23977	22395	26601	26253	28613	27860
	NC	6875	5891	6215	6178	7048	6253	6648	6037
	NW	18816	16215	18529	15606	19102	16853	18184	16381
	WC	22328	20831	23479	22027	24355	18895	22591	20286
		2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
All contraceptives	EC	376490	379450	407184	397924	399056	343816	372927	359573
	FS	151836	154339	161328	155414	153924	158970	146341	153033
	GP	278231	285100	292864	276605	270155	233170	237015	253267
	KZ	448101	459644	476524	454867	483895	434577	452872	477105
	LP	408515	411135	418483	417114	413464	394833	433639	434477
	MP	249967	246249	235388	220508	175375	176245	177971	210798
	NC	64682	63967	66283	62281	63289	60703	61813	56813
	NW	173476	186363	198455	195655	205906	181697	189668	185281
	WC	172789	168547	179210	172777	174965	157651	173516	171754
		2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Termination of pregnancy - total	EC	3138	3210	3454	2871	3062	2098	2541	2550
	FS	2016	1646	2032	1965	2133	1622	1470	1727
	GP	5303	5028	5584	6065	6371	4868	5018	6514
	KZ	7390	7057	7604	6571	6209	4767	5497	6194
	LP	3462	3129	4078	3826	3927	3105	3900	3561
	MP	1393	1625	2069	2145	2288	670	541	614
	NC	440	406	467	302	322	262	378	388
	NW	2298	2309	2835	2328	2334	2150	2140	1867
	WC	4785	4477	4906	4771	5040	3639	4272	4262

Table 10. Difference in Use of maternity and reproductive health services in provinces for 2019 and 2020 per quarter for each province

First visit before 20 weeks										
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4	
EC	1680	-611	-282	-757	EC	7,9	-3,2	-1,4	-3,9	
FS	-5	-782	-1242	-250	FS	-0,1	-10,2	-14,8	-3,4	
GP	-870	-1583	-4695	-2353	GP	-4,3	-9,1	-24,0	-13,7	
KZ	390	1216	1052	3520	KZ	1,0	3,7	2,9	10,9	
LP	1214	2186	300	282	LP	5,2	10,4	1,2	1,2	
MP	2419	3686	2351	3193	MP	13,4	23,0	12,5	18,3	
NC	-31	-223	-105	-315	NC	-0,7	-5,8	-2,5	-7,8	
NW	9	-564	-888	-184	NW	0,1	-4,9	-6,6	-1,7	
WC	262	-1816	-1247	-1160	WC	1,9	-14,5	-8,8	-8,9	
First visit -all										
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4	
EC	1949	-866	27	-395	EC	5,7	-2,8	0,1	-1,3	
FS	33	62	-882	761	FS	0,2	0,5	-7,1	7,0	
GP	-1500	-1795	-3845	-524	GP	-4,6	-6,7	-13,0	-2,0	
KZ	190	1128	1824	4458	KZ	0,4	2,5	3,7	10,3	
LP	1365	3849	1842	1262	LP	3,9	12,5	5,2	3,8	
MP	2676	5197	4636	5465	MP	11,2	24,7	19,3	24,4	
NC	173	362	433	-141	NC	2,5	6,1	7,0	-2,3	
NW	286	638	-345	775	NW	1,5	3,9	-1,9	5,0	
WC	2027	-1936	-888	-1741	WC	9,1	-9,3	-3,8	-7,9	
Contraceptive use										
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4	
EC	22566	-35634	-34257	-38351	EC	6,0	-9,4	-8,4	-9,6	
FS	2088	4631	-14987	-2381	FS	1,4	3,0	-9,3	-1,5	
GP	-8076	-51930	-55849	-23338	GP	-2,9	-18,2	-19,1	-8,4	
KZ	35794	-25067	-23652	22238	KZ	8,0	-5,5	-5,0	4,9	
LP	4949	-16302	15156	17363	LP	1,2	-4,0	3,6	4,2	
MP	-74592	-70004	-57417	-9710	MP	-29,8	-28,4	-24,4	-4,4	
NC	-1393	-3264	-4470	-5468	NC	-2,2	-5,1	-6,7	-8,8	
NW	32430	-4666	-8787	-10374	NW	18,7	-2,5	-4,4	-5,3	
WC	2176	-10896	-5694	-1023	WC	1,3	-6,5	-3,2	-0,6	
Termination of pregnancy										
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4	
EC		-76	-1112	-913	-321	EC	-2,4	-34,6	-26,4	-11,2
FS		117	-24	-562	-238	FS	5,8	-1,5	-27,7	-12,1
GP		1068	-160	-566	449	GP	20,1	-3,2	-10,1	7,4
KZ		-1181	-2290	-2107	-377	KZ	-16,0	-32,5	-27,7	-5,7
LP		465	-24	-178	-265	LP	13,4	-0,8	-4,4	-6,9
MP		895	-955	-1528	-1531	MP	64,2	-58,8	-73,9	-71,4
NC		-118	-144	-89	86	NC	-26,8	-35,5	-19,1	28,5
NW		36	-159	-695	-461	NW	1,6	-6,9	-24,5	-19,8
WC		255	-838	-634	-509	WC	5,3	-18,7	-12,9	-10,7

Figure 14. Difference in number of antenatal first visits before 20 weeks in 2020 compared to 2019 per quarter for each province

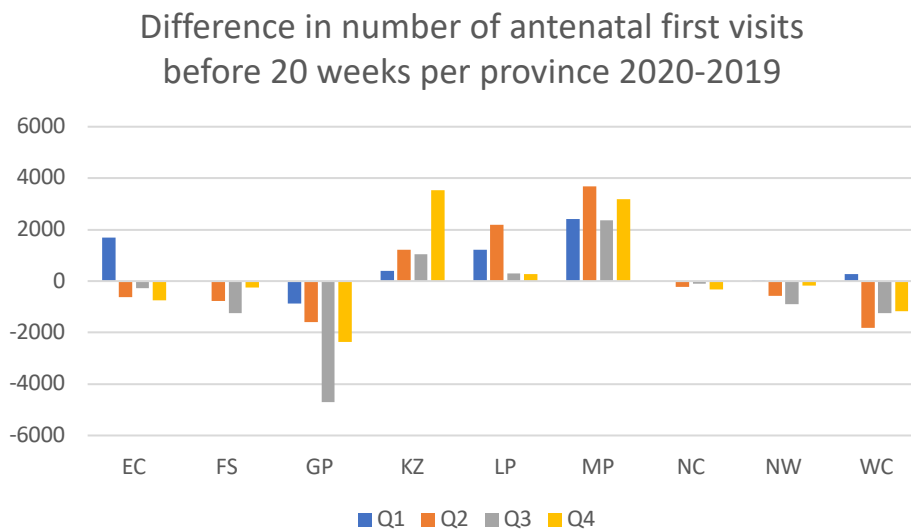


Figure 15. Percent Difference in number of antenatal first visits before 20 weeks in 2020 compared to 2019 per quarter for each province

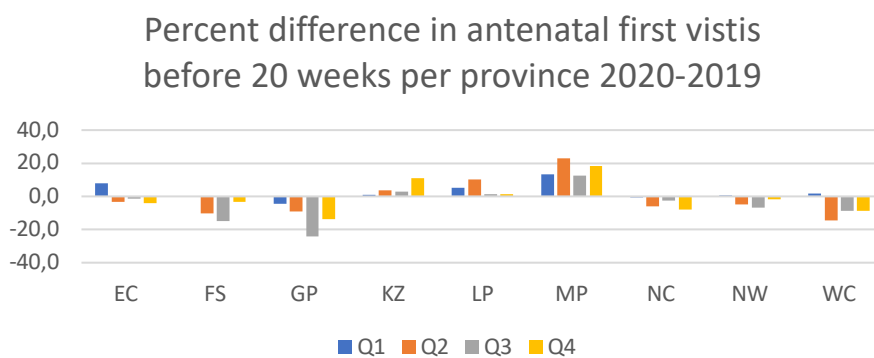


Figure 16. Difference in number of all antenatal visits in 2020 compared to 2019 per quarter for each province

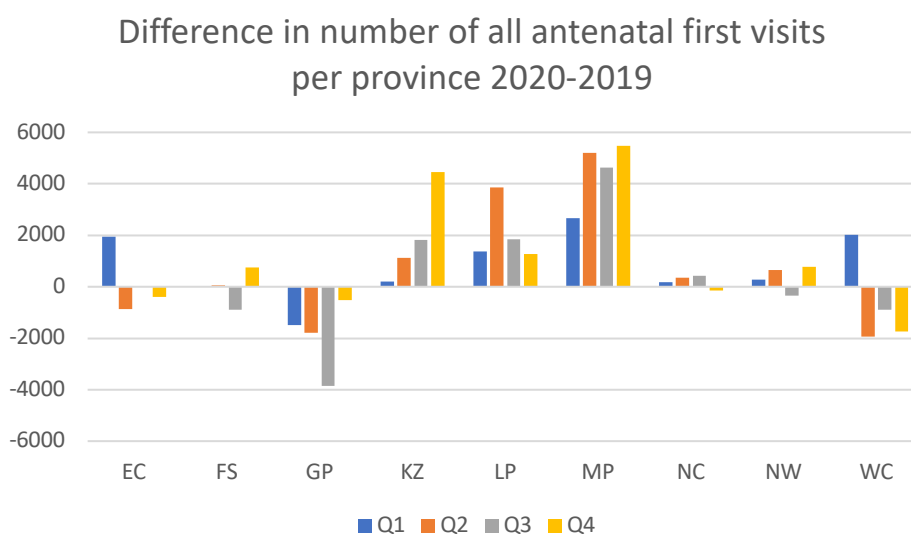


Figure 17. Percent Difference in number of all antenatal visits in 2020 compared to 2019 per quarter for each province

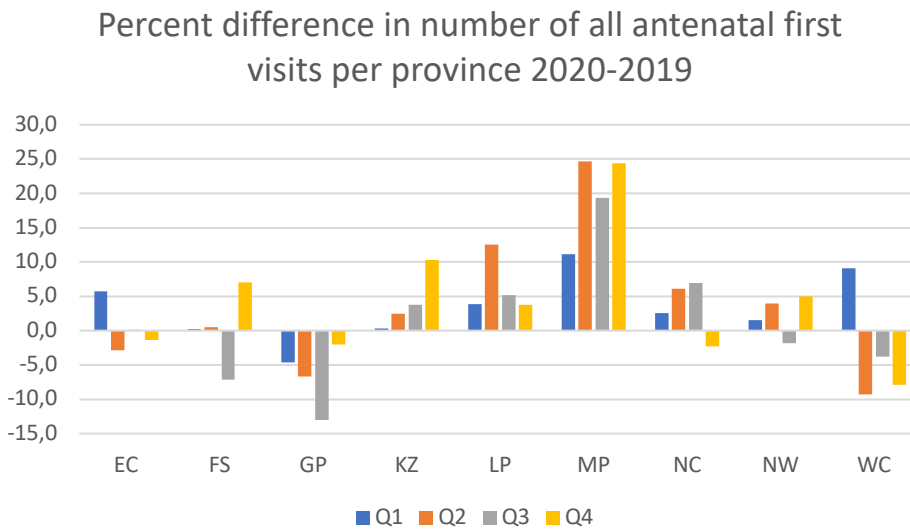


Figure 18. Difference in number of contraceptive prescriptions in 2020 compared to 2019 per quarter for each province

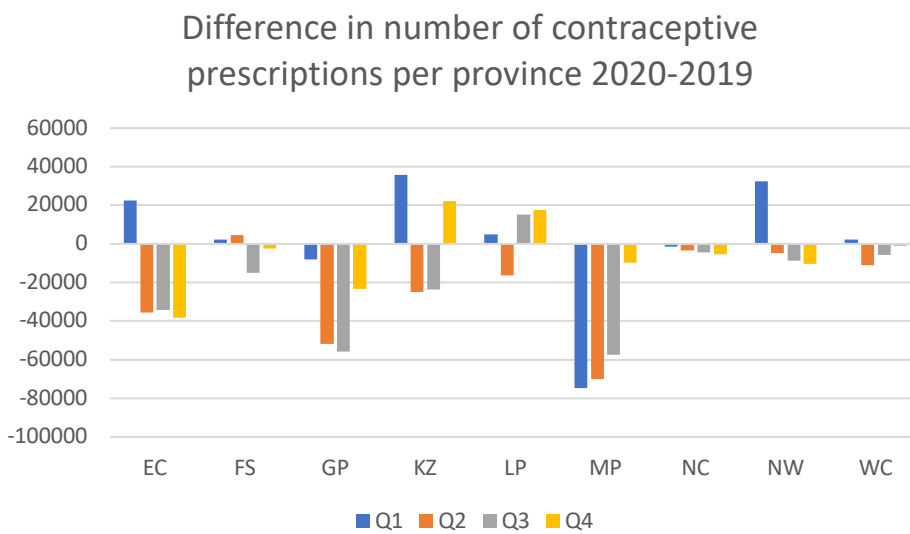


Figure 19. Percent Difference in number of contraceptive prescriptions in 2020 compared to 2019 per quarter for each province

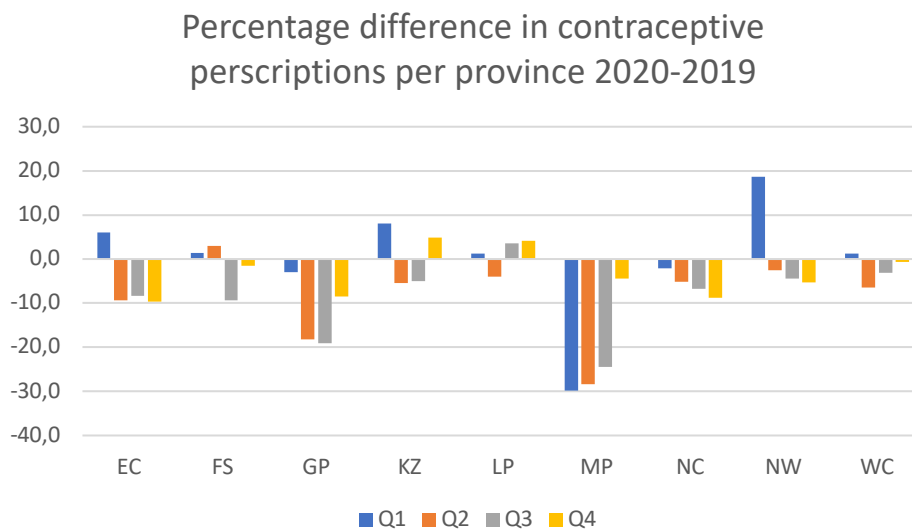


Figure 20. Difference in number of TOPs in 2020 compared to 2019 per quarter for each province

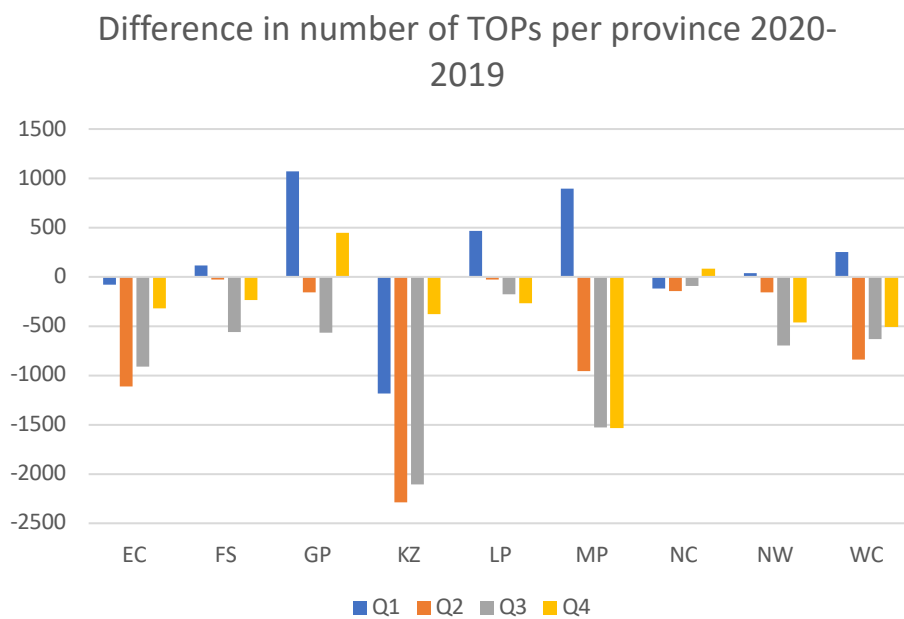
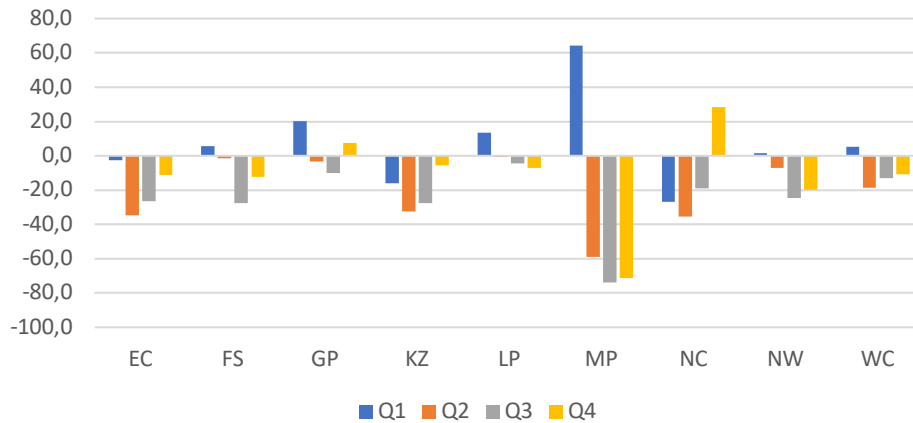


Figure 21. Percent Difference in number of TOPs in 2020 compared to 2019 per quarter for each province

Percentage difference in TOPs per province 2020-2019



The Use of antenatal care (as reflected by first antenatal visits) increased in the more rural provinces (Limpopo and Mpumalanga), and decreased in urban provinces (like Gauteng and Western Cape).

The reproductive health services across the board were used much less frequently in 2020 after lockdown and the emergence of the Covid-19 pandemic.

SUMMARY AND RECOMMENDATIONS

Summary

- Overall Facility births in SA increased in 2020 and the distribution changed with greater increases in rural provinces such as Limpopo and Mpumalanga. This may reflect population movements. The relative decline in Kwazulu facility births in Q2, 2020 may be due to more home births.
- Antenatal care visits showed declines in Q 2 and Q3 of 2020 but recovered thereafter in most provinces.
- TOPS and contraceptive prescriptions declined from Q 2 in 2020 and have not recovered to 2019 numbers
- **Increase of maternal deaths by 30,0% in 2020** compared with 2019
- Increase in maternal deaths due to Covid-19 infection, but also **likely due to indirect effects of Covid-19**
- There appears to be small increase in stillbirths but the perinatal data is inconclusive with DHIS data differing from PPIP data

NB: This data set only includes data up to December 31st 2020. It thus only included the beginning of the Second wave of Covid -19 which was more infectious, led to many hospitalisations and deaths. The impact of the Second wave on Maternal outcomes will only be fully seen after analysis of Q1 data for 2021, which will appear in the next report

Recommendations

- Ensure basic maternal and reproductive health services remain open and functioning during the pandemic and future health crises, in both urban and rural settings.
- Ongoing support to HCWs in maternity care to provide these services so they and their clients remain safe
- Ensure pregnant women know they should still attend for antenatal care
- Ensure women in the reproductive age know that they should still attend for contraception and TOP services.
- Support Community Health workers for engaging with women in communities about the above 2 points.
- Promote special Covid maternity wards
- Promote the vaccine for high-risk pregnant women and health care workers as per RCOG, ACOG and SASOG Guidelines

ADDITIONAL DATA

Metropolitan areas and large rural districts

Tables and Figures on Maternity and Reproductive health service utilisation (Antenatal care, Contraception, TOP and Live Births in facilities) and Outcomes (maternal deaths, iMMR) are now provided for Metropolitan areas and large Rural districts

Key

Metropolitan areas	
ec Buf	ec Buffalo City Metropolitan Municipality
ec NMB	ec Nelson Mandela Bay Municipality
fs Mang	fs Mangaung Metropolitan Municipality
gp JHB	gp City of Johannesburg Metropolitan Municipality
gp Tsh	gp City of Tshwane Metropolitan Municipality
gp Eku	gp Ekurhuleni Metropolitan Municipality
kz eThek	kz eThekweni Metropolitan Municipality
wc CT	wc City of Cape Town Metropolitan Municipality
Large and rural districts	
ec OT	ec Oliver Tambo District Municipality
fs TM	fs Thabo Mofutsanyana District Municipality
kz KC	kz King Cetshwayo District Municipality
kz uMg	kz uMgungundlovu District Municipality
kz Umk	kz Umkhanyakude District Municipality
lp Cap	lp Capricorn District Municipality
lp Wat	lp Waterberg District Municipality
mp Ehl	mp Ehlanzeni District Municipality
nc FB	nc Frances Baard District Municipality
nw BP	nw Bojanala Platinum District Municipality
nw KK	nw Dr Kenneth Kaunda District Municipality
wc GR	wc Garden Route District Municipality

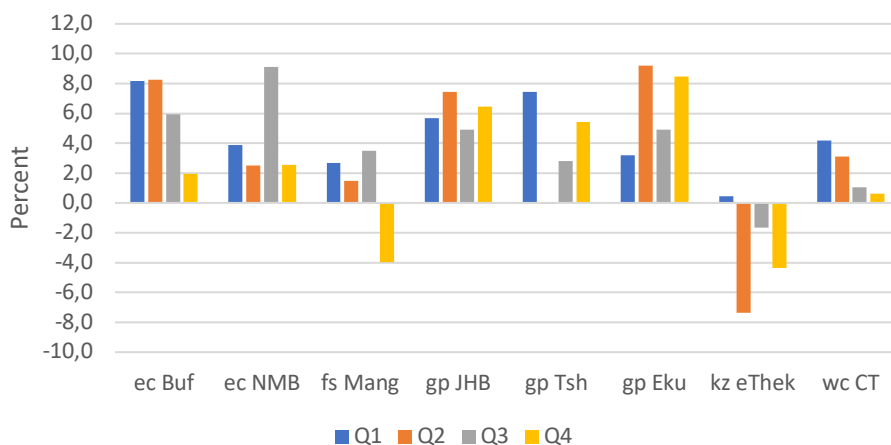
Live birth in facility

Metros	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
ec Buf	3 199	3 157	3 212	3 301	3 461	3 417	3 403	3 366
ec NMB	3 915	3 950	3 823	3 969	4 067	4 049	4 171	4 071
fs Mang	3 451	3 527	3 500	3 546	3 543	3 579	3 622	3 405
gp JHB	17 704	18 556	18 677	18 068	18 707	19 935	19 591	19 234
gp Tsh	13 536	14 586	14 193	13 805	14 544	14 574	14 589	14 555
gp Eku	13 546	13 753	14 116	13 677	13 977	15 016	14 810	14 834
kz eThek	14 948	16 281	15 638	14 457	15 013	15 082	15 377	13 827
wc CT	16 330	16 778	16 806	16 815	17 014	17 301	16 979	16 916
Large and rural	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
ec OT	7 582	7 709	7 994	7 179	7 765	7 525	7 686	7 260
fs TM	2 758	3 164	3 240	3 089	3 095	3 084	3 254	3 026
kz KC	4 969	5 347	5 364	4 719	5 361	5 285	5 212	4 725
kz uMg	4 332	4 713	4 574	4 422	4 570	4 546	4 340	4 304
kz Umk	4 016	4 380	4 482	3 593	4 193	4 149	4 287	3 827
lp Cap	7 207	7 045	7 244	6 761	7 686	7 694	7 730	7 295
lp Wat	3 852	3 919	3 977	3 537	4 258	4 034	4 106	3 841
mp Ehl	9 696	10 142	9 928	9 558	11 167	11 601	11 983	11 532
nc FB	2 117	2 137	2 060	2 001	1 970	2 253	1 973	2 023
nw BP	5 185	5 427	5 585	5 272	5 662	5 853	5 527	5 646
nw KK	2 987	3 071	3 170	3 070	3 192	3 167	3 186	3 038
wc GR	2 130	2 181	2 245	2 184	2 375	2 317	2 355	2 206

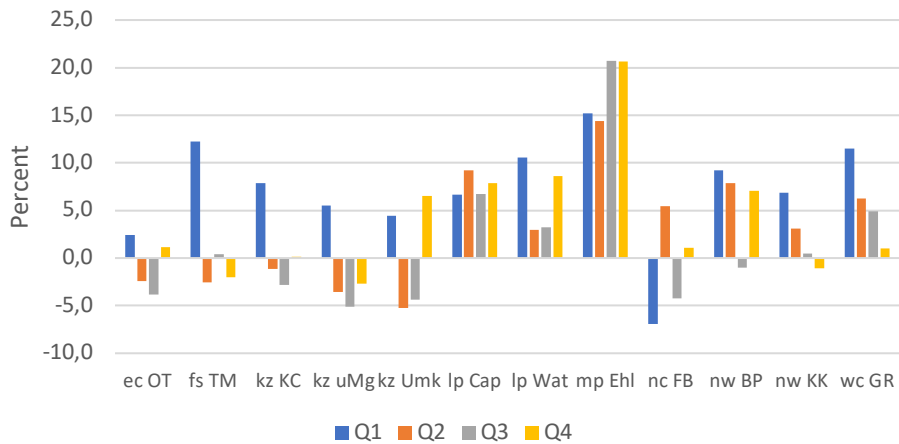
Difference	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
ec Buf	262	260	191	65	ec Buf	8,2	8,2	5,9	2,0
ec NMB	152	99	348	102	ec NMB	3,9	2,5	9,1	2,6
fs Mang	92	52	122	-141	fs Mang	2,7	1,5	3,5	-4,0
gp JHB	1 003	1 379	914	1 166	gp JHB	5,7	7,4	4,9	6,5
gp Tsh	1 008	-12	396	750	gp Tsh	7,4	-0,1	2,8	5,4
gp Eku	431	1 263	694	1 157	gp Eku	3,2	9,2	4,9	8,5
kz eThek	65	-1 199	-261	-630	kz eThek	0,4	-7,4	-1,7	-4,4
wc CT	684	523	173	101	wc CT	4,2	3,1	1,0	0,6

Difference	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
ec OT	183	-184	-308	81	ec OT	2,4	-2,4	-3,9	1,1
fs TM	337	-80	14	-63	fs TM	12,2	-2,5	0,4	-2,0
kz KC	392	-62	-152	6	kz KC	7,9	-1,2	-2,8	0,1
kz uMg	238	-167	-234	-118	kz uMg	5,5	-3,5	-5,1	-2,7
kz Umk	177	-231	-195	234	kz Umk	4,4	-5,3	-4,4	6,5
lp Cap	479	649	486	534	lp Cap	6,6	9,2	6,7	7,9
lp Wat	406	115	129	304	lp Wat	10,5	2,9	3,2	8,6
mp Ehl	1 471	1 459	2 055	1 974	mp Ehl	15,2	14,4	20,7	20,7
nc FB	-147	116	-87	22	nc FB	-6,9	5,4	-4,2	1,1
nw BP	477	426	-58	374	nw BP	9,2	7,8	-1,0	7,1
nw KK	205	96	16	-32	nw KK	6,9	3,1	0,5	-1,0
wc GR	245	136	110	22	wc GR	11,5	6,2	4,9	1,0

Percent difference in live births in facility:
Metros 2020-2019



Percent difference in live births in facility:
Large rural districts 2020-2019

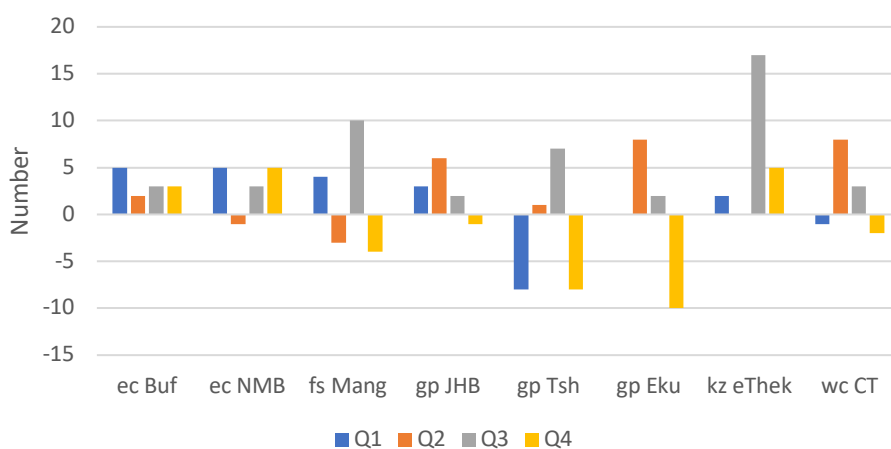


Maternal death in facility

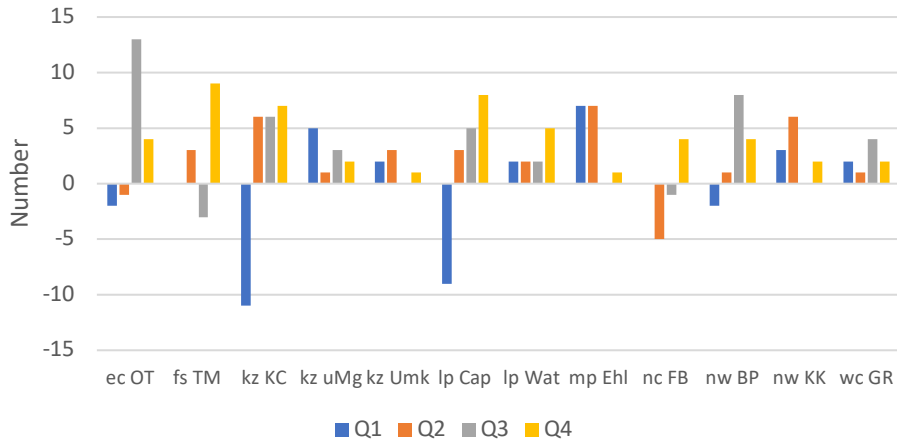
Metros	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
ec Buf	5	5	0	5	10	7	3	8
ec NMB	0	5	0	5	5	4	3	10
fs Mang	0	9	3	8	4	6	13	4
gp JHB	14	16	21	21	17	22	23	20
gp Tsh	20	13	10	17	12	14	17	9
gp Eku	25	12	20	24	25	20	22	14
kz eThek	17	13	0	16	19	13	17	21
wc CT	9	12	8	11	8	20	11	9
Large and rural	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
ec OT	16	13	14	15	14	12	27	19
fs TM	0	0	5	0	0	3	2	9
kz KC	14	0	0	0	3	6	6	7
kz uMg	8	6	8	8	13	7	11	10
kz Umk	0	0	0	0	2	3	0	1
lp Cap	16	15	19	17	7	18	24	25
lp Wat	0	0	0	0	2	2	2	5
mp Ehl	3	5	7	8	10	12	7	9
nc FB	0	6	5	0	0	1	4	4
nw BP	5	6	0	4	3	7	8	8
nw KK	0	0	5	4	3	6	5	6
wc GR	0	0	0	0	2	1	4	2

Difference	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
ec Buf	5	2	3	3	ec Buf	100,0	40,0		60,0
ec NMB	5	-1	3	5	ec NMB		-20,0		100,0
fs Mang	4	-3	10	-4	fs Mang		-33,3	333,3	-50,0
gp JHB	3	6	2	-1	gp JHB	21,4	37,5	9,5	-4,8
gp Tsh	-8	1	7	-8	gp Tsh	-40,0	7,7	70,0	-47,1
gp Eku	0	8	2	-10	gp Eku	0,0	66,7	10,0	-41,7
kz eThek	2	0	17	5	kz eThek	11,8	0,0		31,3
wc CT	-1	8	3	-2	wc CT	-11,1	66,7	37,5	-18,2
Difference	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
ec OT	-2	-1	13	4	ec OT	-12,5	-7,7	92,9	26,7
fs TM	0	3	-3	9	fs TM			-60,0	
kz KC	-11	6	6	7	kz KC	-78,6			
kz uMg	5	1	3	2	kz uMg	62,5	16,7	37,5	25,0
kz Umk	2	3	0	1	kz Umk				
lp Cap	-9	3	5	8	lp Cap	-56,3	20,0	26,3	47,1
lp Wat	2	2	2	5	lp Wat				
mp Ehl	7	7	0	1	mp Ehl	233,3	140,0	0,0	12,5
nc FB	0	-5	-1	4	nc FB		-83,3	-20,0	
nw BP	-2	1	8	4	nw BP	-40,0	16,7		100,0
nw KK	3	6	0	2	nw KK			0,0	50,0
wc GR	2	1	4	2	wc GR				

Difference in number of maternal deaths:
Metros 2020-2019



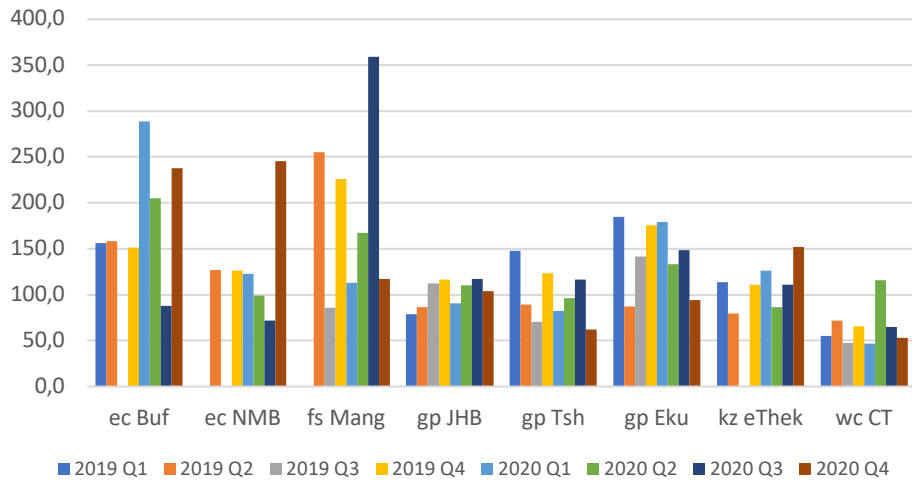
Difference in number of maternal deaths:
Large rural districts 2020-2019



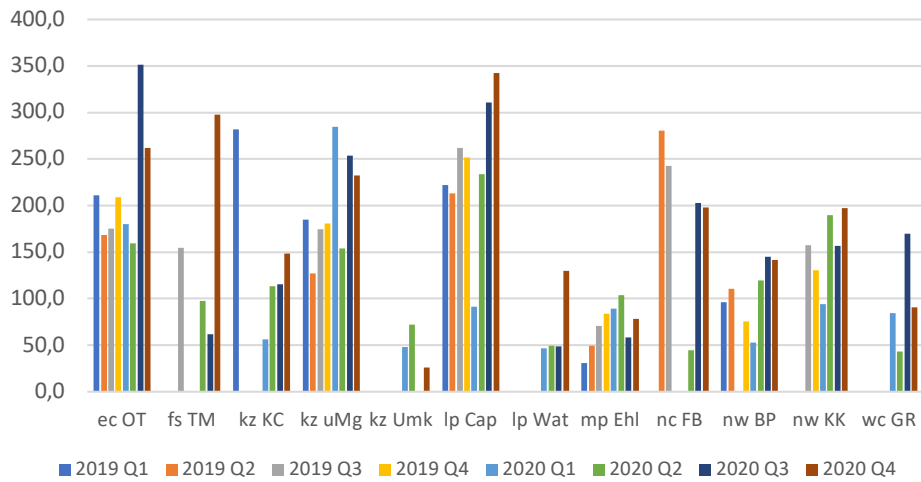
iMMR

Metros	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
ec Buf	156,3	158,4	0,0	151,5	288,9	204,9	88,2	237,7
ec NMB	0,0	126,6	0,0	126,0	122,9	98,8	71,9	245,6
fs Mang	0,0	255,2	85,7	225,6	112,9	167,6	358,9	117,5
gp JHB	79,1	86,2	112,4	116,2	90,9	110,4	117,4	104,0
gp Tsh	147,8	89,1	70,5	123,1	82,5	96,1	116,5	61,8
gp Eku	184,6	87,3	141,7	175,5	178,9	133,2	148,5	94,4
kz eThek	113,7	79,8	0,0	110,7	126,6	86,2	110,6	151,9
wc CT	55,1	71,5	47,6	65,4	47,0	115,6	64,8	53,2
Rural Dist.	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
ec OT	211,0	168,6	175,1	208,9	180,3	159,5	351,3	261,7
fs TM	0,0	0,0	154,3	0,0	0,0	97,3	61,5	297,4
kz KC	281,7	0,0	0,0	0,0	56,0	113,5	115,1	148,1
kz uMg	184,7	127,3	174,9	180,9	284,5	154,0	253,5	232,3
kz Umk	0,0	0,0	0,0	0,0	47,7	72,3	0,0	26,1
lp Cap	222,0	212,9	262,3	251,4	91,1	233,9	310,5	342,7
lp Wat	0,0	0,0	0,0	0,0	47,0	49,6	48,7	130,2
mp Ehl	30,9	49,3	70,5	83,7	89,5	103,4	58,4	78,0
nc FB	0,0	280,8	242,7	0,0	0,0	44,4	202,7	197,7
nw BP	96,4	110,6	0,0	75,9	53,0	119,6	144,7	141,7
nw KK	0,0	0,0	157,7	130,3	94,0	189,5	156,9	197,5
wc GR	0,0	0,0	0,0	0,0	84,2	43,2	169,9	90,7

iMMR per quarter for Metros 2019 and 2020



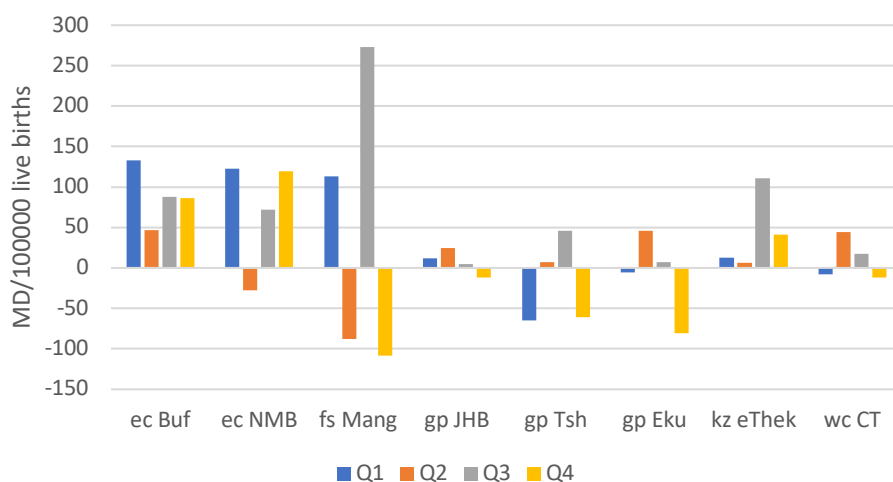
iMMR per quarter for large rural districts 2019 and 2020

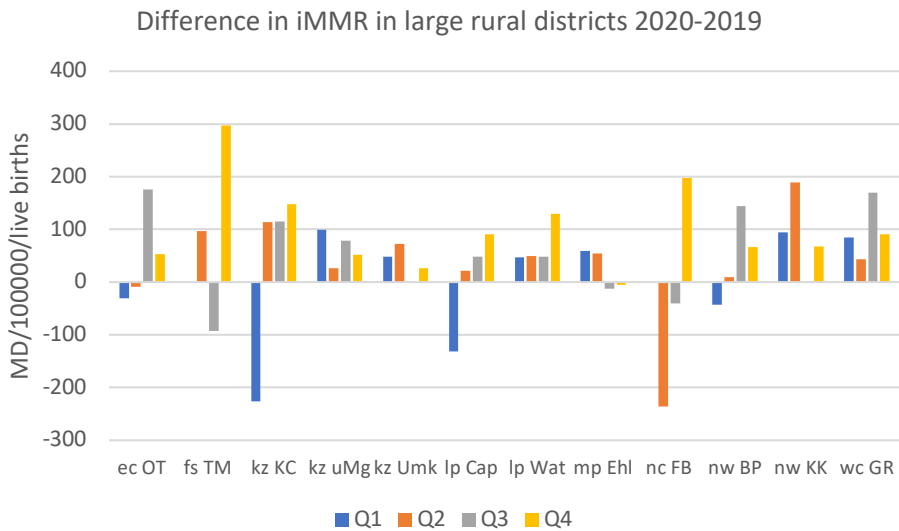


Difference	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
ec Buf	133	46	88	86	ec Buf	84,9	29,3	0,0	56,9
ec NMB	123	-28	72	120	ec NMB	0,0	-22,0	0,0	95,0
fs Mang	113	-88	273	-108	fs Mang	0,0	-34,3	318,7	-47,9
gp JHB	12	24	5	-12	gp JHB	14,9	28,0	4,4	-10,5
gp Tsh	-65	7	46	-61	gp Tsh	-44,2	7,8	65,4	-49,8
gp Eku	-6	46	7	-81	gp Eku	-3,1	52,6	4,8	-46,2
kz eThek	13	6	111	41	kz eThek	11,3	7,9	0,0	37,2
wc CT	-8	44	17	-12	wc CT	-14,7	61,6	36,1	-18,7

Difference	Q1	Q2	Q3	Q4	Difference %	Q1	Q2	Q3	Q4
ec OT	-31	-9	176	53	ec OT	-14,6	-5,4	100,6	25,3
fs TM	0	97	-93	297	fs TM			-60,2	
kz KC	-226	114	115	148	kz KC	-80,1			
kz uMg	100	27	79	51	kz uMg	54,0		44,9	28,4
kz Umk	48	72	0	26	kz Umk				
lp Cap	-131	21	48	91	lp Cap	-59,0	9,9	18,4	36,3
lp Wat	47	50	49	130	lp Wat				
mp Ehl	59	54	-12	-6	mp Ehl	189,4	109,8	-17,1	-6,8
nc FB	0	-236	-40	198	nc FB	0,0	-84,2	-16,5	0,0
nw BP	-43	9	145	66	nw BP	-45,1	8,2		86,8
nw KK	94	189	-1	67	nw KK			-0,5	51,6
wc GR	84	43	170	91	wc GR				

Difference in iMMR in Metros 2020-2019

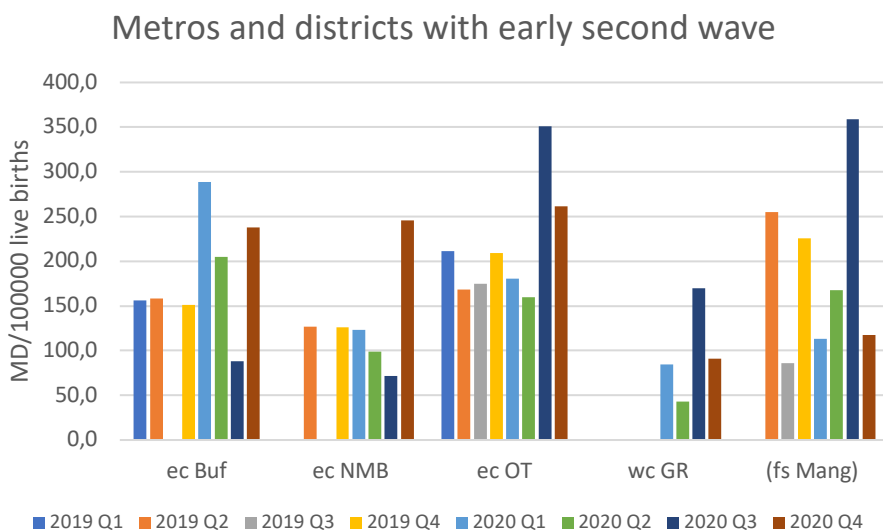




Metros and large districts reported as having the second wave of Covid-19 first

iMMR

Metros & Rural Dist.	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
ec Buf	156,3	158,4	0,0	151,5	288,9	204,9	88,2	237,7
ec NMB	0,0	126,6	0,0	126,0	122,9	98,8	71,9	245,6
ec OT	211,0	168,6	175,1	208,9	180,3	159,5	351,3	261,7
wc GR	0,0	0,0	0,0	0,0	84,2	43,2	169,9	90,7
(fs Mang)	0,0	255,2	85,7	225,6	112,9	167,6	358,9	117,5



Note: (Fs Mang) is in brackets as it was not recognized as a site for the early second wave.

Use of maternal and reproductive health services in two metropolitan and two rural areas as case studies.

A detailed analysis was performed on the use of maternal and reproductive health services for the City of Cape Town and eThekweni (as urban areas) and Ehlanzeni and King Cetshwayo districts as rural areas.

Below is the data for the four areas

City of Cape Town

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	8164	7921	8899	8070	8868	6092	7682	7155
Antenatal 1st visit total	12276	11397	12702	11448	13041	9432	11756	10606
Live birth in facility	16330	16778	16806	16815	17014	17301	16979	16916
Total births	16678	17090	17087	17111	17324	17631	17287	17238
Death in facility 0-6 days	132	115	89	119	125	130	107	99
Death in facility 7-28 days	33	40	33	32	30	33	38	38
Still birth in facility	348	312	281	296	310	330	308	322
Maternal death in facility	9	12	8	11	8	20	11	9
IUCD inserted	1470	1274	1105	1123	892	669	740	962
Medroxyprogesterone injection	36981	36352	41256	37583	35614	32053	33107	34715
Norethisterone enanthate injection	5388	6592	10279	9830	12495	7919	14287	11502
Oral pill cycle	12807	11815	10804	9984	10784	8935	8522	10158
Sub-dermal implant inserted	4017	4144	3162	3647	4283	3517	4247	5191
Total contraception	60663	60177	66606	62167	64068	53093	60903	62528
Termination of pregnancy - total	3803	3568	3901	3657	3983	2762	3303	3300
Termination of pregnancy 0-12 weeks	2740	2662	2865	2655	2776	1989	2470	2483
Termination of pregnancy 10-19 years	522	409	486	488	414	303	418	426
Termination of pregnancy 13-20 weeks	1063	906	1036	1002	1207	773	833	817
Termination of pregnancy 20 years and older	3180	3159	3415	3169	3540	2459	2881	2874

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
1st visit <20	704	-1829	-1217	-915	1st visit <20	8,6	-23,1	-13,7	-11,3
1st Visit <20	765	-1965	-946	-842	1st Visit <20	6,2	-17,2	-7,4	-7,4
LB	684	523	173	101	LB	4,2	3,1	1,0	0,6
TB	646	541	200	127	TB	3,9	3,2	1,2	0,7
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
ENND	-7	15	18	-20	ENND	-5,3	13,0	20,2	-16,8
LNND	-3	-7	5	6	LNND	-9,1	-17,5	15,2	18,8
SB	-38	18	27	26	SB	-10,9	5,8	9,6	8,8
MD	-1	8	3	-2	MD	-11,1	66,7	37,5	-18,2
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
IUCD	-578	-605	-365	-161	IUCD	-39,3	-47,5	-33,0	-14,3
Depo	-1367	-4299	-8149	-2868	Depo	-3,7	-11,8	-19,8	-7,6
Nore	7107	1327	4008	1672	Nore	131,9	20,1	39,0	17,0
COC	-2023	-2880	-2282	174	COC	-15,8	-24,4	-21,1	1,7
Impl.	266	-627	1085	1544	Impl.	6,6	-15,1	34,3	42,3
Total Contr	3405	-7084	-5703	361	Total Contr	5,6	-11,8	-8,6	0,6
Tot TOP	180	-806	-598	-357	Total TOP	4,7	-22,6	-15,3	-9,8

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	20,9	18,3	16,4	17,3	17,9	18,7	17,8	18,7
ENNDR	8,1	6,9	5,3	7,1	7,3	7,5	6,3	5,9
iMMR	55,1	71,5	47,6	65,4	47,0	115,6	64,8	53,2

Difference	Q1	Q2	Q3	Q4	% difference	Q1	Q2	Q3	Q4
SBR	-3,0	0,5	1,4	1,4	SBR	-14,2	2,5	8,3	8,0
ENNDR	-0,7	0,7	1,0	-1,2	ENNDR	-9,1	9,6	19,0	-17,3
iMMR	-8,1	44,1	17,2	-12,2	iMMR	-14,7	61,6	36,1	-18,7

eThekwini

eThekwini	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	7 298	6 486	7 134	7 159	6 873	6 252	6 378	6 612
Antenatal 1st visit total	11 394	9 696	10 048	10 141	9 746	9 051	9 606	10 073

Live birth in facility	14 948	16 281	15 638	15 231	14 671	14 457	14 500	14 547
TB	15 333	16 643	15 979	15 589	15 041	14 834	14 869	14 966

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Still birth in facility	385	362	341	358	370	377	369	419
Death in facility 0-6 days	193	171	145	149	146	152	151	153
Maternal death in facility	17	13	16	14	12	16	15	15
Death in facility 7-28 days	41	36	44	33	38	36	37	32

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
IUCD inserted	1 320	1 238	1 976	2 232	2 234	2 016	2 172	2 167
Medroxyprogesterone injection	74 398	73 656	78 697	75 833	66 320	55 404	52 487	60 403
Norethisterone enanthate injection	7 211	11 449	14 483	18 039	24 508	30 361	30 168	23 366
Oral pill cycle	26 551	26 891	23 888	23 603	23 562	23 537	24 078	24 594
Sub-dermal implant inserted	2 095	1 317	1 358	1 453	1 493	1 289	1 211	1 052
Total Contraceptives	111 575	114 551	120 402	121 160	118 117	112 607	110 116	111 582
Termination of pregnancy - total	2 943	2 917	2 848	2 740	2 544	2 131	1 768	1 684
Termination of pregnancy 0-12 weeks	2 519	2 599	2 673	2 578	2 416	2 013	1 690	1 623
Termination of pregnancy 10-19 years	229	246	191	191	173	126	107	116
Termination of pregnancy 13-20 weeks	424	318	175	162	128	118	78	61
Termination of pregnancy 20 years and older	2 476	2 706	2 618	2 538	2 352	1 966	1 659	1 570

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
1st visit <20	-425	-234	-756	-547	1st visit <20	-5,8	-3,6	-10,6	-7,6
1st Visit <20	-1 648	-645	-442	-68	1st Visit Tot	-14,5	-6,7	-4,4	-0,7

LB	-277	-1 824	-1 138	-684	LB	-1,9	-11,2	-7,3	-4,5
TB	-292	-1 809	-1 110	-623	TB	-1,9	-10,9	-6,9	-4,0

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SB	-15	15	28	61	SB	-3,9	4,1	8,2	17,0
ENND	-47	-19	6	4	ENND	-24,4	-11,1	4,1	2,7
MD	-5	3	-1	1	MD	-29,4	23,1	-6,3	7,1
LNND	-3	0	-7	-1	LNND	-7,3	0,0	-15,9	-3,0

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
IUCD	914	778	196	-65	IUCD	69,2	62,8	9,9	-2,9
Depo	-8 078	-18 252	-210	430	Depo	-10,9	-24,8	-33,3	-20,3
Nore	17 297	18 912	15 685	5 327	Nore	239,9	165,2	108,3	29,5
COC	-2 989	-3 354	190	991	COC	-11,3	-12,5	0,8	4,2
Impl.	-602	-28	-147	-401	Impl.	-28,7	-2,1	-10,8	-27,6
Total Contraceptive	6 542	-1 944	-10 286	-9 578	Total Contraceptive	5,9	-1,7	-8,5	-7,9
Total TOP	-399	-786	-1 080	-1 056	Total TOP	-13,6	-26,9	-37,9	-38,5

eThekwini	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	25,1	21,8	21,3	23,0	24,6	25,4	24,8	28,0
ENNDR	12,9	10,5	9,3	9,8	10,0	10,5	10,4	10,5
iMMR	113,7	79,8	102,3	91,9	81,8	110,7	103,4	103,1

eThekwini	Q1	Q2	Q3	Q4	eThekwini	Q1	Q2	Q3	Q4
SBR	-0,5	3,7	3,5	5,0	SBR	-2,0	16,8	16,3	21,9
ENNDR	-3,0	0,0	1,1	0,7	ENNDR	-22,9	0,1	12,3	7,5
iMMR	-31,9	30,8	1,1	11,2	iMMR	-28,1	38,6	1,1	12,2

Ehlanzeni

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	8 950	7 860	9 547	8 811	10 288	10 483	11 477	10 898
Antenatal 1st visit total	10 943	9 582	11 247	10 500	12 502	12 805	14 036	13 720
Live birth in facility	9 696	10 142	9 928	9 558	11 167	11 601	11 983	11 532
TB	9 909	10 324	10 145	9 748	11 382	11 634	12 025	11 570
Still birth in facility	213	182	217	190	215	33	42	38
Death in facility 0-6 days	113	96	86	115	103	106	78	105
Maternal death in facility	3	5	7	8	10	12	7	9
Death in facility 7-28 days	10	21	14	11	14	16	19	14
IUCD inserted	36	167	168	132	266	481	389	450
Medroxyprogesterone injection	45 078	40 921	17 916	15 034	25 194	28 182	18 059	29 210
Norethisterone enanthate injection	29 520	43 903	50 240	46 045	6 623	31 783	28 145	44 338
Oral pill cycle	41 876	30 638	42 070	44 060	44 774	26 220	35 330	23 311
Sub-dermal implant inserted	175	173	242	68	181	174	744	1 379
Total contraceptives	116 685	115 802	110 636	105 339	77 038	86 840	82 667	98 688
Termination of pregnancy - total	708	861	990	1 105	1 192	591	506	558
Termination of pregnancy 0-12 weeks	676	823	980	1 094	1 185	588	501	554
Termination of pregnancy 10-19 years	134	162	173	153	169	69	99	81
Termination of pregnancy 13-20 weeks	32	38	10	11	7	3	5	4
Termination of pregnancy 20 years and older	578	651	845	955	1 052	511	392	470

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
1st visit <20	1 338	2 623	1 930	2 087	1st visit <20	14,9	33,4	20,2	23,7
1st Visit <20	1 559	3 223	2 789	3 220	1st Visit <20	14,2	33,6	24,8	30,7
LB	1 471	1 459	2 055	1 974	LB	15,2	14,4	20,7	20,7
TB	1 473	1 310	1 880	1 822	TB	14,9	12,7	18,5	18,7
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SB	2	-149	-175	-152	SB	0,9	-81,9	-80,6	-80,0
ENND	-10	10	-8	-10	ENND	-8,8	10,4	-9,3	-8,7
MD	7	7	0	1	MD	233,3	140,0	0,0	12,5
LNND	4	-5	5	3	LNND	40,0	-23,8	35,7	27,3
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
IUCD	230	314	221	318	IUCD	638,9	188,0	131,5	240,9
Depo	-19 884	-12 739	143	14 176	Depo	-44,1	-31,1	0,8	94,3
Nore	-22 897	-12 120	-22 095	-1 707	Nore	-77,6	-27,6	-44,0	-3,7
COC	2 898	-4 418	-6 740	-20 749	COC	6,9	-14,4	-16,0	-47,1
Impl.	6	1	502	1 311	Impl.	3,4	0,6	207,4	1927,9
Total Contr	-39 647	-28 962	-27 969	-6 651	Total Contr	-34,0	-25,0	-25,3	-6,3
Total TOP	484	-270	-484	-547	Total TOP	68,4	-31,4	-48,9	-49,5

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	21,5	17,6	21,4	19,5	18,9	2,8	3,5	3,3
ENNDR	11,7	9,5	8,7	12,0	9,2	9,1	6,5	9,1
iMMR	30,9	49,3	70,5	83,7	89,5	103,4	58,4	78,0

Difference	Q1	Q2	Q3	Q4	Difference	Q1	Q2	Q3	Q4
SBR	-2,6	-14,8	-17,9	-16,2	SBR	-12,1	-83,9	-83,7	-83,1
ENNDR	-2,4	-0,3	-2,2	-2,9	ENNDR	-20,9	-3,5	-24,9	-24,3
iMMR	58,6	54,1	-12,1	-5,7	iMMR	189,4	109,8	-17,1	-6,8

The stillbirths reported for Ehlanzeni are too low to be believable, give the previous numbers in the preceding quarters. Further data from PPIP gives a different story, much more in line with the previous data. The PPIP data is given below. Unfortunately the Q4 has not yet been collated.

DHIS stillbirth data Q2, 3 and 4 was 33, 42, 38 compared with the PPIP data of 221, 213, 180

Ehlanzeni PPIP data

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Live birth in facility	9663	10102	6639	9501	11123	11547	7570	
TB	9872	10287	6777	19695	11344	11760	7808	
Still birth in facility	206	185	138	194	221	213	180	
Death in facility 0-6 days	110	116	61	112	113	119	50	
Maternal death in facility	5	6	8	12	6	11	7	

	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	20,9	18,0	20,4	9,9	19,5	18,1	23,1	
ENNDR	11,4	11,5	9,2	11,8	10,2	10,3	6,6	
iMMR	51,7	59,4	120,5	126,3	53,9	95,3	92,5	

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SB	15	28	42		SB	7,3	15,1	30,4	
ENND	3	3	-11		ENND	2,7	2,6	-18,0	
MD	1	5	-1		SMD	20,0	83,3	-12,5	

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SBR	-1,4	0,1	2,7	-9,9	SBR	-6,6	0,7	13,2	
ENNDR	-1,2	-1,2	-2,6	-11,8	ENNDR	-10,8	-10,3	-28,1	
iMMR	2,2	35,9	-28,0	-126,3	iMMR	4,2	60,4	-23,3	

King Cetshwayo

King Cetshwayo	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	4 221	3 884	4 166	4 105	3 988	3 636	3 776	3 929
Antenatal 1st visit total	5 958	5 385	5 597	5 486	5 362	4 974	5 461	5 801
Live birth in facility	4 969	5 347	5 364	5 114	4 883	4 719	4 973	5 146
TB	5 096	5 486	5 503	5 225	4 998	4 836	5 109	5 289
	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Still birth in facility	127	139	139	111	115	117	136	143
Death in facility 0-6 days	66	44	41	41	43	38	43	45
Maternal death in facility	14	5	3	6	4	4	2	3
Death in facility 7-28 days	17	14	11	12	11	11	7	13
	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
IUCD inserted	610	517	764	805	719	621	522	504
Medroxyprogesterone injection	32 983	33 089	33 237	32 198	30 299	26 754	25 654	27 372
Norethisterone enanthate injection	1 669	2 930	4 025	4 889	6 564	9 292	11 241	10 145
Oral pill cycle	9 983	9 528	7 121	7 347	8 397	9 239	10 149	9 950
Sub-dermal implant inserted	2 059	1 697	1 404	1 392	1 404	1 268	1 374	1 514
Total contraceptives	47 304	47 761	46 551	46 631	47 383	47 174	48 940	49 485
Termination of pregnancy - total	824	656	766	837	847	847	805	799
Termination of pregnancy 0-12 weeks	773	628	716	754	766	770	748	726
Termination of pregnancy 10-19 years	85	80	105	108	123	114	102	91
Termination of pregnancy 13-20 weeks	51	28	50	83	81	77	57	73
Termination of pregnancy 20 years and older	712	577	683	746	740	748	702	708

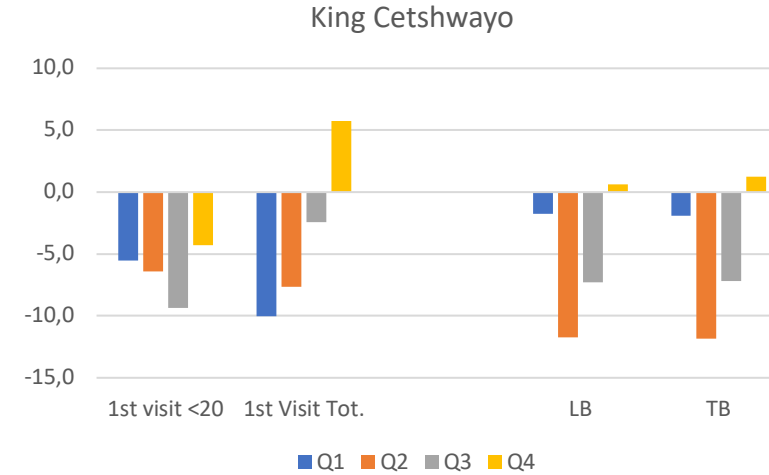
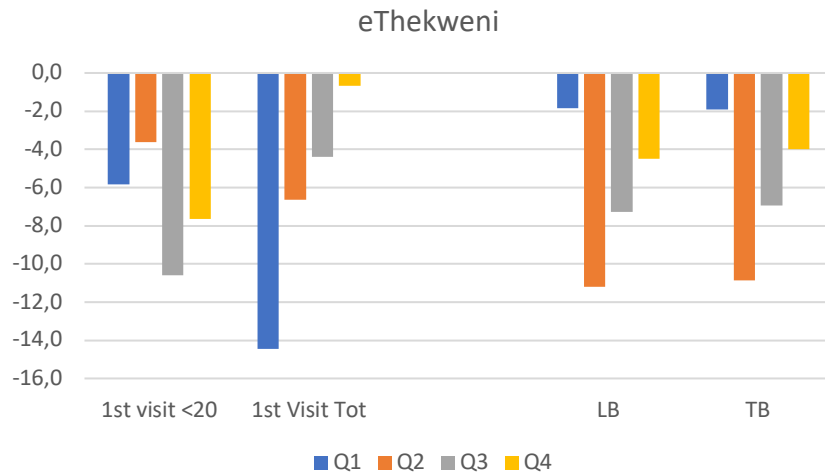
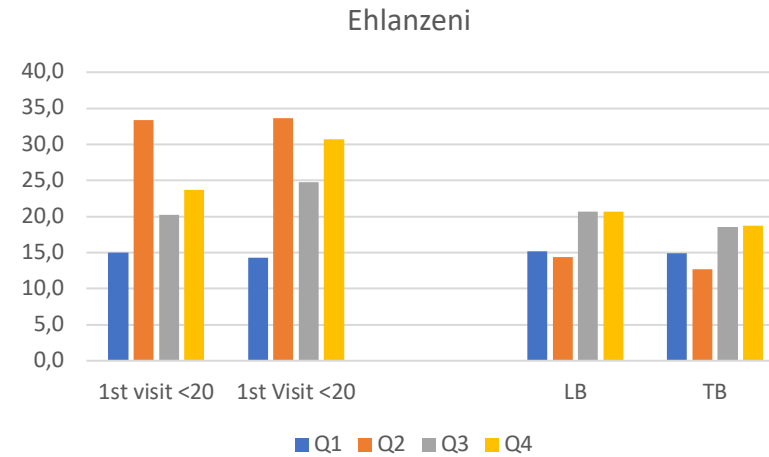
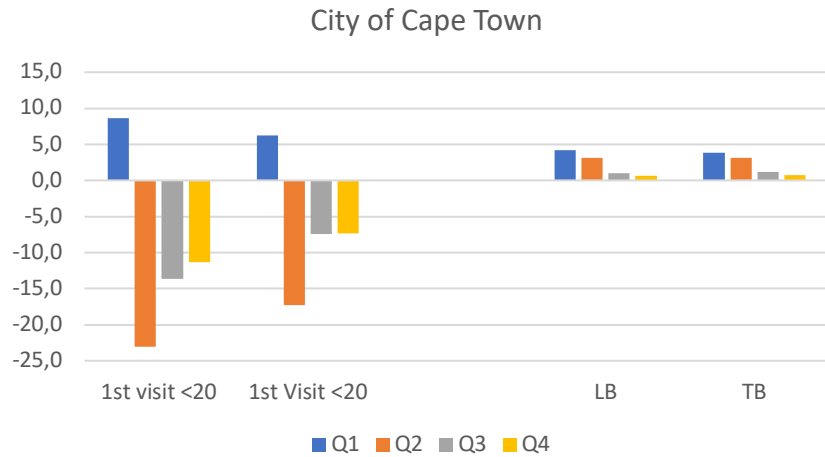
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
1st visit <20	-233	-248	-390	-176	1st visit <20	-5,5	-6,4	-9,4	-4,3
1st Visit <20	-596	-411	-136	315	1st Visit Tot.	-10,0	-7,6	-2,4	5,7
LB	-86	-628	-391	32	LB	-1,7	-11,7	-7,3	0,6
TB	-98	-650	-394	64	TB	-1,9	-11,8	-7,2	1,2
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SB	-12	-22	-3	32	SB	-9,4	-15,8	-2,2	28,8
ENND	-23	-6	2	4	ENND	-34,8	-13,6	4,9	9,8
MD	-10	-1	-1	-3	MD	-71,4	-20,0	-33,3	-50,0
LNND	-6	-3	-4	1	LNND	-35,3	-21,4	-36,4	8,3
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
IUCD	109	104	-242	-301	IUCD	17,9	20,1	-31,7	-37,4
Depo	-2 684	-6 335	-7 583	-4 826	Depo	-8,1	-19,1	-22,8	-15,0
Nore	4 895	6 362	7 216	5 256	Nore	293,3	217,1	179,3	107,5
COC	-1 586	-289	3 028	2 603	COC	-15,9	-3,0	42,5	35,4
Impl.	-655	-429	-30	122	Impl.	-31,8	-25,3	-2,1	8,8
Total Contr	79	-587	2 389	2 854	Total Contr	0,2	-1,2	5,1	6,1
Total TOP	23	191	39	-38	Total TOP	2,8	29,1	5,1	-4,5

King Cetshwayo	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	24,9	25,3	25,3	21,2	23,0	24,2	26,6	27,0
ENNDR	13,3	8,2	7,6	8,0	8,8	8,1	8,6	8,7
iMMR	281,7	93,5	55,9	117,3	81,9	84,8	40,2	58,3

King Cetshwayo	Q1	Q2	Q3	Q4	King Cetshwayo	Q1	Q2	Q3	Q4
SBR	-1,9	-1,1	1,4	5,8	SBR	-7,7	-4,5	5,4	27,3
ENNDR	-4,5	-0,2	1,0	0,7	ENNDR	-33,7	-2,1	13,1	9,1
iMMR	-199,8	-8,7	-15,7	-59,0	iMMR	-70,9	-9,4	-28,1	-50,3

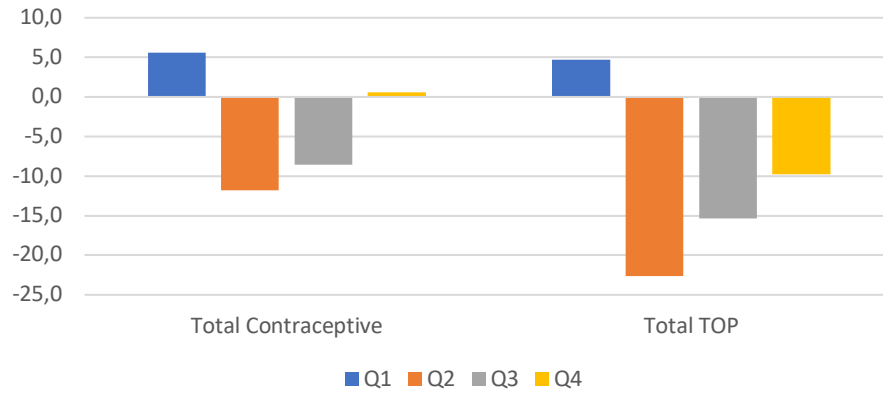
Comparison of percent difference between sites: 2020-2019

Antenatal care first visits and births

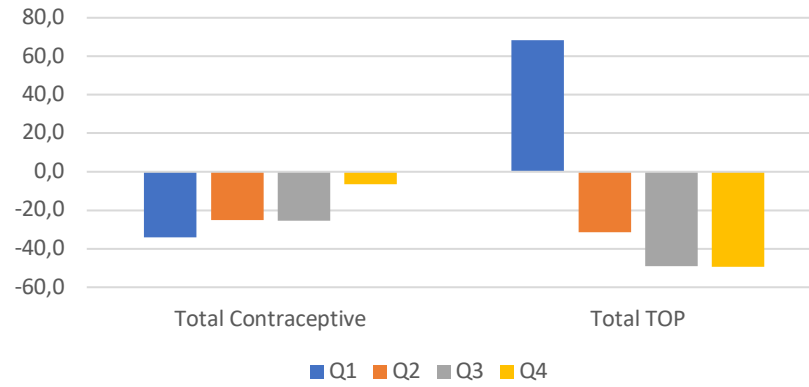


Reproductive health services

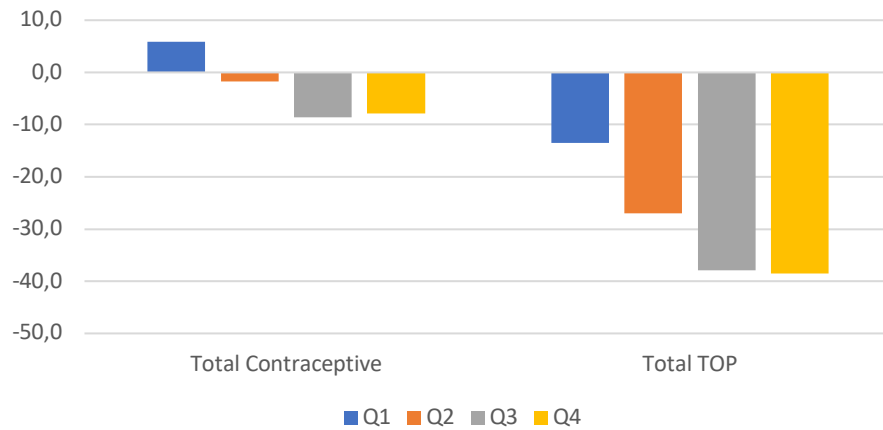
City of Cape Town



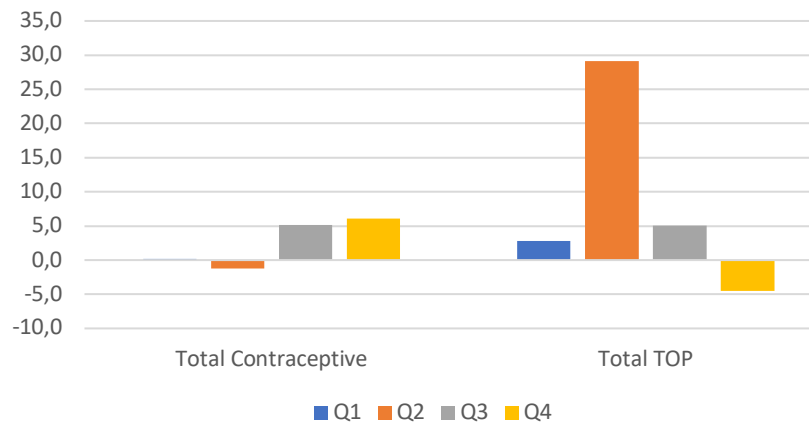
Ehlanzeni



eThekweni

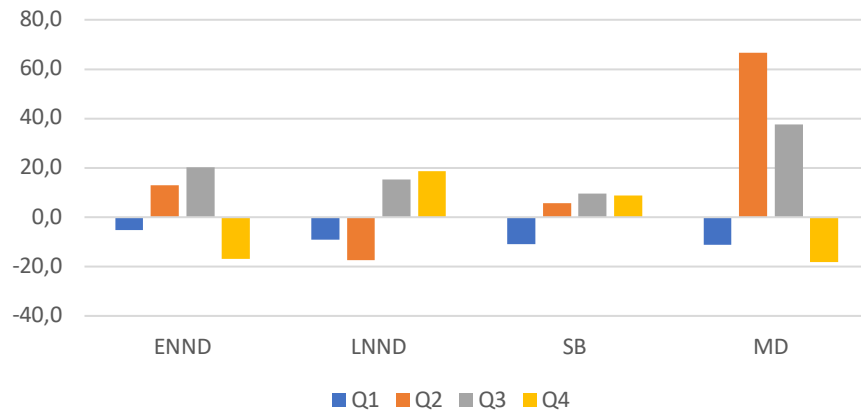


King Cetshwayo

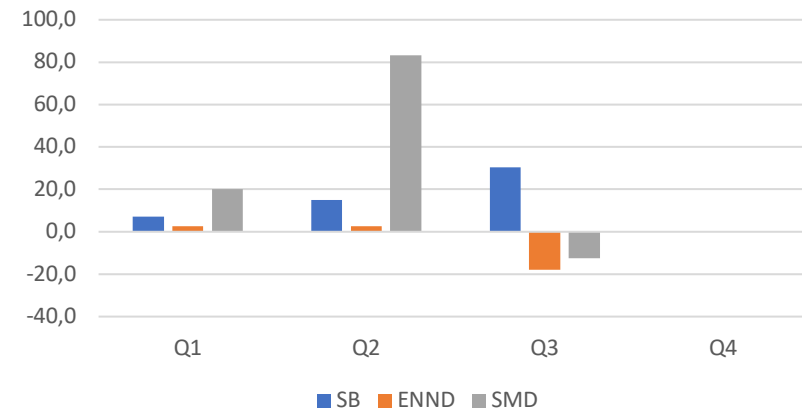


Maternal and perinatal deaths

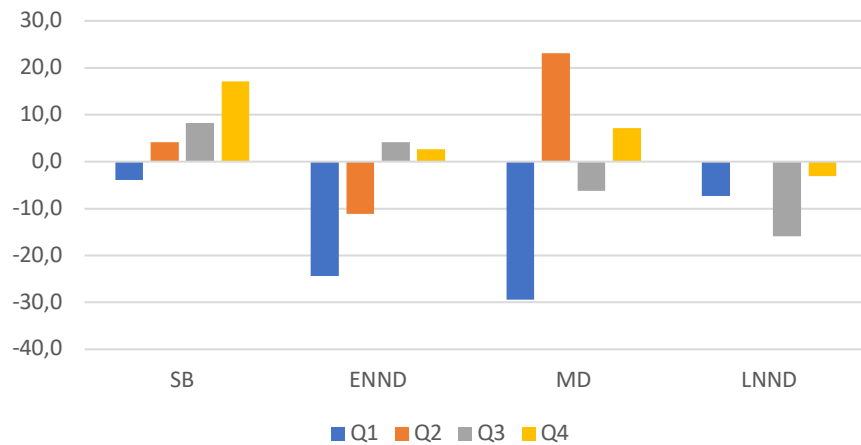
City of Cape Town



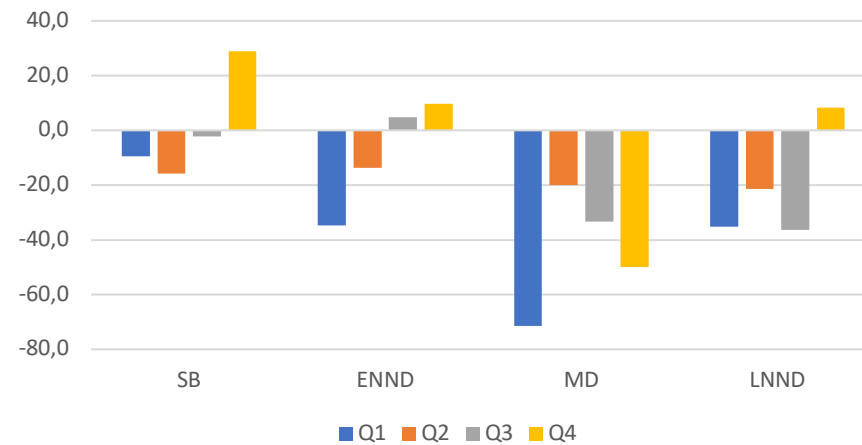
Ehlanzeni (PIIP data)



eThekweni

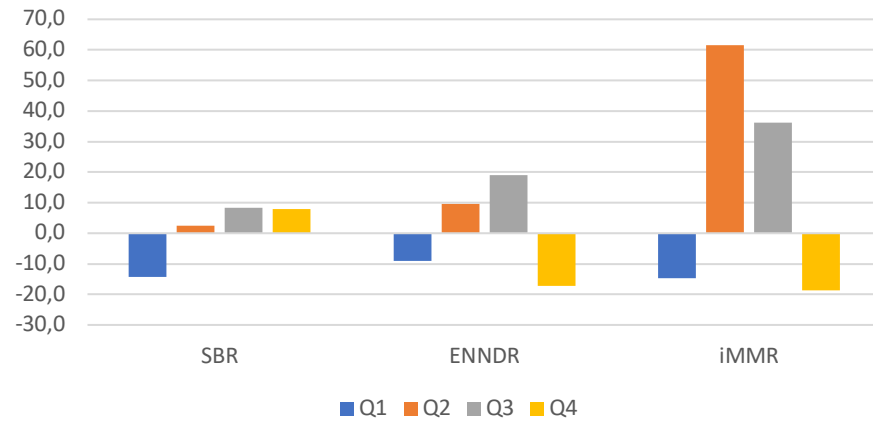


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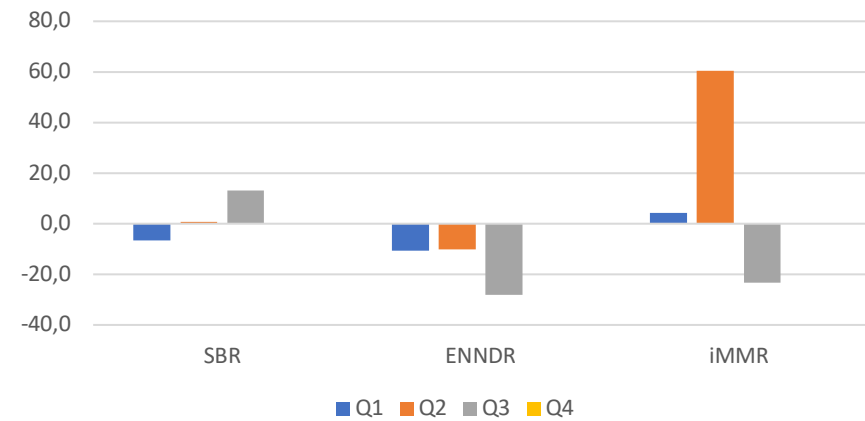


Maternal and perinatal mortality ratios and rates

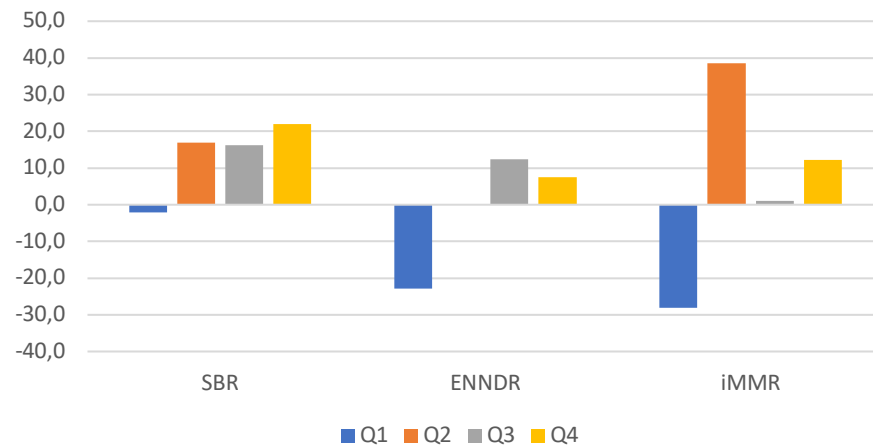
City of Cape Town



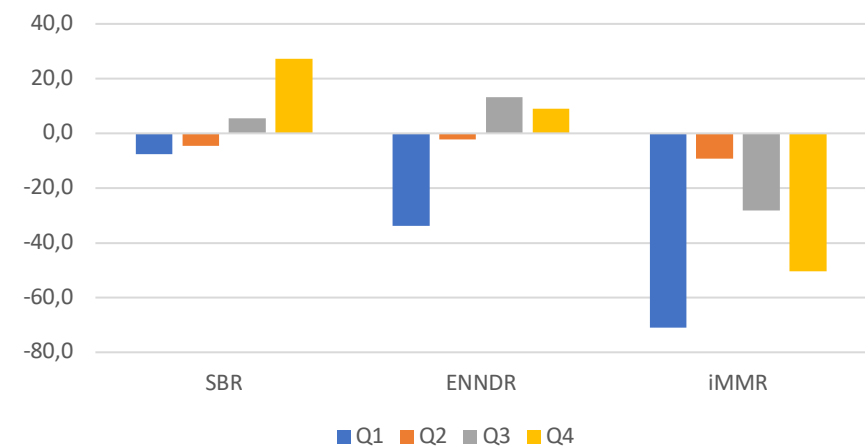
Ehlanzeni (PIIP data)



eThekweni



King Cetshwayo



Use of maternal and reproductive health services in two sites involved early with the second wave

The Eastern Cape was reported to have the second wave before other provinces. This section examines the effects on two areas, the Nelson Mandela Bay Metropolitan area (urban) and OR Tambo district (rural).

Nelson Mandela Bay

NMB	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	2 921	2 599	2 824	2 635	3 102	2 295	2 922	2 649
Antenatal 1st visit total	4 274	3 642	3 967	3 702	4 564	3 346	4 341	3 922
Live birth in facility	3 915	3 950	3 823	3 969	4 067	4 049	4 171	4 071
Total births	3 988	4 013	3 906	4 053	4 172	4 135	4 261	4 183
	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Still birth in facility	73	63	83	84	105	86	90	112
Death in facility 0-6 days	37	31	26	31	37	36	42	39
Maternal death in facility	4	5	1	5	5	4	3	10
Death in facility 7-28 days	15	13	14	12	7	16	20	16
	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
IUCD inserted	168	214	173	168	139	138	99	83
Medroxyprogesterone injection	52 382	45 071	42 358	39 878	45 903	32 175	26 008	32 462
Norethisterone enanthate injection	4 370	14 373	22 866	21 011	16 425	10 704	30 004	20 140
Oral pill cycle	18 666	16 165	16 190	15 987	16 561	13 650	15 152	13 291
Sub-dermal implant inserted	473	640	785	444	606	457	561	558
Total contraceptives	76 059	76 463	82 372	77 488	79 634	57 124	71 824	66 534
Termination of pregnancy - total	559	1 022	834	438	642	411	538	564
Termination of pregnancy 0-12 weeks	555	922	763	438	641	411	538	564
Termination of pregnancy 10-19 years	64	83	103	76	53	32	71	62
Termination of pregnancy 13-20 weeks	4	100	71	0	1	0	0	0
Termination of pregnancy 20 years and older	835	661	753	442	570	379	456	504

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
1st visit <20	181	-304	98	14	1st visit <20	6,2	-11,7	3,5	0,5
1st Visit Tot	290	-296	374	220	1st Visit Tot	6,8	-8,1	9,4	5,9
	0	0	0	0					
LB	152	99	348	102	LB	3,9	2,5	9,1	2,6
TB	184	122	355	130	TB	4,6	3,0	9,1	3,2
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SB	32	23	7	28	SB	43,8	36,5	8,4	33,3
ENND	0	5	16	8	ENND	0,0	16,1	61,5	25,8
MD	1	-1	2	5	MD	25,0	-20,0	200,0	100,0
LNND	-8	3	6	4	LNND	-53,3	23,1	42,9	33,3
Difference	Q1	Q2	Q3	Q4	Difference	Q1	Q2	Q3	Q4
IUCD	-29	-76	-74	-85	IUCD	-17,3	-35,5	-42,8	-50,6
Depo	-6 479	-12 896	-16 350	-7 416	Depo	-12,4	-28,6	-38,6	-18,6
Nore	12 055	-3 669	7 138	-871	Nore	275,9	-25,5	31,2	-4,1
COC	-2 105	-2 515	-1 038	-2 696	COC	-11,3	-15,6	-6,4	-16,9
Impl.	133	-183	-224	114	Impl.	28,1	-28,6	-28,5	25,7
Total Contraceptive	3 575	-19 339	-10 548	-10 954	Total Contraceptive	4,7	-25,3	-12,8	-14,1
Total TOP	83	-611	-296	126	Total TOP	14,8	-59,8	-35,5	28,8

NMB	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	18,3	15,7	21,2	20,7	25,2	20,8	21,1	26,8
ENNDR	9,5	7,8	6,8	7,8	9,1	8,9	10,1	9,6
iMMR	102,2	126,6	26,2	126,0	122,9	98,8	71,9	245,6

Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SBR	6,9	5,1	-0,1	6,0	SBR	37,5	32,5	-0,6	29,2
ENNDR	-0,4	1,0	3,3	1,8	ENNDR	-3,7	13,3	48,1	22,7
iMMR	20,8	-27,8	45,8	119,7	iMMR	20,3	-22,0	175,0	95,0

OR Tambo

OR Tambo	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Antenatal 1st visit before 20 weeks	5 797	5 171	5 776	5 818	6 938	5 067	5 534	4 953
Antenatal 1st visit total	9 064	8 797	9 188	8 501	10 052	8 128	8 852	8 053
Live birth in facility	7 582	7 709	7 994	7 179	7 765	7 525	7 686	7 260
Total births	7 756	7 897	8 144	7 380	7 928	7 706	7 878	7 446
Still birth in facility	174	188	150	201	163	181	192	186
Death in facility 0-6 days	92	144	101	105	87	92	93	114
Maternal death in facility	16	13	14	15	14	12	27	19
Death in facility 7-28 days	35	27	38	28	26	22	37	35
IUCD inserted	111	178	16	77	95	82	104	122
Medroxyprogesterone injection	43 964	41 641	45 653	48 392	48 807	40 536	28 503	18 214
Norethisterone enanthate injection	15 019	17 124	18 905	18 320	13 164	14 218	21 735	24 944
Oral pill cycle	10 595	10 179	10 448	8 677	11 307	9 487	15 677	17 205
Sub-dermal implant inserted	260	217	190	133	303	304	730	854
Total contraceptives	69 949	69 339	75 212	75 599	73 676	64 627	66 749	61 339
Termination of pregnancy - total	880	559	730	733	711	442	519	435
Termination of pregnancy 0-12 weeks	627	475	569	600	527	362	388	347
Termination of pregnancy 10-19 years	69	105	94	138	142	69	125	88
Termination of pregnancy 13-20 weeks	253	84	161	133	184	80	131	88
Termination of pregnancy 20 years and older	645	666	853	742	803	519	708	443

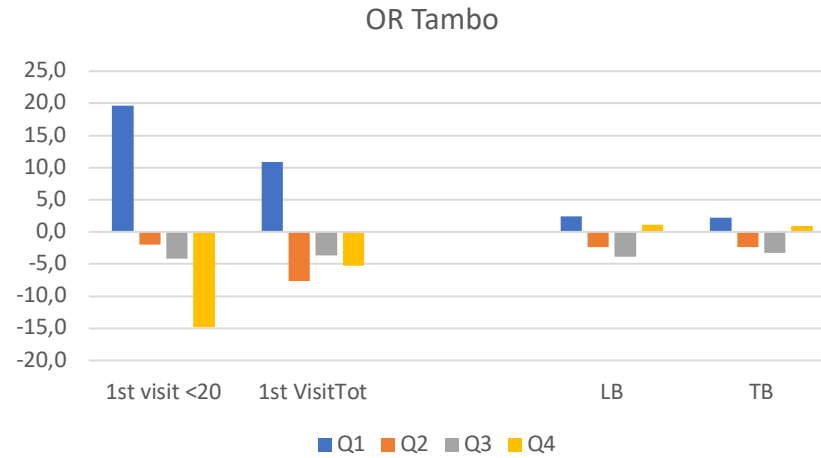
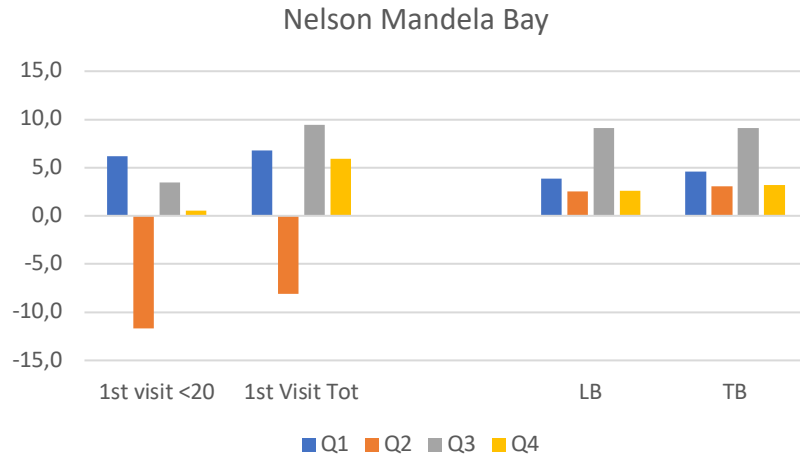
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
1st visit <20	1 141	-104	-242	-865	1st visit <20	19,7	-2,0	-4,2	-14,9
1st Visit <20	988	-669	-336	-448	1st Visit <20	10,9	-7,6	-3,7	-5,3
LB	183	-184	-308	81	LB	2,4	-2,4	-3,9	1,1
TB	172	-191	-266	66	TB	2,2	-2,4	-3,3	0,9
SBR	-11	-7	42	-15	SBR	-6,3	-3,7	28,0	-7,5
ENND	-5	-52	-8	9	ENND	-5,4	-36,1	-7,9	8,6
MD	-2	-1	13	4	MD	-12,5	-7,7	92,9	26,7
LNND	-9	-5	-1	7	LNND	-25,7	-18,5	-2,6	25,0
IUCD	-16	-96	88	45	IUCD	-14,4	-53,9	550,0	58,4
Depo	4 843	-1 105	150	178	Depo	11,0	-2,7	-37,6	-62,4
Nore	-1 855	-2 906	2 830	6 624	Nore	-12,4	-17,0	15,0	36,2
COC	712	-692	5 229	8 528	COC	6,7	-6,8	50,0	98,3
Impl.	43	87	540	721	Impl.	16,5	40,1	284,2	542,1
Total Contraceptive	3 727	-4 712	-8 463	-14 260	Total Contraceptive	5,3	-6,8	-11,3	-18,9
Total TOP	-169	-117	-211	-298	Total TOP	-19,2	-20,9	-28,9	-40,7

OR Tambo	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
SBR	22,4	23,8	18,4	27,2	20,6	23,5	24,4	25,0
ENNDR	12,1	18,7	12,6	14,6	11,2	12,2	12,1	15,7
iMMR	211,0	168,6	175,1	208,9	180,3	159,5	351,3	261,7

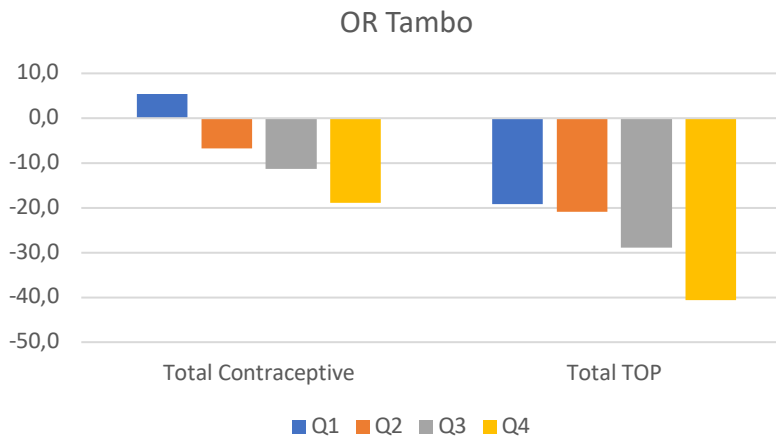
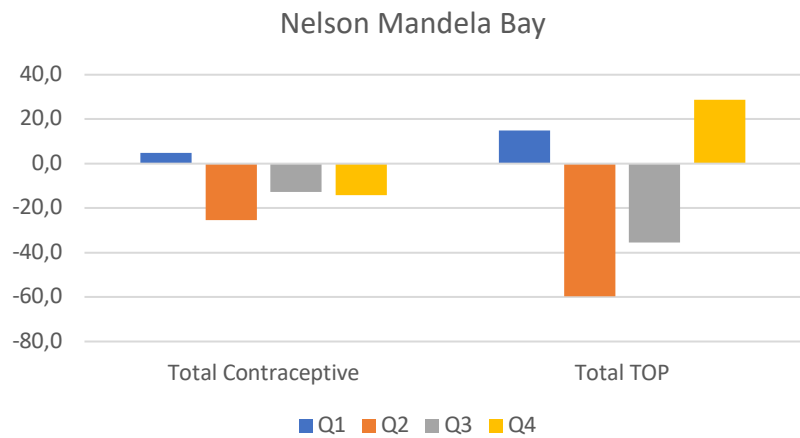
Difference	Q1	Q2	Q3	Q4	% Difference	Q1	Q2	Q3	Q4
SBR	-1,9	-0,3	6,0	-2,3	SBR	-8,4	-1,3	32,3	-8,3
ENNDR	-0,9	-6,5	-0,5	1,1	ENNDR	-7,7	-34,5	-4,2	7,4
iMMR	-30,7	-9,2	176,2	52,8	iMMR	-14,6	-5,4	100,6	25,3

Comparison of early second wave sites

Percentage difference in use of maternity services and reproductive health services

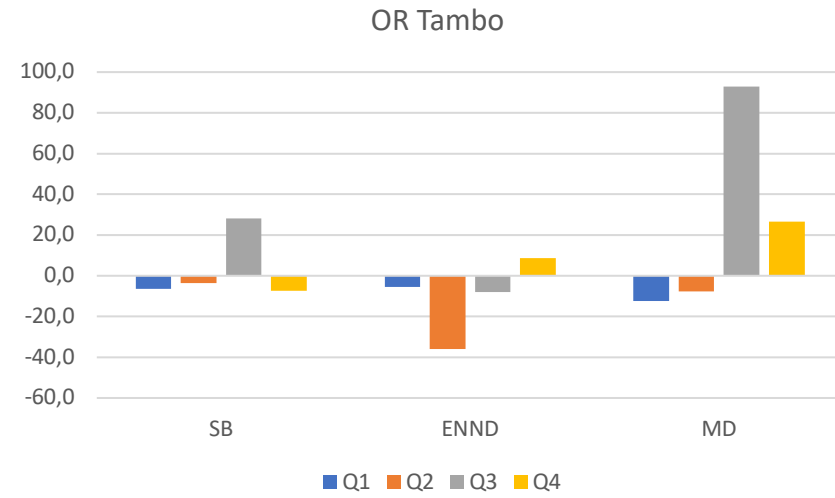
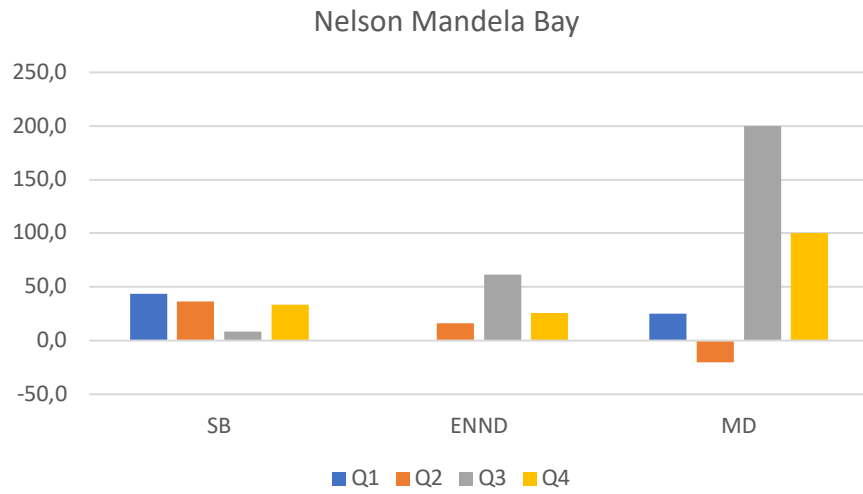


Percentage difference in use of reproductive health services

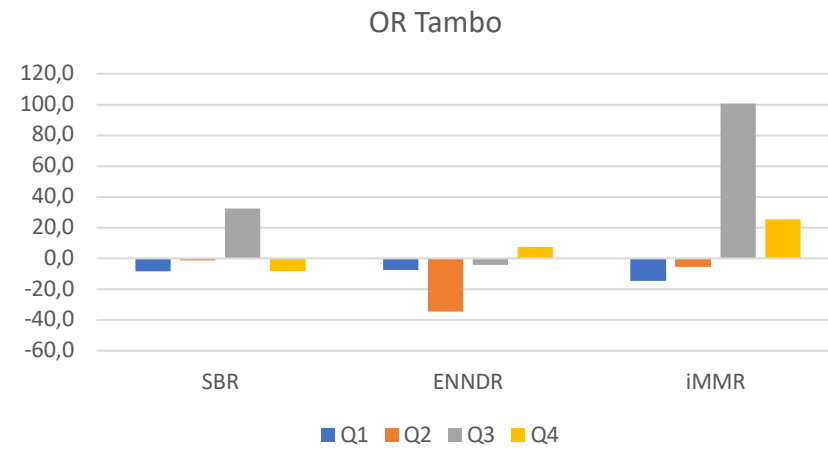
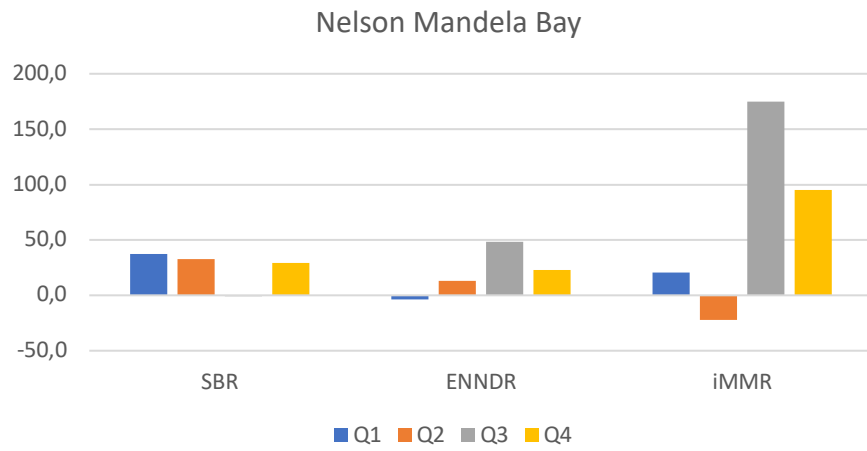


Percentage difference in perinatal and maternal mortality

Number



Rates and ratios



NDoH/SAMRC/UP database on outcome of pregnancies of women who have had proven Covid-19 in the public sector

(Data collected at delivery of the woman and infant)

	EC	WC	NC	FS	NW	KZN	GAU	MPU	LIM	TOTAL	
TOTAL FORMS	137	186	42	65	5	167	205	2	0	809	
Antenatal care											
Yes	124	172	41	64	4	137	174	1	0	717	88.63%
No	10	7	0	0	0	9	9	0	0	35	4.33%
Unknown	3	7	1	1	1	21	22	1	0	57	7.05%
Maternal age											
<18y	5	3	3	0	0	3	8	0	0	22	2.72%
18-35y	96	139	33	50	4	112	148	2	0	584	72.19%
>35y	40	40	9	13	1	47	52	0	0	202	24.97%
Parity											
0	23	31	4	16	0	35	31	0	0	140	17.31%
1-5	109	149	36	48	4	125	164	2	0	637	78.74%
>5	4	6	2	1	1	7	10	0	0	31	3.83%
Delivered at this facility											
Yes	110	173	39	61	3	136	186	2	0	710	87.76%
No	9	4	2	0	1	4	1	0	0	21	2.60%
Unknown	18	9	1	4	1	27	18	0	0	78	9.64%
GA at birth											
<30 weeks	19	14	1	2	0	18	13	0	0	67	8.28%
30-34 weeks	29	32	7	10	1	28	31	0	0	138	17.06%
35-36 weeks	22	24	5	5	0	36	25	0	0	117	14.46%
37-41 weeks	54	102	29	48	3	77	118	2	0	433	53.52%
>=42 weeks	4	2	0	0	0	0	5	0	0	11	1.36%
Unknown	9	12	0	0	1	8	13	0	0	43	5.32%
Birthweight											
>= 2500g	78	144	31	51	3	110	148	2	0	567	70.09%
1500 - 2499g	35	31	7	9	1	31	44	0	0	158	19.53%
1000 - 1499g	9	6	3	2	0	7	5	0	0	32	3.96%
<1000g	3	0	1	0	0	2	1	0	0	7	0.87%
Unknown	11	3	0	3	1	14	4	0	0	36	4.45%
Gestation											
Singleton	119	173	41	63	4	150	188	2	0	740	91.47%
Multiple	5	0	-12	-11	-12	3	4	-13	-13	-49	-6.06%
Unknown	13	5	1	1	1	11	12	0	0	44	5.44%
Mode of delivery											
Normal vertex delivery	53	76	11	17	1	55	100	2	0	315	38.94%
Vaginal breech delivery	2	2	0	0	0	1	2	0	0	7	0.87%
Assisted vaginal delivery	0	3	0	1	0	1	2	0	0	7	0.87%
Caesarean section before labour	40	63	24	29	2	54	51	0	0	263	32.51%
Caesarean section during labour	37	38	6	15	1	45	40	0	0	182	22.50%
Unknown/Not recorded	5	4	1	3	1	9	10	0	0	33	4.08%

	EC	WC	NC	FS	NW	KZN	GAU	MPU	LIM	TOTAL	
TOTAL FORMS	137	186	42	65	5	167	205	2	0	809	
Condition at birth											
Born alive	118	170	36	60	4	146	187	2	0	723	89.37%
Stillborn, alive on admission	4	1	0	0	0	2	1	0	0	8	0.99%
Fresh stillborn, dead on admission	2	3	2	0	0	1	5	0	0	13	1.61%
Stillborn, admission status unk.	0	0	0	0	0	0	0	0	0	0	0.00%
Macerated stillborn	4	2	2	3	0	1	1	0	0	13	1.61%
Total stillbirths	10	6	4	3	0	4	7	0	0	34	
SBR Covid per 1000 covid deliveries											
	73,0	32,3	95,2	46,2	0,0	24,0	34,1			42,0	
Syphilis											
Negative	77	68	26	38	2	63	76	2	0	352	43.51%
Positive	1	0	0	1	0	3	9	0	0	14	1.73%
Unknown	58	117	16	25	3	101	120	0	0	440	54.39%
HIV											
Negative	85	131	40	45	2	94	151	2	0	550	67.99%
Positive, on long term ART	50	42	1	15	2	61	45	0	0	216	26.70%
Unknown	0	8	0	2	1	1	4	0	0	16	1.98%
Infant feeding											
Breastfeeding	80	130	26	49	3	85	158	2	0	533	65.88%
Formula	8	11	2	9	1	27	10	0	0	68	8.41%
Unknown/Not recorded	41	23	5	6	0	45	32	0	0	152	18.79%
Maternal obstetric condition											
Hypertension/pre-eclampsia/eclampsia	24	19	15	7	0	12	32	0	0	109	13.47%
Gestational diabetes	2	6	0	0	0	2	4	0	0	14	1.73%
Spontaneous preterm labour	4	5	0	1	0	6	2	0	0	18	2.22%
Premature rupture of membranes	2	2	1	0	0	4	2	0	0	11	1.36%
Antepartum haemorrhage	4	1	1	0	0	1	1	0	0	8	0.99%
Postpartum haemorrhage	0	0	0	0	0	0	0	0	0	0	0.00%
Puerperal sepsis	0	1	0	0	0	0	0	0	0	1	0.12%
Pneumonia/ARDS	2	1	0	3	0	3	1	0	0	10	1.24%
Not recorded	38	36	7	29	0	46	85	1	0	242	29.91%
Other:	61	115	18	25	5	93	78	1	0	396	48.95%
<i>Previous CS x2</i>											
<i>Urinary tract infection</i>											
<i>Chorio-amnionitis</i>											
<i>Pulmonary edema</i>											
<i>Peripartum cardiomyopathy, etc</i>											

	EC	WC	NC	FS	NW	KZN	GAU	MPU	LIM	TOTAL	
TOTAL FORMS	137	186	42	65	5	167	205	2	0	809	
Health systems usage: mother											
Admitted to high-care unit	11	29	8	5	1	26	8	0	0	88	10.88%
Admitted to ICU	6	1	2	3	1	4	7	0	0	24	2.97%
Intubated & ventilated	5	0	0	0	0	0	0	0	0	5	0.62%
Death	12	4	0	3	2	11	6	0	0	38	4.70%
Not recorded	77	111	34	59	2	83	89	2	0	457	56.49%
Case Fatality rate of Covid + women who have delivered (%)											
	8,8	2,2	0,0	4,6	40,0	6,6	2,9			4,7	
Duration of hospital stay											
Duration of hospital stay unknown	53	87	9	19	1	105	155	1	0	430	53.15%
Duration of hospital stay 1-2 days	10	26	13	5	2	14	12	1	0	83	10.26%
Duration of hospital stay 3-7 days	34	44	19	33	1	24	19	0	0	174	21.51%
Duration of hospital stay >7 days	39	26	1	8	1	24	18	0	0	117	14.46%
Neonatal morbidity											
Respiratory distress syndrome	5	9	4	7	0	15	17	0	0	57	7.05%
Meconium aspiration syndrome	0	0	0	0	0	2	1	0	0	3	0.37%
Hypoxic-ischemic encephalopathy	0	0	0	0	0	0	0	0	0	0	0.00%
Necrotising enterocolitis	0	0	0	0	0	0	0	0	0	0	0.00%
Intracranial Haemorrhage	0	0	0	0	0	0	0	0	0	0	0.00%
Congenital abnormality	0	0	0	0	0	0	1	0	0	1	0.12%
Neonatal sepsis	0	3	0	0	0	0	0	0	0	3	0.37%
Not recorded/None	175	106	26	22	1	82	118	1	0	531	65.64%
Other:	-43	68	12	36	4	68	68	1	0	214	26.45%
<i>Hypoglycemia (twins - both babies)</i>											
<i>Peri-ocular opening</i>											
<i>Prematurity, etc</i>											

	EC	WC	NC	FS	NW	KZN	GAU	MPU	LIM	TOTAL	
TOTAL FORMS	137	186	42	65	5	167	205	2	0	809	
Health systems usage: baby											
Stayed with the mother	43	58	25	38	1	19	60	1	0	245	30.28%
Discharge to interim caregiver	4	0	0	1	1	0	0	0	0	6	0.74%
Admitted to neonatal nursery	17	43	3	2	0	32	16	0	0	113	13.97%
Admitted to high-care unit	5	0	4	1	0	5	7	0	0	22	2.72%
Admitted to ICU	7	2	1	6	0	13	9	0	0	38	4.70%
Intubated & ventilated	0	0	0	0	0	0	0	0	0	0	0.00%
Death	10	5	3	1	0	4	3	0	0	26	3.21%
Not recorded	26	56	6	16	3	53	22	1	0	183	22.62%
NNDR Covid births/1000 covid births											
	73,0	26,9	71,4	15,4		24,0	14,6			32,1	
PNMR Covid births/1000 covid births											
	146,0	59,1	166,7	61,5		47,9	48,8			74,2	
Duration of nursery admission unknown											
	75	104	12	27	4	126	182	2	0	532	65.76%
Duration of nursery admission 0 days											
	21	21	0	0	0	1	3	0	0	46	5.69%
Duration of nursery admission 1-3 days											
	10	28	23	17	0	15	15	0	0	108	13.35%
Duration of nursery admission 4-7 days											
	10	15	6	15	1	13	2	0	0	62	7.66%
Duration of nursery admission >7 days											
	21	18	1	6	0	12	3	0	0	61	7.54%