

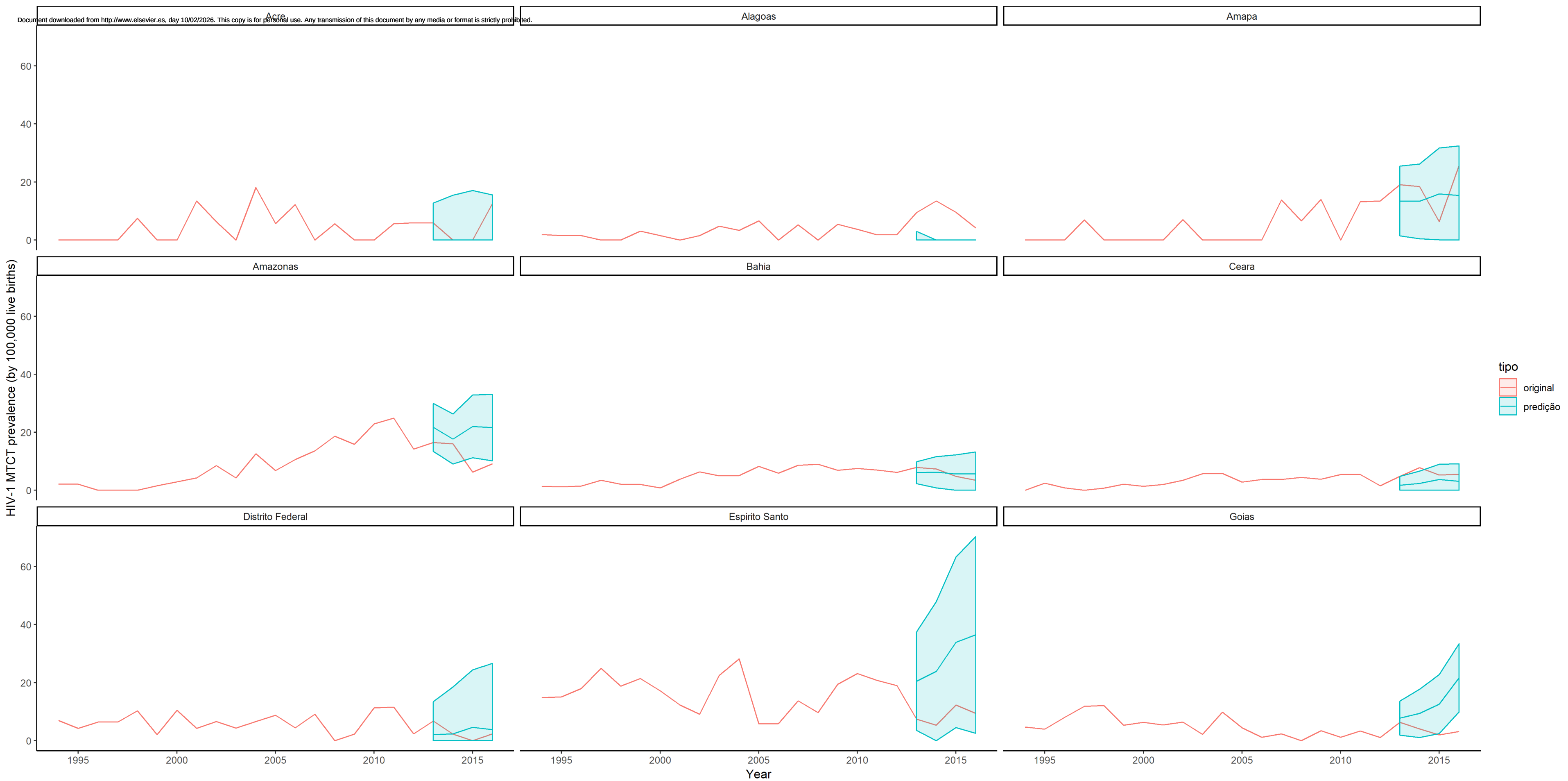
HIV-1 Mother-to-child Transmission in Brazil (1994-2016): A Time Series Modeling

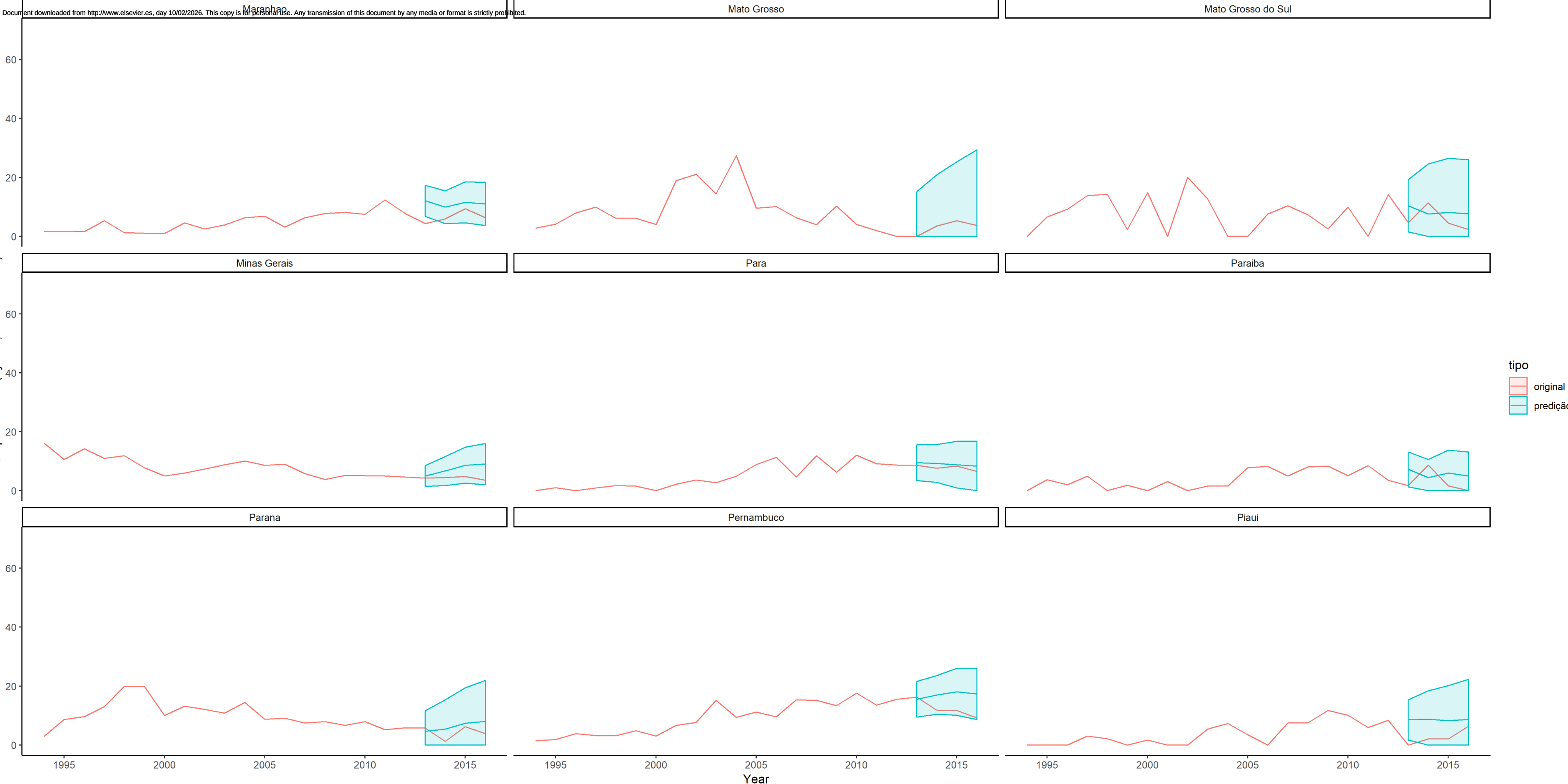
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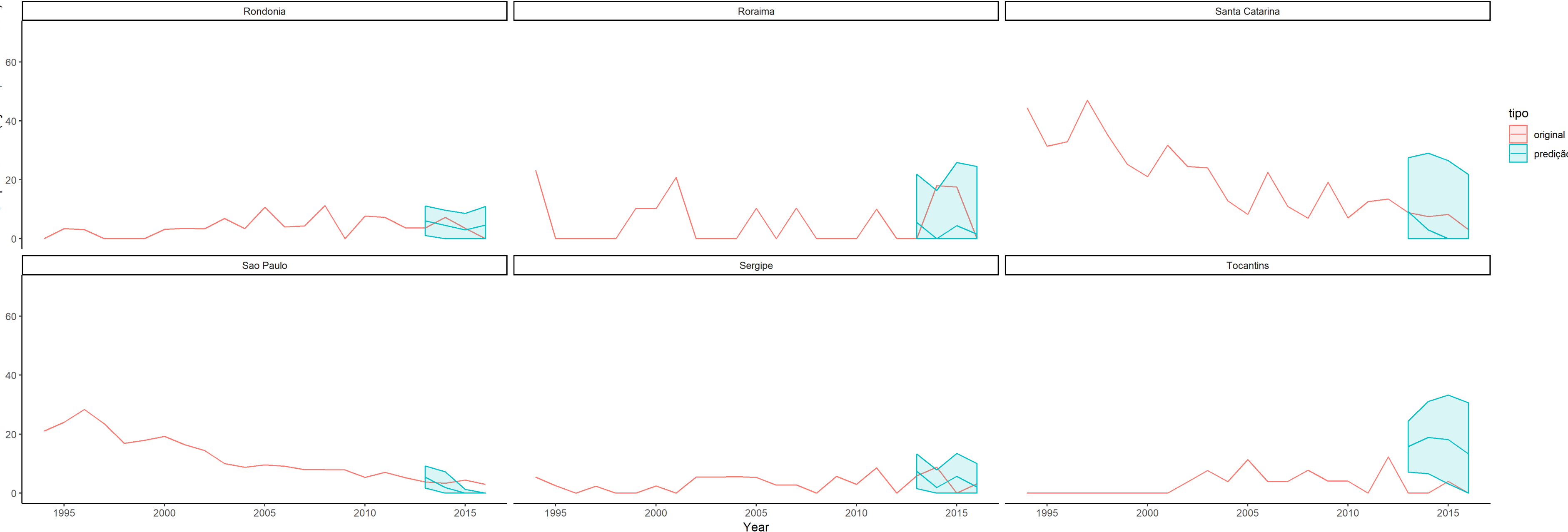
Supplementary Material

Supplementary Figure 1. Brazil's HIV-1 MTCT prevalence for years 1994 to 2016, stratified by federative unit (state), and ARIMAX models' forecast for years 2013-2016. States are listed alphabetically, left-to-right and top-to-bottom.

Supplementary Table 1. Raw data of Supplementary Figure S1.







Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
1994	Estimated	Brazil	(All states)	10,966059	NA	NA
1995	Estimated	Brazil	(All states)	11,859545	NA	NA
1996	Estimated	Brazil	(All states)	14,87052	NA	NA
1997	Estimated	Brazil	(All states)	13,645414	NA	NA
1998	Estimated	Brazil	(All states)	12,198078	NA	NA
1999	Estimated	Brazil	(All states)	10,68654	NA	NA
2000	Estimated	Brazil	(All states)	10,38431	NA	NA
2001	Estimated	Brazil	(All states)	10,752778	NA	NA
2002	Estimated	Brazil	(All states)	11,374772	NA	NA
2003	Estimated	Brazil	(All states)	10,795685	NA	NA
2004	Estimated	Brazil	(All states)	11,432166	NA	NA
2005	Estimated	Brazil	(All states)	10,806907	NA	NA
2006	Estimated	Brazil	(All states)	10,288876	NA	NA
2007	Estimated	Brazil	(All states)	9,960821	NA	NA
2008	Estimated	Brazil	(All states)	9,50652	NA	NA
2009	Estimated	Brazil	(All states)	9,19634	NA	NA
2010	Estimated	Brazil	(All states)	9,364513	NA	NA
2011	Estimated	Brazil	(All states)	9,645883	NA	NA
2012	Estimated	Brazil	(All states)	7,639922	NA	NA
2013	Estimated	Brazil	(All states)	6,852553	NA	NA
2014	Estimated	Brazil	(All states)	7,115863	NA	NA
2015	Estimated	Brazil	(All states)	6,594496	NA	NA
2016	Estimated	Brazil	(All states)	5,493736	NA	NA
2013	Forecast	Brazil	(All states)	7,512522	5,8800219	9,145022
2014	Forecast	Brazil	(All states)	7,159989	4,8512855	9,468693

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Brazil	(All states)	6,552503	3,7249301	9,380077
2016	Forecast	Brazil	(All states)	2,917477	0	6,182477
1994	Estimated	Centro-oeste	Distrito Federal	6,954425	NA	NA
1995	Estimated	Centro-oeste	Distrito Federal	4,216029	NA	NA
1996	Estimated	Centro-oeste	Distrito Federal	6,41478	NA	NA
1997	Estimated	Centro-oeste	Distrito Federal	6,402732	NA	NA
1998	Estimated	Centro-oeste	Distrito Federal	10,326738	NA	NA
1999	Estimated	Centro-oeste	Distrito Federal	2,026384	NA	NA
2000	Estimated	Centro-oeste	Distrito Federal	10,41862	NA	NA
2001	Estimated	Centro-oeste	Distrito Federal	4,265211	NA	NA
2002	Estimated	Centro-oeste	Distrito Federal	6,550361	NA	NA
2003	Estimated	Centro-oeste	Distrito Federal	4,338677	NA	NA
2004	Estimated	Centro-oeste	Distrito Federal	6,579957	NA	NA
2005	Estimated	Centro-oeste	Distrito Federal	8,711371	NA	NA
2006	Estimated	Centro-oeste	Distrito Federal	4,429483	NA	NA
2007	Estimated	Centro-oeste	Distrito Federal	9,070706	NA	NA
2008	Estimated	Centro-oeste	Distrito Federal	0	NA	NA
2009	Estimated	Centro-oeste	Distrito Federal	2,276245	NA	NA
2010	Estimated	Centro-oeste	Distrito Federal	11,29918	NA	NA
2011	Estimated	Centro-oeste	Distrito Federal	11,503509	NA	NA
2012	Estimated	Centro-oeste	Distrito Federal	2,299009	NA	NA
2013	Estimated	Centro-oeste	Distrito Federal	6,737031	NA	NA
2014	Estimated	Centro-oeste	Distrito Federal	2,236086	NA	NA
2015	Estimated	Centro-oeste	Distrito Federal	0	NA	NA
2016	Estimated	Centro-oeste	Distrito Federal	2,307337	NA	NA
2013	Forecast	Centro-oeste	Distrito Federal	2,012586	0	13,45784
2014	Forecast	Centro-oeste	Distrito Federal	2,352198	0	18,53823

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Centro-oeste	Distrito Federal	4,544021	0	24,36778
2016	Forecast	Centro-oeste	Distrito Federal	3,768123	0	26,65863
1994	Estimated	Centro-oeste	Goias	4,718242	NA	NA
1995	Estimated	Centro-oeste	Goias	3,96849	NA	NA
1996	Estimated	Centro-oeste	Goias	8,041656	NA	NA
1997	Estimated	Centro-oeste	Goias	11,841794	NA	NA
1998	Estimated	Centro-oeste	Goias	12,057151	NA	NA
1999	Estimated	Centro-oeste	Goias	5,318187	NA	NA
2000	Estimated	Centro-oeste	Goias	6,332721	NA	NA
2001	Estimated	Centro-oeste	Goias	5,377558	NA	NA
2002	Estimated	Centro-oeste	Goias	6,389981	NA	NA
2003	Estimated	Centro-oeste	Goias	2,172001	NA	NA
2004	Estimated	Centro-oeste	Goias	9,865068	NA	NA
2005	Estimated	Centro-oeste	Goias	4,368911	NA	NA
2006	Estimated	Centro-oeste	Goias	1,143079	NA	NA
2007	Estimated	Centro-oeste	Goias	2,348548	NA	NA
2008	Estimated	Centro-oeste	Goias	0	NA	NA
2009	Estimated	Centro-oeste	Goias	3,429159	NA	NA
2010	Estimated	Centro-oeste	Goias	1,143171	NA	NA
2011	Estimated	Centro-oeste	Goias	3,342916	NA	NA
2012	Estimated	Centro-oeste	Goias	1,07211	NA	NA
2013	Estimated	Centro-oeste	Goias	6,327645	NA	NA
2014	Estimated	Centro-oeste	Goias	4,008096	NA	NA
2015	Estimated	Centro-oeste	Goias	1,98665	NA	NA
2016	Estimated	Centro-oeste	Goias	3,13929	NA	NA
2013	Forecast	Centro-oeste	Goias	7,744102	1,861015	13,62719
2014	Forecast	Centro-oeste	Goias	9,338178	1,018236	17,65812

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Centro-oeste	Goias	12,564044	2,374237	22,75385
2016	Forecast	Centro-oeste	Goias	21,678003	9,911828	33,44418
1994	Estimated	Centro-oeste	Mato Grosso	2,798299	NA	NA
1995	Estimated	Centro-oeste	Mato Grosso	4,116836	NA	NA
1996	Estimated	Centro-oeste	Mato Grosso	7,991689	NA	NA
1997	Estimated	Centro-oeste	Mato Grosso	9,933446	NA	NA
1998	Estimated	Centro-oeste	Mato Grosso	6,117206	NA	NA
1999	Estimated	Centro-oeste	Mato Grosso	6,130832	NA	NA
2000	Estimated	Centro-oeste	Mato Grosso	4,042201	NA	NA
2001	Estimated	Centro-oeste	Mato Grosso	18,917499	NA	NA
2002	Estimated	Centro-oeste	Mato Grosso	21,024304	NA	NA
2003	Estimated	Centro-oeste	Mato Grosso	14,421393	NA	NA
2004	Estimated	Centro-oeste	Mato Grosso	27,34108	NA	NA
2005	Estimated	Centro-oeste	Mato Grosso	9,540164	NA	NA
2006	Estimated	Centro-oeste	Mato Grosso	10,096523	NA	NA
2007	Estimated	Centro-oeste	Mato Grosso	6,331518	NA	NA
2008	Estimated	Centro-oeste	Mato Grosso	4,016548	NA	NA
2009	Estimated	Centro-oeste	Mato Grosso	10,31417	NA	NA
2010	Estimated	Centro-oeste	Mato Grosso	4,087555	NA	NA
2011	Estimated	Centro-oeste	Mato Grosso	1,952439	NA	NA
2012	Estimated	Centro-oeste	Mato Grosso	0	NA	NA
2013	Estimated	Centro-oeste	Mato Grosso	0	NA	NA
2014	Estimated	Centro-oeste	Mato Grosso	3,539886	NA	NA
2015	Estimated	Centro-oeste	Mato Grosso	5,293526	NA	NA
2016	Estimated	Centro-oeste	Mato Grosso	3,736153	NA	NA
2013	Forecast	Centro-oeste	Mato Grosso	0	0	15,19783
2014	Forecast	Centro-oeste	Mato Grosso	0	0	20,86088

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Centro-oeste	Mato Grosso	0	0	25,32849
2016	Forecast	Centro-oeste	Mato Grosso	0	0	29,38197
1994	Estimated	Centro-oeste	Mato Grosso do Sul	0	NA	NA
1995	Estimated	Centro-oeste	Mato Grosso do Sul	6,604293	NA	NA
1996	Estimated	Centro-oeste	Mato Grosso do Sul	9,198786	NA	NA
1997	Estimated	Centro-oeste	Mato Grosso do Sul	13,818517	NA	NA
1998	Estimated	Centro-oeste	Mato Grosso do Sul	14,314001	NA	NA
1999	Estimated	Centro-oeste	Mato Grosso do Sul	2,388973	NA	NA
2000	Estimated	Centro-oeste	Mato Grosso do Sul	14,818474	NA	NA
2001	Estimated	Centro-oeste	Mato Grosso do Sul	0	NA	NA
2002	Estimated	Centro-oeste	Mato Grosso do Sul	20,033556	NA	NA
2003	Estimated	Centro-oeste	Mato Grosso do Sul	12,739503	NA	NA
2004	Estimated	Centro-oeste	Mato Grosso do Sul	0	NA	NA
2005	Estimated	Centro-oeste	Mato Grosso do Sul	0	NA	NA
2006	Estimated	Centro-oeste	Mato Grosso do Sul	7,592054	NA	NA
2007	Estimated	Centro-oeste	Mato Grosso do Sul	10,35706	NA	NA
2008	Estimated	Centro-oeste	Mato Grosso do Sul	7,276432	NA	NA
2009	Estimated	Centro-oeste	Mato Grosso do Sul	2,482992	NA	NA
2010	Estimated	Centro-oeste	Mato Grosso do Sul	9,967109	NA	NA
2011	Estimated	Centro-oeste	Mato Grosso do Sul	0	NA	NA
2012	Estimated	Centro-oeste	Mato Grosso do Sul	14,200511	NA	NA
2013	Estimated	Centro-oeste	Mato Grosso do Sul	4,72858	NA	NA
2014	Estimated	Centro-oeste	Mato Grosso do Sul	11,348677	NA	NA
2015	Estimated	Centro-oeste	Mato Grosso do Sul	4,530832	NA	NA
2016	Estimated	Centro-oeste	Mato Grosso do Sul	2,356712	NA	NA
2013	Forecast	Centro-oeste	Mato Grosso do Sul	10,399548	1,516919	19,28218
2014	Forecast	Centro-oeste	Mato Grosso do Sul	7,591315	0	24,60012

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Centro-oeste	Mato Grosso do Sul	8,145531	0	26,43952
2016	Forecast	Centro-oeste	Mato Grosso do Sul	7,714426	0	26,0087
1994	Estimated	Nordeste	Alagoas	1,923632	NA	NA
1995	Estimated	Nordeste	Alagoas	1,500555	NA	NA
1996	Estimated	Nordeste	Alagoas	1,533154	NA	NA
1997	Estimated	Nordeste	Alagoas	0	NA	NA
1998	Estimated	Nordeste	Alagoas	0	NA	NA
1999	Estimated	Nordeste	Alagoas	3,052643	NA	NA
2000	Estimated	Nordeste	Alagoas	1,520612	NA	NA
2001	Estimated	Nordeste	Alagoas	0	NA	NA
2002	Estimated	Nordeste	Alagoas	1,551422	NA	NA
2003	Estimated	Nordeste	Alagoas	4,759487	NA	NA
2004	Estimated	Nordeste	Alagoas	3,375072	NA	NA
2005	Estimated	Nordeste	Alagoas	6,593914	NA	NA
2006	Estimated	Nordeste	Alagoas	0	NA	NA
2007	Estimated	Nordeste	Alagoas	5,225935	NA	NA
2008	Estimated	Nordeste	Alagoas	0	NA	NA
2009	Estimated	Nordeste	Alagoas	5,408231	NA	NA
2010	Estimated	Nordeste	Alagoas	3,692489	NA	NA
2011	Estimated	Nordeste	Alagoas	1,842265	NA	NA
2012	Estimated	Nordeste	Alagoas	1,904399	NA	NA
2013	Estimated	Nordeste	Alagoas	9,525987	NA	NA
2014	Estimated	Nordeste	Alagoas	13,498139	NA	NA
2015	Estimated	Nordeste	Alagoas	9,568096	NA	NA
2016	Estimated	Nordeste	Alagoas	4,152479	NA	NA
2013	Forecast	Nordeste	Alagoas	0	0	2,9827106
2014	Forecast	Nordeste	Alagoas	0	0	0

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Alagoas	0	0	0
2016	Forecast	Nordeste	Alagoas	0	0	0
1994	Estimated	Nordeste	Bahia	1,414,997	NA	NA
1995	Estimated	Nordeste	Bahia	1,223,286	NA	NA
1996	Estimated	Nordeste	Bahia	1,513,218	NA	NA
1997	Estimated	Nordeste	Bahia	3,489,548	NA	NA
1998	Estimated	Nordeste	Bahia	2,131,014	NA	NA
1999	Estimated	Nordeste	Bahia	2,059,978	NA	NA
2000	Estimated	Nordeste	Bahia	0,834,968	NA	NA
2001	Estimated	Nordeste	Bahia	3,818,008	NA	NA
2002	Estimated	Nordeste	Bahia	6,319,115	NA	NA
2003	Estimated	Nordeste	Bahia	5,020,563	NA	NA
2004	Estimated	Nordeste	Bahia	5,118,274	NA	NA
2005	Estimated	Nordeste	Bahia	8,222,794	NA	NA
2006	Estimated	Nordeste	Bahia	5,904,072	NA	NA
2007	Estimated	Nordeste	Bahia	8,620,767	NA	NA
2008	Estimated	Nordeste	Bahia	9,021,199	NA	NA
2009	Estimated	Nordeste	Bahia	6,889,361	NA	NA
2010	Estimated	Nordeste	Bahia	7,540,021	NA	NA
2011	Estimated	Nordeste	Bahia	6,975,705	NA	NA
2012	Estimated	Nordeste	Bahia	6,190,505	NA	NA
2013	Estimated	Nordeste	Bahia	7,868,517	NA	NA
2014	Estimated	Nordeste	Bahia	7,351,715	NA	NA
2015	Estimated	Nordeste	Bahia	4,838,982	NA	NA
2016	Estimated	Nordeste	Bahia	3,502,977	NA	NA
2013	Forecast	Nordeste	Bahia	6,111,193	2,310,982	9,911,404
2014	Forecast	Nordeste	Bahia	6,262,876	0,888,565	11,637,186

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Bahia	5,619335	0	12,201493
2016	Forecast	Nordeste	Bahia	5,650657	0	13,251079
1994	Estimated	Nordeste	Ceara	0	NA	NA
1995	Estimated	Nordeste	Ceara	2,5161875	NA	NA
1996	Estimated	Nordeste	Ceara	0,8527766	NA	NA
1997	Estimated	Nordeste	Ceara	0	NA	NA
1998	Estimated	Nordeste	Ceara	0,7155994	NA	NA
1999	Estimated	Nordeste	Ceara	2,0964214	NA	NA
2000	Estimated	Nordeste	Ceara	1,3947682	NA	NA
2001	Estimated	Nordeste	Ceara	2,0125179	NA	NA
2002	Estimated	Nordeste	Ceara	3,4905963	NA	NA
2003	Estimated	Nordeste	Ceara	5,7109	NA	NA
2004	Estimated	Nordeste	Ceara	5,825172	NA	NA
2005	Estimated	Nordeste	Ceara	2,8564287	NA	NA
2006	Estimated	Nordeste	Ceara	3,7031551	NA	NA
2007	Estimated	Nordeste	Ceara	3,7358319	NA	NA
2008	Estimated	Nordeste	Ceara	4,4803871	NA	NA
2009	Estimated	Nordeste	Ceara	3,8053778	NA	NA
2010	Estimated	Nordeste	Ceara	5,4334749	NA	NA
2011	Estimated	Nordeste	Ceara	5,4435735	NA	NA
2012	Estimated	Nordeste	Ceara	1,5764417	NA	NA
2013	Estimated	Nordeste	Ceara	4,8047663	NA	NA
2014	Estimated	Nordeste	Ceara	7,771155	NA	NA
2015	Estimated	Nordeste	Ceara	5,282381	NA	NA
2016	Estimated	Nordeste	Ceara	5,5447301	NA	NA
2013	Forecast	Nordeste	Ceara	1,793677	0	4,818494
2014	Forecast	Nordeste	Ceara	2,353212	0	6,63095

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Ceara	3,778644	0	9,017782
2016	Forecast	Nordeste	Ceara	3,144099	0	9,193733
1994	Estimated	Nordeste	Maranhao	1,7088759	NA	NA
1995	Estimated	Nordeste	Maranhao	1,7734584	NA	NA
1996	Estimated	Nordeste	Maranhao	1,6378407	NA	NA
1997	Estimated	Nordeste	Maranhao	5,3056027	NA	NA
1998	Estimated	Nordeste	Maranhao	1,2614795	NA	NA
1999	Estimated	Nordeste	Maranhao	1,035336	NA	NA
2000	Estimated	Nordeste	Maranhao	0,9919552	NA	NA
2001	Estimated	Nordeste	Maranhao	4,6071485	NA	NA
2002	Estimated	Nordeste	Maranhao	2,5441624	NA	NA
2003	Estimated	Nordeste	Maranhao	3,9086929	NA	NA
2004	Estimated	Nordeste	Maranhao	6,3232109	NA	NA
2005	Estimated	Nordeste	Maranhao	6,9089402	NA	NA
2006	Estimated	Nordeste	Maranhao	3,1317528	NA	NA
2007	Estimated	Nordeste	Maranhao	6,2840221	NA	NA
2008	Estimated	Nordeste	Maranhao	7,7941108	NA	NA
2009	Estimated	Nordeste	Maranhao	8,0883245	NA	NA
2010	Estimated	Nordeste	Maranhao	7,5272235	NA	NA
2011	Estimated	Nordeste	Maranhao	12,385537	NA	NA
2012	Estimated	Nordeste	Maranhao	7,7560131	NA	NA
2013	Estimated	Nordeste	Maranhao	4,3478261	NA	NA
2014	Estimated	Nordeste	Maranhao	5,9792775	NA	NA
2015	Estimated	Nordeste	Maranhao	9,3566058	NA	NA
2016	Estimated	Nordeste	Maranhao	6,335243	NA	NA
2013	Forecast	Nordeste	Maranhao	12,084186	6,790896	17,37748
2014	Forecast	Nordeste	Maranhao	9,896984	4,355223	15,43875

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Maranhao	11,575645	4,645572	18,50572
2016	Forecast	Nordeste	Maranhao	11,032125	3,691	18,37325
1994	Estimated	Nordeste	Paraiba	0	NA	NA
1995	Estimated	Nordeste	Paraiba	3,753472	NA	NA
1996	Estimated	Nordeste	Paraiba	1,995411	NA	NA
1997	Estimated	Nordeste	Paraiba	4,948168	NA	NA
1998	Estimated	Nordeste	Paraiba	0	NA	NA
1999	Estimated	Nordeste	Paraiba	1,834526	NA	NA
2000	Estimated	Nordeste	Paraiba	0	NA	NA
2001	Estimated	Nordeste	Paraiba	3,07896	NA	NA
2002	Estimated	Nordeste	Paraiba	0	NA	NA
2003	Estimated	Nordeste	Paraiba	1,559697	NA	NA
2004	Estimated	Nordeste	Paraiba	1,607717	NA	NA
2005	Estimated	Nordeste	Paraiba	7,776775	NA	NA
2006	Estimated	Nordeste	Paraiba	8,301235	NA	NA
2007	Estimated	Nordeste	Paraiba	5,045748	NA	NA
2008	Estimated	Nordeste	Paraiba	8,069201	NA	NA
2009	Estimated	Nordeste	Paraiba	8,330418	NA	NA
2010	Estimated	Nordeste	Paraiba	5,11082	NA	NA
2011	Estimated	Nordeste	Paraiba	8,511942	NA	NA
2012	Estimated	Nordeste	Paraiba	3,522987	NA	NA
2013	Estimated	Nordeste	Paraiba	1,758891	NA	NA
2014	Estimated	Nordeste	Paraiba	8,690362	NA	NA
2015	Estimated	Nordeste	Paraiba	1,692362	NA	NA
2016	Estimated	Nordeste	Paraiba	0	NA	NA
2013	Forecast	Nordeste	Paraiba	7,222776	1,309125	13,13643
2014	Forecast	Nordeste	Paraiba	4,446593	0	10,5938

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Paraiba	6,037791	0	13,78296
2016	Forecast	Nordeste	Paraiba	4,974063	0	13,12485
1994	Estimated	Nordeste	Pernambuco	1,391421	NA	NA
1995	Estimated	Nordeste	Pernambuco	1,860004	NA	NA
1996	Estimated	Nordeste	Pernambuco	3,833645	NA	NA
1997	Estimated	Nordeste	Pernambuco	3,269427	NA	NA
1998	Estimated	Nordeste	Pernambuco	3,100794	NA	NA
1999	Estimated	Nordeste	Pernambuco	4,860238	NA	NA
2000	Estimated	Nordeste	Pernambuco	3,059882	NA	NA
2001	Estimated	Nordeste	Pernambuco	6,703066	NA	NA
2002	Estimated	Nordeste	Pernambuco	7,689695	NA	NA
2003	Estimated	Nordeste	Pernambuco	15,163802	NA	NA
2004	Estimated	Nordeste	Pernambuco	9,35635	NA	NA
2005	Estimated	Nordeste	Pernambuco	11,177225	NA	NA
2006	Estimated	Nordeste	Pernambuco	9,581953	NA	NA
2007	Estimated	Nordeste	Pernambuco	15,374402	NA	NA
2008	Estimated	Nordeste	Pernambuco	15,152037	NA	NA
2009	Estimated	Nordeste	Pernambuco	13,397736	NA	NA
2010	Estimated	Nordeste	Pernambuco	17,570704	NA	NA
2011	Estimated	Nordeste	Pernambuco	13,563775	NA	NA
2012	Estimated	Nordeste	Pernambuco	15,56068	NA	NA
2013	Estimated	Nordeste	Pernambuco	16,259818	NA	NA
2014	Estimated	Nordeste	Pernambuco	11,847598	NA	NA
2015	Estimated	Nordeste	Pernambuco	11,722198	NA	NA
2016	Estimated	Nordeste	Pernambuco	9,179014	NA	NA
2013	Forecast	Nordeste	Pernambuco	15,53514	9,484966	21,58531
2014	Forecast	Nordeste	Pernambuco	17,0032	10,450126	23,55628

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Pernambuco	18,05269	10,057627	26,04775
2016	Forecast	Nordeste	Pernambuco	17,33911	8,660541	26,01768
1994	Estimated	Nordeste	Piaui	0	NA	NA
1995	Estimated	Nordeste	Piaui	0	NA	NA
1996	Estimated	Nordeste	Piaui	0	NA	NA
1997	Estimated	Nordeste	Piaui	3,084325	NA	NA
1998	Estimated	Nordeste	Piaui	2,1389	NA	NA
1999	Estimated	Nordeste	Piaui	0	NA	NA
2000	Estimated	Nordeste	Piaui	1,706048	NA	NA
2001	Estimated	Nordeste	Piaui	0	NA	NA
2002	Estimated	Nordeste	Piaui	0	NA	NA
2003	Estimated	Nordeste	Piaui	5,444152	NA	NA
2004	Estimated	Nordeste	Piaui	7,306336	NA	NA
2005	Estimated	Nordeste	Piaui	3,51704	NA	NA
2006	Estimated	Nordeste	Piaui	0	NA	NA
2007	Estimated	Nordeste	Piaui	7,516819	NA	NA
2008	Estimated	Nordeste	Piaui	7,595321	NA	NA
2009	Estimated	Nordeste	Piaui	11,765629	NA	NA
2010	Estimated	Nordeste	Piaui	10,116543	NA	NA
2011	Estimated	Nordeste	Piaui	5,98277	NA	NA
2012	Estimated	Nordeste	Piaui	8,339936	NA	NA
2013	Estimated	Nordeste	Piaui	0	NA	NA
2014	Estimated	Nordeste	Piaui	2,085897	NA	NA
2015	Estimated	Nordeste	Piaui	2,030333	NA	NA
2016	Estimated	Nordeste	Piaui	6,384881	NA	NA
2013	Forecast	Nordeste	Piaui	8,545631	1,7089853	15,38228
2014	Forecast	Nordeste	Piaui	8,729273	0	18,39775

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Piaui	8,256873	0	20,09829
2016	Forecast	Nordeste	Piaui	8,652009	0	22,3253
1994	Estimated	Nordeste	Rio Grande do Norte	0	NA	NA
1995	Estimated	Nordeste	Rio Grande do Norte	0	NA	NA
1996	Estimated	Nordeste	Rio Grande do Norte	0	NA	NA
1997	Estimated	Nordeste	Rio Grande do Norte	1,751682	NA	NA
1998	Estimated	Nordeste	Rio Grande do Norte	1,742342	NA	NA
1999	Estimated	Nordeste	Rio Grande do Norte	0	NA	NA
2000	Estimated	Nordeste	Rio Grande do Norte	5,315002	NA	NA
2001	Estimated	Nordeste	Rio Grande do Norte	1,868251	NA	NA
2002	Estimated	Nordeste	Rio Grande do Norte	1,877934	NA	NA
2003	Estimated	Nordeste	Rio Grande do Norte	5,734822	NA	NA
2004	Estimated	Nordeste	Rio Grande do Norte	0	NA	NA
2005	Estimated	Nordeste	Rio Grande do Norte	3,821899	NA	NA
2006	Estimated	Nordeste	Rio Grande do Norte	8,312206	NA	NA
2007	Estimated	Nordeste	Rio Grande do Norte	10,401065	NA	NA
2008	Estimated	Nordeste	Rio Grande do Norte	8,029388	NA	NA
2009	Estimated	Nordeste	Rio Grande do Norte	8,174777	NA	NA
2010	Estimated	Nordeste	Rio Grande do Norte	6,29353	NA	NA
2011	Estimated	Nordeste	Rio Grande do Norte	2,078959	NA	NA
2012	Estimated	Nordeste	Rio Grande do Norte	10,639883	NA	NA
2013	Estimated	Nordeste	Rio Grande do Norte	6,41053	NA	NA
2014	Estimated	Nordeste	Rio Grande do Norte	2,078527	NA	NA
2015	Estimated	Nordeste	Rio Grande do Norte	14,25691	NA	NA
2016	Estimated	Nordeste	Rio Grande do Norte	6,612882	NA	NA
2013	Forecast	Nordeste	Rio Grande do Norte	11,25118	3,83035	18,67201
2014	Forecast	Nordeste	Rio Grande do Norte	12,91858	2,423939	23,41321

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Rio Grande do Norte	15,5057	2,652448	28,35895
2016	Forecast	Nordeste	Rio Grande do Norte	12,56743	0	27,40909
1994	Estimated	Nordeste	Sergipe	5,426525	NA	NA
1995	Estimated	Nordeste	Sergipe	2,480405	NA	NA
1996	Estimated	Nordeste	Sergipe	0	NA	NA
1997	Estimated	Nordeste	Sergipe	2,357601	NA	NA
1998	Estimated	Nordeste	Sergipe	0	NA	NA
1999	Estimated	Nordeste	Sergipe	0	NA	NA
2000	Estimated	Nordeste	Sergipe	2,456037	NA	NA
2001	Estimated	Nordeste	Sergipe	0	NA	NA
2002	Estimated	Nordeste	Sergipe	5,393016	NA	NA
2003	Estimated	Nordeste	Sergipe	5,422405	NA	NA
2004	Estimated	Nordeste	Sergipe	5,582382	NA	NA
2005	Estimated	Nordeste	Sergipe	5,351887	NA	NA
2006	Estimated	Nordeste	Sergipe	2,698254	NA	NA
2007	Estimated	Nordeste	Sergipe	2,793218	NA	NA
2008	Estimated	Nordeste	Sergipe	0	NA	NA
2009	Estimated	Nordeste	Sergipe	5,696545	NA	NA
2010	Estimated	Nordeste	Sergipe	2,939793	NA	NA
2011	Estimated	Nordeste	Sergipe	8,589835	NA	NA
2012	Estimated	Nordeste	Sergipe	0	NA	NA
2013	Estimated	Nordeste	Sergipe	5,843169	NA	NA
2014	Estimated	Nordeste	Sergipe	8,728796	NA	NA
2015	Estimated	Nordeste	Sergipe	0	NA	NA
2016	Estimated	Nordeste	Sergipe	3,103855	NA	NA
2013	Forecast	Nordeste	Sergipe	7,385643	1,53447	13,236816
2014	Forecast	Nordeste	Sergipe	1,905361	0	7,873656

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Nordeste	Sergipe	5,691533	0	13,42072
2016	Forecast	Nordeste	Sergipe	2,0462	0	10,012112
1994	Estimated	Norte	Acre	0	NA	NA
1995	Estimated	Norte	Acre	0	NA	NA
1996	Estimated	Norte	Acre	0	NA	NA
1997	Estimated	Norte	Acre	0	NA	NA
1998	Estimated	Norte	Acre	7,523888	NA	NA
1999	Estimated	Norte	Acre	0	NA	NA
2000	Estimated	Norte	Acre	0	NA	NA
2001	Estimated	Norte	Acre	13,42372	NA	NA
2002	Estimated	Norte	Acre	6,312733	NA	NA
2003	Estimated	Norte	Acre	0	NA	NA
2004	Estimated	Norte	Acre	18,089725	NA	NA
2005	Estimated	Norte	Acre	5,720169	NA	NA
2006	Estimated	Norte	Acre	12,159533	NA	NA
2007	Estimated	Norte	Acre	0	NA	NA
2008	Estimated	Norte	Acre	5,557408	NA	NA
2009	Estimated	Norte	Acre	0	NA	NA
2010	Estimated	Norte	Acre	0	NA	NA
2011	Estimated	Norte	Acre	5,612617	NA	NA
2012	Estimated	Norte	Acre	5,988024	NA	NA
2013	Estimated	Norte	Acre	5,856515	NA	NA
2014	Estimated	Norte	Acre	0	NA	NA
2015	Estimated	Norte	Acre	0	NA	NA
2016	Estimated	Norte	Acre	12,679896	NA	NA
2013	Forecast	Norte	Acre	0	0	12,73417
2014	Forecast	Norte	Acre	0	0	15,41459

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Norte	Acre	0	0	17,0727
2016	Forecast	Norte	Acre	0	0	15,53112
1994	Estimated	Norte	Amapa	0	NA	NA
1995	Estimated	Norte	Amapa	0	NA	NA
1996	Estimated	Norte	Amapa	0	NA	NA
1997	Estimated	Norte	Amapa	6,983728	NA	NA
1998	Estimated	Norte	Amapa	0	NA	NA
1999	Estimated	Norte	Amapa	0	NA	NA
2000	Estimated	Norte	Amapa	0	NA	NA
2001	Estimated	Norte	Amapa	0	NA	NA
2002	Estimated	Norte	Amapa	7,044238	NA	NA
2003	Estimated	Norte	Amapa	0	NA	NA
2004	Estimated	Norte	Amapa	0	NA	NA
2005	Estimated	Norte	Amapa	0	NA	NA
2006	Estimated	Norte	Amapa	0	NA	NA
2007	Estimated	Norte	Amapa	13,864818	NA	NA
2008	Estimated	Norte	Amapa	6,620324	NA	NA
2009	Estimated	Norte	Amapa	13,98797	NA	NA
2010	Estimated	Norte	Amapa	0	NA	NA
2011	Estimated	Norte	Amapa	13,232764	NA	NA
2012	Estimated	Norte	Amapa	13,427325	NA	NA
2013	Estimated	Norte	Amapa	19,096117	NA	NA
2014	Estimated	Norte	Amapa	18,437711	NA	NA
2015	Estimated	Norte	Amapa	6,349206	NA	NA
2016	Estimated	Norte	Amapa	25,771535	NA	NA
2013	Forecast	Norte	Amapa	13,46223	1,45697806	25,46749
2014	Forecast	Norte	Amapa	13,32954	0,43925752	26,21982

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Norte	Amapa	15,89613	0,09044931	31,70182
2016	Forecast	Norte	Amapa	15,37471	0	32,44009
1994	Estimated	Norte	Amazonas	2,092926	NA	NA
1995	Estimated	Norte	Amazonas	2,08481	NA	NA
1996	Estimated	Norte	Amazonas	0	NA	NA
1997	Estimated	Norte	Amazonas	0	NA	NA
1998	Estimated	Norte	Amazonas	0	NA	NA
1999	Estimated	Norte	Amazonas	1,611941	NA	NA
2000	Estimated	Norte	Amazonas	2,956568	NA	NA
2001	Estimated	Norte	Amazonas	4,270341	NA	NA
2002	Estimated	Norte	Amazonas	8,490045	NA	NA
2003	Estimated	Norte	Amazonas	4,240223	NA	NA
2004	Estimated	Norte	Amazonas	12,614759	NA	NA
2005	Estimated	Norte	Amazonas	6,803832	NA	NA
2006	Estimated	Norte	Amazonas	10,584251	NA	NA
2007	Estimated	Norte	Amazonas	13,611183	NA	NA
2008	Estimated	Norte	Amazonas	18,659203	NA	NA
2009	Estimated	Norte	Amazonas	15,845977	NA	NA
2010	Estimated	Norte	Amazonas	22,914757	NA	NA
2011	Estimated	Norte	Amazonas	24,933729	NA	NA
2012	Estimated	Norte	Amazonas	14,205646	NA	NA
2013	Estimated	Norte	Amazonas	16,44716	NA	NA
2014	Estimated	Norte	Amazonas	16,020704	NA	NA
2015	Estimated	Norte	Amazonas	6,242431	NA	NA
2016	Estimated	Norte	Amazonas	9,12611	NA	NA
2013	Forecast	Norte	Amazonas	21,72324	13,449183	29,9973
2014	Forecast	Norte	Amazonas	17,69121	9,030229	26,3522

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Norte	Amazonas	22,03458	11,202073	32,86709
2016	Forecast	Norte	Amazonas	21,66658	10,193258	33,13991
1994	Estimated	Norte	Para	0	NA	NA
1995	Estimated	Norte	Para	1,0399443	NA	NA
1996	Estimated	Norte	Para	0	NA	NA
1997	Estimated	Norte	Para	0,9166323	NA	NA
1998	Estimated	Norte	Para	1,715987	NA	NA
1999	Estimated	Norte	Para	1,5696493	NA	NA
2000	Estimated	Norte	Para	0	NA	NA
2001	Estimated	Norte	Para	2,2264773	NA	NA
2002	Estimated	Norte	Para	3,6764706	NA	NA
2003	Estimated	Norte	Para	2,762202	NA	NA
2004	Estimated	Norte	Para	4,8987361	NA	NA
2005	Estimated	Norte	Para	8,9322523	NA	NA
2006	Estimated	Norte	Para	11,3180916	NA	NA
2007	Estimated	Norte	Para	4,6620978	NA	NA
2008	Estimated	Norte	Para	11,8998823	NA	NA
2009	Estimated	Norte	Para	6,2875506	NA	NA
2010	Estimated	Norte	Para	12,0835614	NA	NA
2011	Estimated	Norte	Para	9,1566061	NA	NA
2012	Estimated	Norte	Para	8,7059353	NA	NA
2013	Estimated	Norte	Para	8,6073334	NA	NA
2014	Estimated	Norte	Para	7,665345	NA	NA
2015	Estimated	Norte	Para	8,3532303	NA	NA
2016	Estimated	Norte	Para	6,5368497	NA	NA
2013	Forecast	Norte	Para	9,492584	3,4480768	15,53709
2014	Forecast	Norte	Para	9,283258	2,865433	15,70108

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Norte	Para	8,835754	0,9061582	16,76535
2016	Forecast	Norte	Para	8,315718	0	16,81136
1994	Estimated	Norte	Rondonia	0	NA	NA
1995	Estimated	Norte	Rondonia	3,450179	NA	NA
1996	Estimated	Norte	Rondonia	3,102411	NA	NA
1997	Estimated	Norte	Rondonia	0	NA	NA
1998	Estimated	Norte	Rondonia	0	NA	NA
1999	Estimated	Norte	Rondonia	0	NA	NA
2000	Estimated	Norte	Rondonia	3,194174	NA	NA
2001	Estimated	Norte	Rondonia	3,541578	NA	NA
2002	Estimated	Norte	Rondonia	3,420441	NA	NA
2003	Estimated	Norte	Rondonia	6,942275	NA	NA
2004	Estimated	Norte	Rondonia	3,456978	NA	NA
2005	Estimated	Norte	Rondonia	10,68338	NA	NA
2006	Estimated	Norte	Rondonia	4,012036	NA	NA
2007	Estimated	Norte	Rondonia	4,348582	NA	NA
2008	Estimated	Norte	Rondonia	11,19779	NA	NA
2009	Estimated	Norte	Rondonia	0	NA	NA
2010	Estimated	Norte	Rondonia	7,741436	NA	NA
2011	Estimated	Norte	Rondonia	7,231181	NA	NA
2012	Estimated	Norte	Rondonia	3,771735	NA	NA
2013	Estimated	Norte	Rondonia	3,690445	NA	NA
2014	Estimated	Norte	Rondonia	7,256894	NA	NA
2015	Estimated	Norte	Rondonia	3,581918	NA	NA
2016	Estimated	Norte	Rondonia	0	NA	NA
2013	Forecast	Norte	Rondonia	6,123559	1,0877771	11,159341
2014	Forecast	Norte	Rondonia	4,585563	0	9,697757

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Norte	Rondonia	3,045627	0	8,63335
2016	Forecast	Norte	Rondonia	4,619038	0	10,986271
1994	Estimated	Norte	Roraima	23,245	NA	NA
1995	Estimated	Norte	Roraima	0	NA	NA
1996	Estimated	Norte	Roraima	0	NA	NA
1997	Estimated	Norte	Roraima	0	NA	NA
1998	Estimated	Norte	Roraima	0	NA	NA
1999	Estimated	Norte	Roraima	10,34233	NA	NA
2000	Estimated	Norte	Roraima	10,26273	NA	NA
2001	Estimated	Norte	Roraima	20,83333	NA	NA
2002	Estimated	Norte	Roraima	0	NA	NA
2003	Estimated	Norte	Roraima	0	NA	NA
2004	Estimated	Norte	Roraima	0	NA	NA
2005	Estimated	Norte	Roraima	10,31566	NA	NA
2006	Estimated	Norte	Roraima	0	NA	NA
2007	Estimated	Norte	Roraima	10,43623	NA	NA
2008	Estimated	Norte	Roraima	0	NA	NA
2009	Estimated	Norte	Roraima	0	NA	NA
2010	Estimated	Norte	Roraima	0	NA	NA
2011	Estimated	Norte	Roraima	10,0553	NA	NA
2012	Estimated	Norte	Roraima	0	NA	NA
2013	Estimated	Norte	Roraima	0	NA	NA
2014	Estimated	Norte	Roraima	17,98561	NA	NA
2015	Estimated	Norte	Roraima	17,52541	NA	NA
2016	Estimated	Norte	Roraima	0	NA	NA
2013	Forecast	Norte	Roraima	5,5612748	0	21,92996
2014	Forecast	Norte	Roraima	0	0	16,43508

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Norte	Roraima	4,4294829	0	25,89547
2016	Forecast	Norte	Roraima	1,5960394	0	24,56921
1994	Estimated	Norte	Tocantins	0	NA	NA
1995	Estimated	Norte	Tocantins	0	NA	NA
1996	Estimated	Norte	Tocantins	0	NA	NA
1997	Estimated	Norte	Tocantins	0	NA	NA
1998	Estimated	Norte	Tocantins	0	NA	NA
1999	Estimated	Norte	Tocantins	0	NA	NA
2000	Estimated	Norte	Tocantins	0	NA	NA
2001	Estimated	Norte	Tocantins	0	NA	NA
2002	Estimated	Norte	Tocantins	3,806044	NA	NA
2003	Estimated	Norte	Tocantins	7,676659	NA	NA
2004	Estimated	Norte	Tocantins	3,895143	NA	NA
2005	Estimated	Norte	Tocantins	11,377427	NA	NA
2006	Estimated	Norte	Tocantins	3,842016	NA	NA
2007	Estimated	Norte	Tocantins	3,998241	NA	NA
2008	Estimated	Norte	Tocantins	7,778167	NA	NA
2009	Estimated	Norte	Tocantins	4,014291	NA	NA
2010	Estimated	Norte	Tocantins	4,08647	NA	NA
2011	Estimated	Norte	Tocantins	0	NA	NA
2012	Estimated	Norte	Tocantins	12,297602	NA	NA
2013	Estimated	Norte	Tocantins	0	NA	NA
2014	Estimated	Norte	Tocantins	0	NA	NA
2015	Estimated	Norte	Tocantins	3,982477	NA	NA
2016	Estimated	Norte	Tocantins	0	NA	NA
2013	Forecast	Norte	Tocantins	15,76861	7,090488	24,44674
2014	Forecast	Norte	Tocantins	18,83913	6,566407	31,11185

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Norte	Tocantins	18,19029	3,15934	33,22124
2016	Forecast	Norte	Tocantins	13,23232	0	30,58857
1994	Estimated	Sudeste	Espirito Santo	14,761782	NA	NA
1995	Estimated	Sudeste	Espirito Santo	15,052684	NA	NA
1996	Estimated	Sudeste	Espirito Santo	17,972036	NA	NA
1997	Estimated	Sudeste	Espirito Santo	24,921911	NA	NA
1998	Estimated	Sudeste	Espirito Santo	18,795065	NA	NA
1999	Estimated	Sudeste	Espirito Santo	21,381579	NA	NA
2000	Estimated	Sudeste	Espirito Santo	17,129154	NA	NA
2001	Estimated	Sudeste	Espirito Santo	12,260912	NA	NA
2002	Estimated	Sudeste	Espirito Santo	9,078364	NA	NA
2003	Estimated	Sudeste	Espirito Santo	22,464758	NA	NA
2004	Estimated	Sudeste	Espirito Santo	28,172718	NA	NA
2005	Estimated	Sudeste	Espirito Santo	5,7253	NA	NA
2006	Estimated	Sudeste	Espirito Santo	5,831017	NA	NA
2007	Estimated	Sudeste	Espirito Santo	13,72011	NA	NA
2008	Estimated	Sudeste	Espirito Santo	9,64283	NA	NA
2009	Estimated	Sudeste	Espirito Santo	19,433702	NA	NA
2010	Estimated	Sudeste	Espirito Santo	23,142345	NA	NA
2011	Estimated	Sudeste	Espirito Santo	20,733983	NA	NA
2012	Estimated	Sudeste	Espirito Santo	18,926848	NA	NA
2013	Estimated	Sudeste	Espirito Santo	7,398502	NA	NA
2014	Estimated	Sudeste	Espirito Santo	5,305227	NA	NA
2015	Estimated	Sudeste	Espirito Santo	12,293427	NA	NA
2016	Estimated	Sudeste	Espirito Santo	9,361017	NA	NA
2013	Forecast	Sudeste	Espirito Santo	20,47468	3,4948592	37,45451
2014	Forecast	Sudeste	Espirito Santo	23,84803	0	47,86113

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Sudeste	Espirito Santo	33,87942	4,4694969	63,28934
2016	Forecast	Sudeste	Espirito Santo	36,47213	2,5124751	70,43178
1994	Estimated	Sudeste	Minas Gerais	16,091658	NA	NA
1995	Estimated	Sudeste	Minas Gerais	10,586664	NA	NA
1996	Estimated	Sudeste	Minas Gerais	14,209147	NA	NA
1997	Estimated	Sudeste	Minas Gerais	10,936703	NA	NA
1998	Estimated	Sudeste	Minas Gerais	11,849785	NA	NA
1999	Estimated	Sudeste	Minas Gerais	7,798512	NA	NA
2000	Estimated	Sudeste	Minas Gerais	4,984084	NA	NA
2001	Estimated	Sudeste	Minas Gerais	6,029383	NA	NA
2002	Estimated	Sudeste	Minas Gerais	7,379866	NA	NA
2003	Estimated	Sudeste	Minas Gerais	8,774886	NA	NA
2004	Estimated	Sudeste	Minas Gerais	10,08315	NA	NA
2005	Estimated	Sudeste	Minas Gerais	8,649646	NA	NA
2006	Estimated	Sudeste	Minas Gerais	9,017709	NA	NA
2007	Estimated	Sudeste	Minas Gerais	5,780235	NA	NA
2008	Estimated	Sudeste	Minas Gerais	3,832651	NA	NA
2009	Estimated	Sudeste	Minas Gerais	5,144929	NA	NA
2010	Estimated	Sudeste	Minas Gerais	5,095521	NA	NA
2011	Estimated	Sudeste	Minas Gerais	5,002636	NA	NA
2012	Estimated	Sudeste	Minas Gerais	4,605748	NA	NA
2013	Estimated	Sudeste	Minas Gerais	4,253098	NA	NA
2014	Estimated	Sudeste	Minas Gerais	4,492195	NA	NA
2015	Estimated	Sudeste	Minas Gerais	4,845232	NA	NA
2016	Estimated	Sudeste	Minas Gerais	3,550016	NA	NA
2013	Forecast	Sudeste	Minas Gerais	5,001666	1,501444	8,501887
2014	Forecast	Sudeste	Minas Gerais	6,683554	1,733493	11,633615

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Sudeste	Minas Gerais	8,662776	2,600215	14,725338
2016	Forecast	Sudeste	Minas Gerais	9,057458	2,057015	16,057901
1994	Estimated	Sudeste	Rio de Janeiro	8,949447	NA	NA
1995	Estimated	Sudeste	Rio de Janeiro	11,633885	NA	NA
1996	Estimated	Sudeste	Rio de Janeiro	16,011975	NA	NA
1997	Estimated	Sudeste	Rio de Janeiro	11,897326	NA	NA
1998	Estimated	Sudeste	Rio de Janeiro	17,809853	NA	NA
1999	Estimated	Sudeste	Rio de Janeiro	13,04933	NA	NA
2000	Estimated	Sudeste	Rio de Janeiro	15,822907	NA	NA
2001	Estimated	Sudeste	Rio de Janeiro	16,504374	NA	NA
2002	Estimated	Sudeste	Rio de Janeiro	23,683213	NA	NA
2003	Estimated	Sudeste	Rio de Janeiro	24,111429	NA	NA
2004	Estimated	Sudeste	Rio de Janeiro	29,142979	NA	NA
2005	Estimated	Sudeste	Rio de Janeiro	33,618116	NA	NA
2006	Estimated	Sudeste	Rio de Janeiro	29,299334	NA	NA
2007	Estimated	Sudeste	Rio de Janeiro	18,904812	NA	NA
2008	Estimated	Sudeste	Rio de Janeiro	19,921795	NA	NA
2009	Estimated	Sudeste	Rio de Janeiro	15,233699	NA	NA
2010	Estimated	Sudeste	Rio de Janeiro	19,511107	NA	NA
2011	Estimated	Sudeste	Rio de Janeiro	17,225514	NA	NA
2012	Estimated	Sudeste	Rio de Janeiro	11,217855	NA	NA
2013	Estimated	Sudeste	Rio de Janeiro	11,605537	NA	NA
2014	Estimated	Sudeste	Rio de Janeiro	14,983903	NA	NA
2015	Estimated	Sudeste	Rio de Janeiro	13,504389	NA	NA
2016	Estimated	Sudeste	Rio de Janeiro	11,408805	NA	NA
2013	Forecast	Sudeste	Rio de Janeiro	11,60933	1,160398	22,05826
2014	Forecast	Sudeste	Rio de Janeiro	12,84847	0	27,62549

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Sudeste	Rio de Janeiro	15,00493	0	33,10301
2016	Forecast	Sudeste	Rio de Janeiro	16,20091	0	37,09877
1994	Estimated	Sudeste	Sao Paulo	21,027383	NA	NA
1995	Estimated	Sudeste	Sao Paulo	24,010298	NA	NA
1996	Estimated	Sudeste	Sao Paulo	28,325653	NA	NA
1997	Estimated	Sudeste	Sao Paulo	23,506048	NA	NA
1998	Estimated	Sudeste	Sao Paulo	16,873061	NA	NA
1999	Estimated	Sudeste	Sao Paulo	17,916431	NA	NA
2000	Estimated	Sudeste	Sao Paulo	19,192211	NA	NA
2001	Estimated	Sudeste	Sao Paulo	16,44313	NA	NA
2002	Estimated	Sudeste	Sao Paulo	14,439228	NA	NA
2003	Estimated	Sudeste	Sao Paulo	9,99091	NA	NA
2004	Estimated	Sudeste	Sao Paulo	8,736733	NA	NA
2005	Estimated	Sudeste	Sao Paulo	9,533351	NA	NA
2006	Estimated	Sudeste	Sao Paulo	9,115498	NA	NA
2007	Estimated	Sudeste	Sao Paulo	7,893747	NA	NA
2008	Estimated	Sudeste	Sao Paulo	7,976138	NA	NA
2009	Estimated	Sudeste	Sao Paulo	7,85332	NA	NA
2010	Estimated	Sudeste	Sao Paulo	5,321343	NA	NA
2011	Estimated	Sudeste	Sao Paulo	7,046616	NA	NA
2012	Estimated	Sudeste	Sao Paulo	5,189683	NA	NA
2013	Estimated	Sudeste	Sao Paulo	3,764962	NA	NA
2014	Estimated	Sudeste	Sao Paulo	3,356311	NA	NA
2015	Estimated	Sudeste	Sao Paulo	4,416223	NA	NA
2016	Estimated	Sudeste	Sao Paulo	2,992832	NA	NA
2013	Forecast	Sudeste	Sao Paulo	5,432292	1,691097	9,1734879
2014	Forecast	Sudeste	Sao Paulo	1,905545	0	7,1963948

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Sudeste	Sao Paulo	0	0	1,2598587
2016	Forecast	Sudeste	Sao Paulo	0	0	0
1994	Estimated	Sul	Parana	2,977224	NA	NA
1995	Estimated	Sul	Parana	8,680644	NA	NA
1996	Estimated	Sul	Parana	9,672706	NA	NA
1997	Estimated	Sul	Parana	12,969698	NA	NA
1998	Estimated	Sul	Parana	19,959218	NA	NA
1999	Estimated	Sul	Parana	19,820544	NA	NA
2000	Estimated	Sul	Parana	10,029978	NA	NA
2001	Estimated	Sul	Parana	13,152388	NA	NA
2002	Estimated	Sul	Parana	12,112036	NA	NA
2003	Estimated	Sul	Parana	10,805108	NA	NA
2004	Estimated	Sul	Parana	14,407778	NA	NA
2005	Estimated	Sul	Parana	8,732317	NA	NA
2006	Estimated	Sul	Parana	9,114702	NA	NA
2007	Estimated	Sul	Parana	7,454898	NA	NA
2008	Estimated	Sul	Parana	7,942181	NA	NA
2009	Estimated	Sul	Parana	6,701649	NA	NA
2010	Estimated	Sul	Parana	7,892089	NA	NA
2011	Estimated	Sul	Parana	5,232109	NA	NA
2012	Estimated	Sul	Parana	5,846244	NA	NA
2013	Estimated	Sul	Parana	5,778194	NA	NA
2014	Estimated	Sul	Parana	1,250664	NA	NA
2015	Estimated	Sul	Parana	6,213225	NA	NA
2016	Estimated	Sul	Parana	3,86932	NA	NA
2013	Forecast	Sul	Parana	4,661137	0	11,63596
2014	Forecast	Sul	Parana	5,444735	0	15,30862

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Sul	Parana	7,358802	0	19,43955
2016	Forecast	Sul	Parana	8,026239	0	21,97588
1994	Estimated	Sul	Rio Grande do Sul	18,021265	NA	NA
1995	Estimated	Sul	Rio Grande do Sul	22,298793	NA	NA
1996	Estimated	Sul	Rio Grande do Sul	42,275173	NA	NA
1997	Estimated	Sul	Rio Grande do Sul	32,639965	NA	NA
1998	Estimated	Sul	Rio Grande do Sul	34,358841	NA	NA
1999	Estimated	Sul	Rio Grande do Sul	28,138985	NA	NA
2000	Estimated	Sul	Rio Grande do Sul	32,820466	NA	NA
2001	Estimated	Sul	Rio Grande do Sul	36,116819	NA	NA
2002	Estimated	Sul	Rio Grande do Sul	35,424221	NA	NA
2003	Estimated	Sul	Rio Grande do Sul	33,519928	NA	NA
2004	Estimated	Sul	Rio Grande do Sul	32,676535	NA	NA
2005	Estimated	Sul	Rio Grande do Sul	29,212155	NA	NA
2006	Estimated	Sul	Rio Grande do Sul	26,887236	NA	NA
2007	Estimated	Sul	Rio Grande do Sul	39,729837	NA	NA
2008	Estimated	Sul	Rio Grande do Sul	29,598277	NA	NA
2009	Estimated	Sul	Rio Grande do Sul	24,690989	NA	NA
2010	Estimated	Sul	Rio Grande do Sul	24,016271	NA	NA
2011	Estimated	Sul	Rio Grande do Sul	29,772711	NA	NA
2012	Estimated	Sul	Rio Grande do Sul	18,712979	NA	NA
2013	Estimated	Sul	Rio Grande do Sul	11,31942	NA	NA
2014	Estimated	Sul	Rio Grande do Sul	16,048564	NA	NA
2015	Estimated	Sul	Rio Grande do Sul	8,762529	NA	NA
2016	Estimated	Sul	Rio Grande do Sul	14,143171	NA	NA
2013	Forecast	Sul	Rio Grande do Sul	18,37641	1,650884	35,10193
2014	Forecast	Sul	Rio Grande do Sul	18,45948	0	42,11294

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Sul	Rio Grande do Sul	18,19524	0	47,1647
2016	Forecast	Sul	Rio Grande do Sul	17,8253	0	51,27635
1994	Estimated	Sul	Santa Catarina	44,428336	NA	NA
1995	Estimated	Sul	Santa Catarina	31,384142	NA	NA
1996	Estimated	Sul	Santa Catarina	32,898016	NA	NA
1997	Estimated	Sul	Santa Catarina	47,074716	NA	NA
1998	Estimated	Sul	Santa Catarina	35,371347	NA	NA
1999	Estimated	Sul	Santa Catarina	25,289821	NA	NA
2000	Estimated	Sul	Santa Catarina	21,090817	NA	NA
2001	Estimated	Sul	Santa Catarina	31,783148	NA	NA
2002	Estimated	Sul	Santa Catarina	24,495509	NA	NA
2003	Estimated	Sul	Santa Catarina	24,045109	NA	NA
2004	Estimated	Sul	Santa Catarina	12,86926	NA	NA
2005	Estimated	Sul	Santa Catarina	8,275797	NA	NA
2006	Estimated	Sul	Santa Catarina	22,583291	NA	NA
2007	Estimated	Sul	Santa Catarina	10,988608	NA	NA
2008	Estimated	Sul	Santa Catarina	7,037133	NA	NA
2009	Estimated	Sul	Santa Catarina	19,164201	NA	NA
2010	Estimated	Sul	Santa Catarina	7,091277	NA	NA
2011	Estimated	Sul	Santa Catarina	12,574159	NA	NA
2012	Estimated	Sul	Santa Catarina	13,517776	NA	NA
2013	Estimated	Sul	Santa Catarina	8,901252	NA	NA
2014	Estimated	Sul	Santa Catarina	7,508152	NA	NA
2015	Estimated	Sul	Santa Catarina	8,228506	NA	NA
2016	Estimated	Sul	Santa Catarina	3,147524	NA	NA
2013	Forecast	Sul	Santa Catarina	9,119921	0	27,51607
2014	Forecast	Sul	Santa Catarina	3,027364	0	29,04345

Year	Data point	Brazilian region	Federative unit (state)	HIV-1 MTCT prevalence (per 100,000 live births)	HIV-1 MTCT prevalence 95% CI lower limit	HIV-1 MTCT prevalence 95% CI upper limit
2015	Forecast	Sul	Santa Catarina	0	0	26,53103
2016	Forecast	Sul	Santa Catarina	0	0	21,78091