



Minister Zdrowia

Warszawa, 07 sierpnia 2020

ROO.0164.4.2020.AP

Członkowie Zarządu  
Sieć Obywatelska - Watchdog  
Polska  
02-605 Warszawa  
ul. Ursynowska 22/2

*Szanowni Państwo,*

w nawiązaniu do wniosku z dnia 16 lipca 2020r. o udostępnienie informacji publicznej w trybie ustawy z dnia 6 września 2001 r. o dostępie do informacji publicznej (Dz. U. z 2019 r. poz.1429), uprzejmie proszę o przyjęcie poniższego.

Ministerstwa Zdrowia dysponuje raportami dot. oszacowania efektywnego współczynnika reprodukcji dla Polski i województw, tworzonych metodą wiarygodności. Istotne są dodane przedziały ufności, które wskazują na możliwe szerokie spektrum wartości. Jednocześnie informuję, iż ww. współczynnik nie jest liczony do poziomu powiatu. W załączeniu udostępniam raporty tworzone cyklicznie co 2-3 dni z jak najświeższych danych.

Dodatkowo informuję iż ww. współczynnik wyliczany jest także przez zespół ekspertów przy Uniwersytecie Warszawskim powołany przez Ministra Zdrowia, którzy swoje wyniki zamieszczają na stronie: [https://covid19.mimuw.edu.pl/opracowania\\_województwa.html](https://covid19.mimuw.edu.pl/opracowania_województwa.html)

Z poważaniem  
z upoważnienia Ministra Zdrowia  
Waldemar Kraska  
Sekretarz Stanu

/dokument podpisany elektronicznie/

Załącznik: Raporty dot. współczynnika reprodukcji

# Estymacja efektywnego współczynnika reprodukcji $Re(n)$ wirusa SARS-CoV-2 w Polsce

Klaudiusz Witczak      Departament Analiz i Strategii      Ministerstwo Zdrowia

30.07.2020 r.

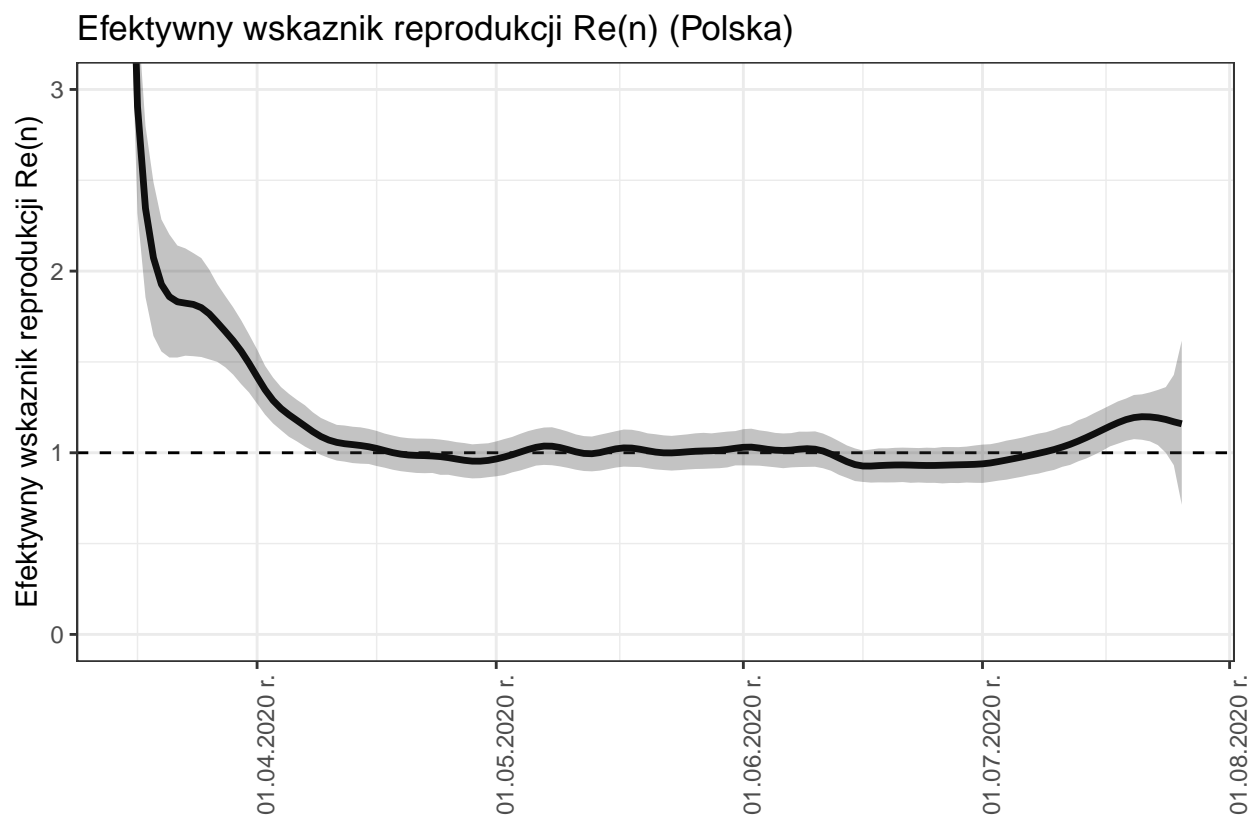
## Metodologia

Miara  $Re(n)$  stanowi efektywny współczynnik reprodukcji w  $n$ -tym dniu trwania pandemii i odpowiada **liczbie osób, jaką w  $n$ -tym dniu przeciętnie zaraża pojedynczy nosiciel wirusa SARS-CoV-2**. Wraz z rozwojem pandemii oszacowanie wartości efektywnego współczynnika reprodukcji ulega zmianie każdego dnia. Napływ nowych informacji o zarażeniach wirusem SARS-CoV-2 pozwala na aktualizację oszacowania wartości efektywnego współczynnika reprodukcji na przestrzeni całego okresu trwania epidemii oraz zmniejszenie bądź zwiększenie jego niepewności, odzwierciedlonej w postaci przedziałów ufności - im węższe, tym większa pewność co do oszacowania. W celu całkowitego wyeliminowania wirusa z populacji wartość efektywnego współczynnika reprodukcji musi w długim okresie znajdować się znacznie poniżej jedności.

Estymatory efektywnego współczynnika reprodukcji  $Re(n)$  uzyskano za pomocą metody największej wiarygodności (MLE), ich przedziały ufności zaś w wyniku symulacji Monte Carlo. Ważne pojęcie przy szacowaniu efektywnego współczynnika reprodukcji stanowi interwał seryjny, czyli **przeciętny czas od wystąpienia objawów u pacjenta pierwszorzędnego do wystąpienia objawów u pacjenta drugorzędnego** (zarażonego od pacjenta pierwszorzędnego). Bardzo istotny jest fakt, że interwał seryjny bada się wyłącznie w przypadku pewnych łańcuchów transmisji. Z uwagi na brak przedsięwziętych w tym zakresie badań epidemiologicznych w Polsce, jak również brak możliwości wyodrębnienia całkowicie pewnych łańcuchów transmisji na podstawie danych z rejestru IKARD, nie da się oszacować interwału seryjnego dla transmisji wirusa SARS-CoV-2 w Polsce. Do estymacji wartości efektywnego współczynnika reprodukcji wykorzystano przesłanki z literatury (Nishura et al., **Serial Interval of Novel Coronavirus (COVID-19) Infections, International Journal of Infectious Diseases, 93/2020, s. 284-286**). Przyjęto, że interwał seryjny przyjmuje rozkład Weibulla ze średnią 4,8 dnia oraz odchyleniem standardowym 2,3 dnia.

W celu zniwelowania wpływu pojedynczych obserwacji na estymację efektywnego współczynnika reprodukcji (zarówno ognisk zakażeń w DPS-ach, kopalniach, jak i artefaktów sprawozdawczości, np. mniejszej liczby testów wykonywanych podczas weekendów) jego wartości oszacowano na podstawie danych dot. dziennych zarażeń wirusem SARS-CoV-2 wygładzonych 14-dniową średnią ruchomą ważoną ilorazem liczby testów PCR wykonanych w danym dniu i liczby testów PCR wykonanych w całym 14-dniowym okresie.

# Polska



dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-16	4.4054434	3.7494168	4.918590
2	2020-03-17	2.9060774	2.3180488	3.440854
3	2020-03-18	2.3454586	1.8563639	2.799279
4	2020-03-19	2.0733837	1.6432159	2.490499
5	2020-03-20	1.9271233	1.5573644	2.284134
6	2020-03-21	1.8590546	1.5242910	2.201754
7	2020-03-22	1.8310736	1.5241863	2.140916
8	2020-03-23	1.8235074	1.5343568	2.125005
9	2020-03-24	1.8167033	1.5315340	2.099258
10	2020-03-25	1.7988954	1.5272062	2.071791
11	2020-03-26	1.7648222	1.5140201	2.008394
12	2020-03-27	1.7177548	1.5006773	1.929442
13	2020-03-28	1.6684086	1.4710950	1.863863
14	2020-03-29	1.6173385	1.4300880	1.800611
15	2020-03-30	1.5594354	1.3779107	1.729845
16	2020-03-31	1.4918240	1.3311858	1.650804
17	2020-04-01	1.4184530	1.2703597	1.568989
18	2020-04-02	1.3471327	1.2099512	1.478829
19	2020-04-03	1.2881340	1.1616695	1.414158
20	2020-04-04	1.2435533	1.1242795	1.361903
21	2020-04-05	1.2090175	1.0877442	1.324059
22	2020-04-06	1.1782479	1.0623996	1.291277

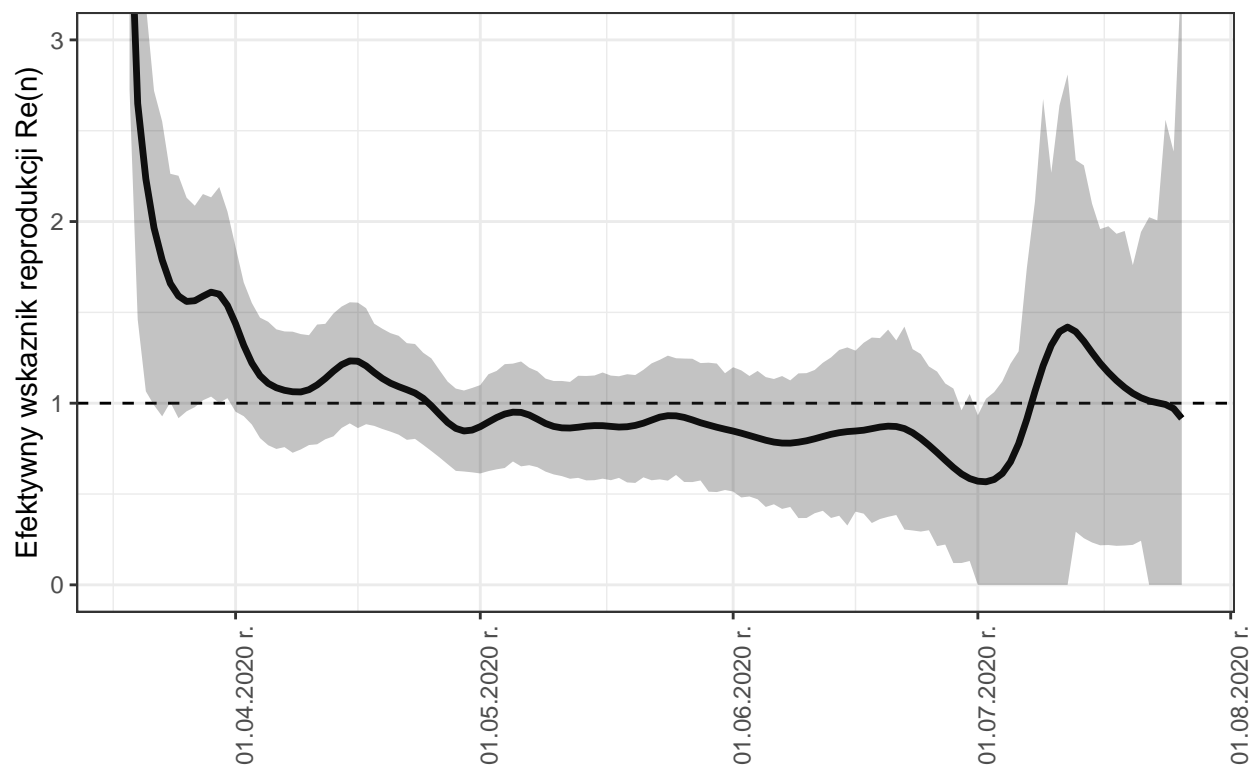
dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-07	1.1471641	1.0341272	1.261372
24	2020-04-08	1.1161380	1.0111338	1.222553
25	2020-04-09	1.0893989	0.9883697	1.191858
26	2020-04-10	1.0698045	0.9713657	1.171943
27	2020-04-11	1.0570840	0.9569872	1.153511
28	2020-04-12	1.0496074	0.9511073	1.149846
29	2020-04-13	1.0448548	0.9431510	1.143213
30	2020-04-14	1.0398210	0.9399133	1.139715
31	2020-04-15	1.0331197	0.9382894	1.131549
32	2020-04-16	1.0237623	0.9270662	1.120322
33	2020-04-17	1.0120921	0.9177401	1.105645
34	2020-04-18	1.0008717	0.9066836	1.094913
35	2020-04-19	0.9926140	0.8986881	1.085359
36	2020-04-20	0.9875503	0.8935898	1.080310
37	2020-04-21	0.9853384	0.8887921	1.077897
38	2020-04-22	0.9842658	0.8875347	1.077721
39	2020-04-23	0.9822673	0.8886806	1.076776
40	2020-04-24	0.9788729	0.8784798	1.072466
41	2020-04-25	0.9730370	0.8787483	1.066657
42	2020-04-26	0.9656844	0.8706084	1.058549
43	2020-04-27	0.9584989	0.8636622	1.053448
44	2020-04-28	0.9538020	0.8588388	1.046370
45	2020-04-29	0.9536748	0.8601905	1.049488
46	2020-04-30	0.9578114	0.8655049	1.052182
47	2020-05-01	0.9657838	0.8703355	1.062450
48	2020-05-02	0.9764116	0.8774157	1.075351
49	2020-05-03	0.9891072	0.8921150	1.087080
50	2020-05-04	1.0034328	0.9021562	1.103954
51	2020-05-05	1.0178469	0.9157225	1.119216
52	2020-05-06	1.0298463	0.9294252	1.130301
53	2020-05-07	1.0368026	0.9332101	1.138885
54	2020-05-08	1.0360289	0.9313199	1.140270
55	2020-05-09	1.0286952	0.9249739	1.129227
56	2020-05-10	1.0172228	0.9167609	1.116308
57	2020-05-11	1.0048886	0.9065681	1.100833
58	2020-05-12	0.9963560	0.8995283	1.091688
59	2020-05-13	0.9946448	0.8975960	1.089156
60	2020-05-14	1.0008212	0.9016626	1.099249
61	2020-05-15	1.0116277	0.9096595	1.108556
62	2020-05-16	1.0213360	0.9184604	1.118638
63	2020-05-17	1.0266687	0.9236710	1.127944
64	2020-05-18	1.0257399	0.9222094	1.126496
65	2020-05-19	1.0195115	0.9213437	1.118573
66	2020-05-20	1.0112354	0.9144513	1.106821
67	2020-05-21	1.0036191	0.9082437	1.101893
68	2020-05-22	0.9994759	0.9048849	1.095674
69	2020-05-23	0.9993054	0.9019337	1.092903
70	2020-05-24	1.0017512	0.9044718	1.097091
71	2020-05-25	1.0052007	0.9079852	1.101422
72	2020-05-26	1.0082858	0.9105948	1.106942
73	2020-05-27	1.0099644	0.9114756	1.109622
74	2020-05-28	1.0111905	0.9133623	1.106681

dzień	data	Re(n)	dolna granica CI	górną granica CI
75	2020-05-29	1.0135616	0.9149752	1.111627
76	2020-05-30	1.0185365	0.9193919	1.116404
77	2020-05-31	1.0248472	0.9303825	1.119264
78	2020-06-01	1.0301372	0.9303784	1.129946
79	2020-06-02	1.0309413	0.9297319	1.132477
80	2020-06-03	1.0258627	0.9289384	1.123495
81	2020-06-04	1.0191491	0.9243225	1.117662
82	2020-06-05	1.0142799	0.9199723	1.109367
83	2020-06-06	1.0124432	0.9149443	1.106322
84	2020-06-07	1.0147453	0.9193529	1.108004
85	2020-06-08	1.0194716	0.9212803	1.116218
86	2020-06-09	1.0224989	0.9221560	1.115932
87	2020-06-10	1.0196909	0.9228627	1.117719
88	2020-06-11	1.0094494	0.9146915	1.105701
89	2020-06-12	0.9921209	0.9010027	1.086426
90	2020-06-13	0.9711889	0.8782491	1.063686
91	2020-06-14	0.9507218	0.8617148	1.040176
92	2020-06-15	0.9349040	0.8442243	1.024059
93	2020-06-16	0.9270480	0.8394129	1.012307
94	2020-06-17	0.9267612	0.8356809	1.017816
95	2020-06-18	0.9293177	0.8368016	1.024018
96	2020-06-19	0.9312145	0.8363819	1.023799
97	2020-06-20	0.9326077	0.8370198	1.027123
98	2020-06-21	0.9328495	0.8387559	1.028338
99	2020-06-22	0.9320147	0.8345539	1.027143
100	2020-06-23	0.9306298	0.8363050	1.025802
101	2020-06-24	0.9299867	0.8343007	1.027978
102	2020-06-25	0.9301211	0.8344434	1.026545
103	2020-06-26	0.9312824	0.8312524	1.031369
104	2020-06-27	0.9326493	0.8338494	1.031340
105	2020-06-28	0.9338268	0.8330588	1.030950
106	2020-06-29	0.9347865	0.8361904	1.033894
107	2020-06-30	0.9360960	0.8345858	1.039972
108	2020-07-01	0.9388889	0.8339478	1.044907
109	2020-07-02	0.9438685	0.8396378	1.047078
110	2020-07-03	0.9514838	0.8465860	1.055662
111	2020-07-04	0.9599445	0.8518878	1.066620
112	2020-07-05	0.9683527	0.8602944	1.074490
113	2020-07-06	0.9771870	0.8683505	1.083673
114	2020-07-07	0.9865325	0.8778188	1.094608
115	2020-07-08	0.9963898	0.8850332	1.105388
116	2020-07-09	1.0065867	0.8963406	1.113197
117	2020-07-10	1.0178978	0.9056863	1.126759
118	2020-07-11	1.0313943	0.9224746	1.144014
119	2020-07-12	1.0465392	0.9332465	1.154937
120	2020-07-13	1.0640277	0.9525272	1.178977
121	2020-07-14	1.0832206	0.9681630	1.194908
122	2020-07-15	1.1035554	0.9884053	1.217856
123	2020-07-16	1.1249675	1.0102705	1.239078
124	2020-07-17	1.1460683	1.0351967	1.260995
125	2020-07-18	1.1656392	1.0502031	1.282821
126	2020-07-19	1.1824087	1.0655293	1.298393

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-20	1.1937331	1.0750394	1.318028
128	2020-07-21	1.1986088	1.0716029	1.321644
129	2020-07-22	1.1974230	1.0630133	1.332131
130	2020-07-23	1.1922522	1.0421721	1.345662
131	2020-07-24	1.1831381	1.0000166	1.361367
132	2020-07-25	1.1704345	0.9316169	1.428479
133	2020-07-26	1.1593918	0.7135652	1.617414

## Woj. dolnośląskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. dolnoslaskie)



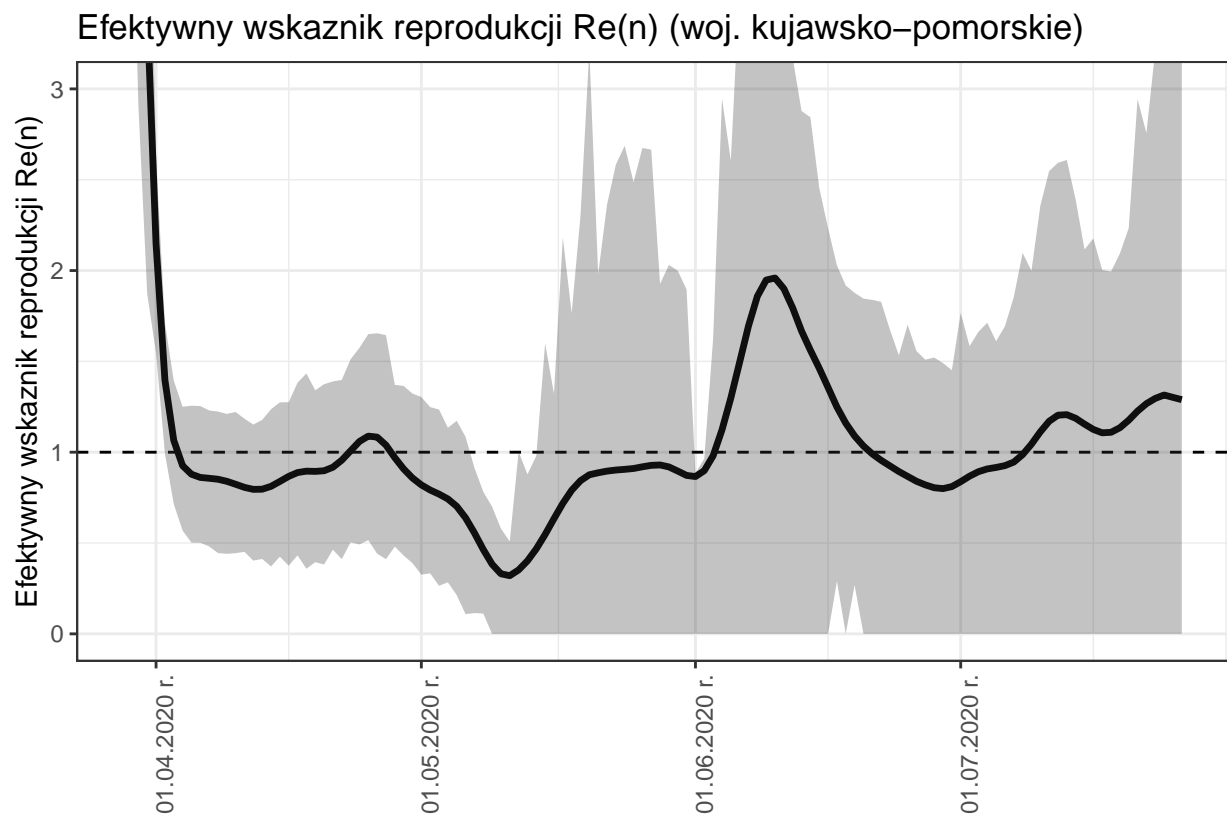
dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-19	3.8704204	2.7277190	4.6531677
2	2020-03-20	2.6500297	1.4614208	3.5723620
3	2020-03-21	2.2348527	1.0652432	3.1957295
4	2020-03-22	1.9650363	0.9891597	2.7201891
5	2020-03-23	1.7885517	0.9276344	2.5509945
6	2020-03-24	1.6591715	1.0057582	2.2629559
7	2020-03-25	1.5903177	0.9175293	2.2521174
8	2020-03-26	1.5602268	0.9553992	2.1312752
9	2020-03-27	1.5639571	0.9783143	2.0870705
10	2020-03-28	1.5888001	1.0159329	2.1513872
11	2020-03-29	1.6112290	1.0362013	2.1333557
12	2020-03-30	1.6002378	1.0011722	2.1900642
13	2020-03-31	1.5383404	1.0276524	2.0553047
14	2020-04-01	1.4373698	0.9529632	1.8605471
15	2020-04-02	1.3183188	0.9285464	1.6649798
16	2020-04-03	1.2206402	0.8822361	1.5515186
17	2020-04-04	1.1510466	0.8076245	1.4710303
18	2020-04-05	1.1091350	0.7684723	1.4482747
19	2020-04-06	1.0849480	0.7482264	1.4066657
20	2020-04-07	1.0709125	0.7581360	1.3949703
21	2020-04-08	1.0629350	0.7271179	1.3936427
22	2020-04-09	1.0619219	0.7453875	1.3803472

dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-10	1.0744555	0.7696789	1.3744266
24	2020-04-11	1.1005669	0.7738183	1.4329969
25	2020-04-12	1.1359361	0.8013430	1.4368910
26	2020-04-13	1.1764496	0.8175341	1.4941140
27	2020-04-14	1.2118461	0.8635187	1.5320493
28	2020-04-15	1.2325825	0.8888392	1.5554686
29	2020-04-16	1.2311377	0.8630723	1.5535302
30	2020-04-17	1.2053868	0.8843228	1.5230004
31	2020-04-18	1.1687406	0.8750105	1.4375172
32	2020-04-19	1.1359142	0.8580511	1.4096554
33	2020-04-20	1.1101286	0.8433096	1.3854373
34	2020-04-21	1.0909914	0.8265836	1.3709192
35	2020-04-22	1.0740781	0.7983286	1.3305477
36	2020-04-23	1.0558474	0.8035409	1.3258426
37	2020-04-24	1.0270330	0.7707939	1.2778951
38	2020-04-25	0.9857422	0.7367248	1.2467650
39	2020-04-26	0.9386834	0.7015168	1.1815019
40	2020-04-27	0.8936916	0.6642561	1.1187472
41	2020-04-28	0.8612059	0.6273275	1.0803974
42	2020-04-29	0.8470060	0.6240654	1.0698264
43	2020-04-30	0.8519257	0.6193085	1.0837899
44	2020-05-01	0.8707276	0.6133436	1.0997885
45	2020-05-02	0.8962342	0.6260530	1.1593574
46	2020-05-03	0.9209552	0.6358820	1.1775593
47	2020-05-04	0.9403488	0.6431721	1.2148806
48	2020-05-05	0.9504619	0.6792696	1.2180006
49	2020-05-06	0.9493873	0.6524016	1.2295262
50	2020-05-07	0.9348877	0.6586864	1.1953938
51	2020-05-08	0.9121371	0.6478601	1.1757461
52	2020-05-09	0.8882130	0.6233666	1.1354178
53	2020-05-10	0.8720048	0.6078586	1.1222004
54	2020-05-11	0.8641706	0.5985824	1.1223420
55	2020-05-12	0.8631515	0.5840153	1.1172467
56	2020-05-13	0.8676844	0.5889125	1.1510563
57	2020-05-14	0.8736123	0.5749143	1.1498287
58	2020-05-15	0.8766603	0.5762152	1.1524303
59	2020-05-16	0.8764286	0.5845470	1.1690939
60	2020-05-17	0.8722384	0.5760614	1.1521227
61	2020-05-18	0.8685808	0.5888071	1.1481738
62	2020-05-19	0.8703691	0.5640032	1.1593399
63	2020-05-20	0.8776645	0.5609961	1.1549919
64	2020-05-21	0.8899581	0.5919014	1.1838028
65	2020-05-22	0.9066879	0.5757605	1.2192575
66	2020-05-23	0.9231957	0.5806339	1.2386858
67	2020-05-24	0.9312611	0.5734793	1.2616545
68	2020-05-25	0.9303876	0.6048567	1.2475169
69	2020-05-26	0.9218100	0.5662409	1.2457299
70	2020-05-27	0.9080101	0.5657580	1.2446677
71	2020-05-28	0.8925436	0.5745289	1.2208738
72	2020-05-29	0.8799233	0.5128848	1.2230331
73	2020-05-30	0.8675217	0.5107990	1.2180593
74	2020-05-31	0.8566953	0.5221766	1.1648554

dzień	data	Re(n)	dolna granica CI	górną granica CI
75	2020-06-01	0.8466250	0.5134343	1.1980133
76	2020-06-02	0.8349714	0.4810247	1.1806969
77	2020-06-03	0.8220227	0.4864200	1.1497201
78	2020-06-04	0.8089898	0.4710284	1.1775709
79	2020-06-05	0.7959995	0.4288879	1.1437010
80	2020-06-06	0.7859102	0.4434659	1.1333019
81	2020-06-07	0.7804479	0.4179847	1.1494579
82	2020-06-08	0.7800464	0.4288160	1.1256420
83	2020-06-09	0.7853732	0.3675458	1.1638949
84	2020-06-10	0.7930561	0.3680478	1.1654848
85	2020-06-11	0.8041937	0.3943143	1.1829428
86	2020-06-12	0.8165661	0.4075513	1.2226538
87	2020-06-13	0.8286580	0.3681953	1.2518639
88	2020-06-14	0.8376688	0.3802790	1.2929485
89	2020-06-15	0.8436186	0.3267638	1.3070554
90	2020-06-16	0.8467952	0.4029422	1.2894150
91	2020-06-17	0.8512581	0.3919480	1.3326232
92	2020-06-18	0.8597573	0.3403503	1.3614012
93	2020-06-19	0.8685220	0.3622005	1.3582520
94	2020-06-20	0.8735725	0.3746566	1.4049624
95	2020-06-21	0.8716722	0.3845439	1.3459035
96	2020-06-22	0.8602302	0.3045942	1.4214396
97	2020-06-23	0.8373099	0.2994277	1.2975202
98	2020-06-24	0.8056048	0.2932663	1.2708207
99	2020-06-25	0.7686780	0.3005500	1.2021998
100	2020-06-26	0.7284970	0.2134633	1.1740480
101	2020-06-27	0.6864761	0.2217216	1.1086079
102	2020-06-28	0.6461737	0.1200902	1.0808116
103	2020-06-29	0.6104937	0.1201532	0.9612260
104	2020-06-30	0.5849647	0.1313540	1.0508321
105	2020-07-01	0.5706530	0.0000000	0.9334981
106	2020-07-02	0.5673702	0.0000000	1.0243646
107	2020-07-03	0.5800095	0.0000000	1.0610982
108	2020-07-04	0.6131386	0.0000000	1.1201967
109	2020-07-05	0.6768795	0.0000000	1.2172992
110	2020-07-06	0.7768278	0.0000000	1.2855940
111	2020-07-07	0.9110168	0.0000000	1.7413080
112	2020-07-08	1.0643582	0.0000000	2.1096249
113	2020-07-09	1.2062033	0.0000000	2.6747669
114	2020-07-10	1.3187077	0.0000000	2.2683298
115	2020-07-11	1.3935248	0.0000000	2.6385233
116	2020-07-12	1.4191428	0.0000000	2.8094658
117	2020-07-13	1.3937805	0.2923322	2.3386575
118	2020-07-14	1.3409705	0.2565327	2.3087940
119	2020-07-15	1.2787420	0.2331653	2.0984877
120	2020-07-16	1.2198118	0.2176244	1.9586197
121	2020-07-17	1.1694338	0.2193341	1.9740069
122	2020-07-18	1.1249219	0.2147498	1.9327486
123	2020-07-19	1.0864405	0.2164655	1.9481899
124	2020-07-20	1.0541080	0.2200019	1.7600152
125	2020-07-21	1.0297190	0.2428416	1.9427327
126	2020-07-22	1.0127956	0.0000000	2.0237885

dzień	data	Re(n)	dolna granica CI	górná granica CI
127	2020-07-23	1.0025835	0.0000000	2.0061122
128	2020-07-24	0.9928671	0.0000000	2.5603478
129	2020-07-25	0.9709616	0.0000000	2.3853376
130	2020-07-26	0.9162735	0.0000000	3.4327677

## Woj. kujawsko-pomorskie

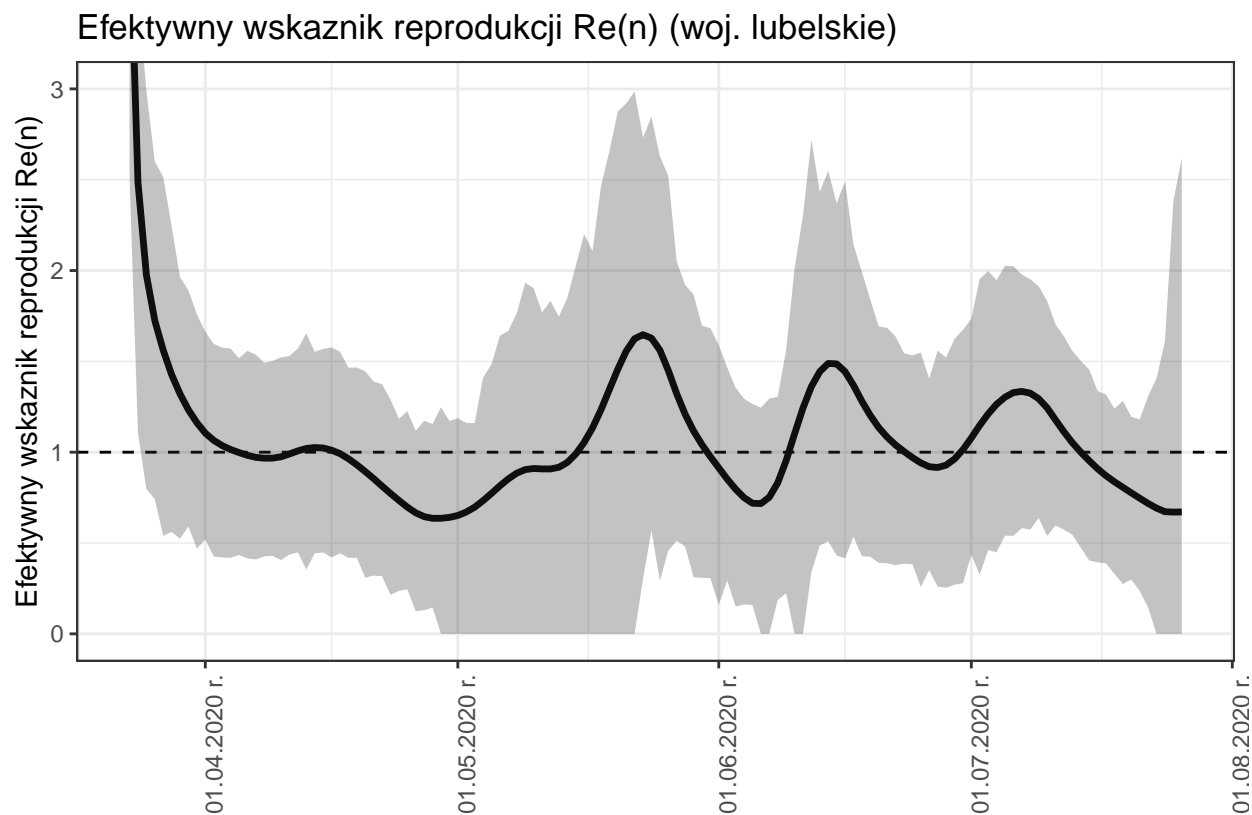


dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-29	6.5219392	4.6578212	7.8980447
2	2020-03-30	4.7645780	2.9108911	6.2428218
3	2020-03-31	3.4316916	1.8712871	4.9900990
4	2020-04-01	2.1450772	1.5442243	2.6251812
5	2020-04-02	1.3972212	0.9932809	1.7125533
6	2020-04-03	1.0653434	0.7149782	1.3942075
7	2020-04-04	0.9255643	0.5683141	1.2502910
8	2020-04-05	0.8786913	0.5023423	1.2558557
9	2020-04-06	0.8611671	0.5016195	1.2540487
10	2020-04-07	0.8563326	0.4813580	1.2301372
11	2020-04-08	0.8510870	0.4448858	1.2234359
12	2020-04-09	0.8396908	0.4403149	1.2108660
13	2020-04-10	0.8233082	0.4441206	1.2213316
14	2020-04-11	0.8063242	0.4512172	1.1844451
15	2020-04-12	0.7952671	0.4032613	1.1521752
16	2020-04-13	0.7962541	0.4121893	1.1776836
17	2020-04-14	0.8120127	0.3708968	1.2363226
18	2020-04-15	0.8389331	0.4248443	1.2745328
19	2020-04-16	0.8667654	0.3750448	1.2751522
20	2020-04-17	0.8878636	0.4320493	1.3825578
21	2020-04-18	0.8956563	0.3583170	1.4332681
22	2020-04-19	0.8942466	0.3944067	1.3409829

dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-20	0.8978671	0.3817134	1.3741683
24	2020-04-21	0.9171777	0.4631850	1.3895549
25	2020-04-22	0.9558924	0.4111023	1.3977478
26	2020-04-23	1.0075325	0.5038448	1.5115344
27	2020-04-24	1.0589611	0.4919657	1.5742901
28	2020-04-25	1.0884941	0.5156336	1.6500274
29	2020-04-26	1.0830930	0.4412261	1.6545978
30	2020-04-27	1.0389189	0.4111215	1.6444859
31	2020-04-28	0.9696609	0.4797780	1.3707942
32	2020-04-29	0.9077587	0.4310502	1.3649923
33	2020-04-30	0.8579168	0.3890148	1.3226503
34	2020-05-01	0.8197713	0.3258860	1.3035441
35	2020-05-02	0.7917007	0.3328289	1.2481085
36	2020-05-03	0.7692266	0.2646888	1.2352146
37	2020-05-04	0.7428134	0.2836485	1.1345938
38	2020-05-05	0.7019705	0.2132294	1.1727616
39	2020-05-06	0.6386696	0.1084838	1.0848377
40	2020-05-07	0.5560530	0.1143613	0.9148901
41	2020-05-08	0.4645787	0.1118052	0.7826367
42	2020-05-09	0.3834373	0.0000000	0.6999216
43	2020-05-10	0.3304866	0.0000000	0.5793763
44	2020-05-11	0.3200831	0.0000000	0.5085807
45	2020-05-12	0.3518114	0.0000000	1.0022512
46	2020-05-13	0.4018582	0.0000000	0.8778903
47	2020-05-14	0.4677561	0.0000000	0.9795463
48	2020-05-15	0.5470104	0.0000000	1.5990148
49	2020-05-16	0.6338457	0.0000000	1.3225331
50	2020-05-17	0.7181707	0.0000000	2.1816019
51	2020-05-18	0.7906500	0.0000000	1.7657412
52	2020-05-19	0.8430047	0.0000000	2.3025091
53	2020-05-20	0.8757277	0.0000000	3.2150588
54	2020-05-21	0.8866629	0.0000000	1.9804362
55	2020-05-22	0.8958950	0.0000000	2.3627734
56	2020-05-23	0.9017539	0.0000000	2.5834827
57	2020-05-24	0.9056447	0.0000000	2.6870333
58	2020-05-25	0.9102793	0.0000000	2.4865023
59	2020-05-26	0.9195884	0.0000000	2.6747675
60	2020-05-27	0.9275857	0.0000000	2.6657161
61	2020-05-28	0.9295804	0.0000000	1.9266220
62	2020-05-29	0.9188689	0.0000000	2.0305181
63	2020-05-30	0.8960034	0.0000000	1.9990724
64	2020-05-31	0.8720829	0.0000000	1.8948101
65	2020-06-01	0.8659539	0.0000000	0.8843282
66	2020-06-02	0.8982702	0.0000000	0.9645916
67	2020-06-03	0.9801184	0.0000000	1.6253796
68	2020-06-04	1.1229996	0.0000000	2.9483751
69	2020-06-05	1.2978270	0.0000000	2.6045784
70	2020-06-06	1.4961332	0.0000000	3.5872038
71	2020-06-07	1.6951086	0.0000000	3.7640000
72	2020-06-08	1.8581036	0.0000000	4.6643615
73	2020-06-09	1.9477894	0.0000000	4.5187970
74	2020-06-10	1.9590977	0.0000000	3.6719542

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-11	1.9000028	0.0000000	3.6459920
76	2020-06-12	1.7940481	0.0000000	3.1702168
77	2020-06-13	1.6666938	0.0000000	2.8781382
78	2020-06-14	1.5614592	0.0000000	2.8438315
79	2020-06-15	1.4622659	0.0000000	2.4552118
80	2020-06-16	1.3559951	0.0000000	2.2329727
81	2020-06-17	1.2485990	0.2897890	2.0285227
82	2020-06-18	1.1596510	0.0000000	1.9174716
83	2020-06-19	1.0891940	0.2681936	1.8773555
84	2020-06-20	1.0339877	0.0000000	1.8457460
85	2020-06-21	0.9905976	0.0000000	1.8384430
86	2020-06-22	0.9551792	0.0000000	1.8276134
87	2020-06-23	0.9244219	0.0000000	1.6736803
88	2020-06-24	0.8936723	0.0000000	1.5336683
89	2020-06-25	0.8667064	0.0000000	1.7012984
90	2020-06-26	0.8399428	0.0000000	1.5566101
91	2020-06-27	0.8199552	0.0000000	1.5095335
92	2020-06-28	0.8043761	0.0000000	1.5210282
93	2020-06-29	0.7994207	0.0000000	1.4905167
94	2020-06-30	0.8105730	0.0000000	1.4515891
95	2020-07-01	0.8377658	0.0000000	1.7678498
96	2020-07-02	0.8680069	0.0000000	1.5838187
97	2020-07-03	0.8926131	0.0000000	1.6624240
98	2020-07-04	0.9079915	0.0000000	1.7127623
99	2020-07-05	0.9160502	0.0000000	1.6106902
100	2020-07-06	0.9259765	0.0000000	1.6934097
101	2020-07-07	0.9455457	0.0000000	1.8534767
102	2020-07-08	0.9867137	0.0000000	2.0970405
103	2020-07-09	1.0441069	0.0000000	1.9987290
104	2020-07-10	1.1119515	0.0000000	2.3559844
105	2020-07-11	1.1701425	0.0000000	2.5473896
106	2020-07-12	1.2038382	0.0000000	2.5931533
107	2020-07-13	1.2066370	0.0000000	2.6087510
108	2020-07-14	1.1866515	0.0000000	2.3908822
109	2020-07-15	1.1544806	0.0000000	2.1159305
110	2020-07-16	1.1253674	0.0000000	2.1768276
111	2020-07-17	1.1066330	0.0000000	2.0033933
112	2020-07-18	1.1094242	0.0000000	1.9944538
113	2020-07-19	1.1346520	0.0000000	2.0935970
114	2020-07-20	1.1763508	0.0000000	2.2336573
115	2020-07-21	1.2262477	0.0000000	2.9438320
116	2020-07-22	1.2671347	0.0000000	2.7572475
117	2020-07-23	1.2960078	0.0000000	3.2120047
118	2020-07-24	1.3147926	0.0000000	3.9847992
119	2020-07-25	1.3017413	0.0000000	4.5943604
120	2020-07-26	1.2892113	0.0000000	4.7336136

## Woj. lubelskie

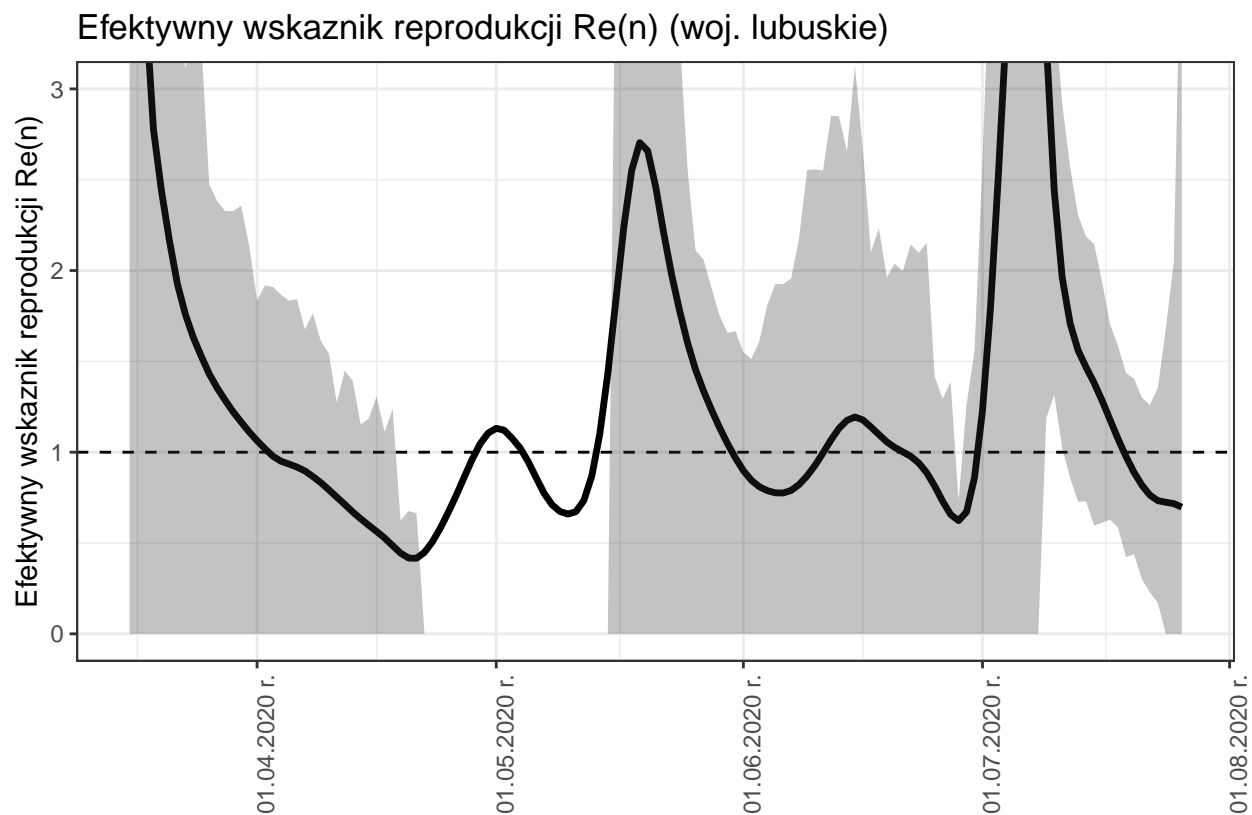


dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-23	3.9787394	2.5101379	5.020276
2	2020-03-24	2.4856926	1.1054220	3.537350
3	2020-03-25	1.9760467	0.7973902	2.990213
4	2020-03-26	1.7250720	0.7426603	2.599311
5	2020-03-27	1.5616362	0.5391939	2.516238
6	2020-03-28	1.4269142	0.5610122	2.244049
7	2020-03-29	1.3207117	0.5235753	1.963407
8	2020-03-30	1.2327995	0.5909602	1.891073
9	2020-03-31	1.1623273	0.4687980	1.757993
10	2020-04-01	1.1050594	0.5196557	1.662898
11	2020-04-02	1.0652739	0.4256780	1.596292
12	2020-04-03	1.0363551	0.4203196	1.576198
13	2020-04-04	1.0150051	0.4187752	1.570407
14	2020-04-05	0.9981003	0.4335957	1.517585
15	2020-04-06	0.9827616	0.4154011	1.557754
16	2020-04-07	0.9718109	0.4098970	1.537114
17	2020-04-08	0.9668559	0.4262843	1.491995
18	2020-04-09	0.9674364	0.4293496	1.502724
19	2020-04-10	0.9747318	0.4058076	1.521778
20	2020-04-11	0.9902580	0.4370880	1.529808
21	2020-04-12	1.0072270	0.4487267	1.570544
22	2020-04-13	1.0206521	0.3544707	1.654197

dzień	data	Re(n)	dolna granica CI	górną granica CI
23	2020-04-14	1.0256213	0.4434565	1.552098
24	2020-04-15	1.0229580	0.4480812	1.568284
25	2020-04-16	1.0111392	0.4204799	1.576800
26	2020-04-17	0.9922497	0.4437570	1.553149
27	2020-04-18	0.9640847	0.4186613	1.465315
28	2020-04-19	0.9307165	0.4189356	1.466275
29	2020-04-20	0.8935136	0.3096524	1.445045
30	2020-04-21	0.8544300	0.3204200	1.388487
31	2020-04-22	0.8134283	0.3171142	1.374162
32	2020-04-23	0.7730340	0.2149023	1.289414
33	2020-04-24	0.7345877	0.2367243	1.183622
34	2020-04-25	0.6976205	0.2450009	1.225005
35	2020-04-26	0.6662579	0.1241705	1.117534
36	2020-04-27	0.6451840	0.1303173	1.172856
37	2020-04-28	0.6359136	0.1443699	1.154959
38	2020-04-29	0.6361796	0.0000000	1.247861
39	2020-04-30	0.6410800	0.0000000	1.171793
40	2020-05-01	0.6515640	0.0000000	1.187086
41	2020-05-02	0.6707341	0.0000000	1.161066
42	2020-05-03	0.6972880	0.0000000	1.159943
43	2020-05-04	0.7331910	0.0000000	1.410596
44	2020-05-05	0.7732441	0.0000000	1.484249
45	2020-05-06	0.8150379	0.0000000	1.640587
46	2020-05-07	0.8533473	0.0000000	1.667712
47	2020-05-08	0.8845467	0.0000000	1.764739
48	2020-05-09	0.9042109	0.0000000	1.932773
49	2020-05-10	0.9101226	0.0000000	1.903479
50	2020-05-11	0.9079341	0.0000000	1.769798
51	2020-05-12	0.9078347	0.0000000	1.832762
52	2020-05-13	0.9166976	0.0000000	1.746291
53	2020-05-14	0.9434145	0.0000000	1.848884
54	2020-05-15	0.9894269	0.0000000	2.024230
55	2020-05-16	1.0533812	0.0000000	2.200610
56	2020-05-17	1.1340281	0.0000000	2.106976
57	2020-05-18	1.2327002	0.0000000	2.462844
58	2020-05-19	1.3447084	0.0000000	2.656082
59	2020-05-20	1.4565245	0.0000000	2.874735
60	2020-05-21	1.5562184	0.0000000	2.920204
61	2020-05-22	1.6248913	0.0000000	2.985339
62	2020-05-23	1.6469594	0.3035142	2.731628
63	2020-05-24	1.6279649	0.5694546	2.847273
64	2020-05-25	1.5620819	0.2920918	2.628827
65	2020-05-26	1.4500823	0.4584206	2.521313
66	2020-05-27	1.3215061	0.5127434	2.050974
67	2020-05-28	1.2090847	0.4801849	1.920739
68	2020-05-29	1.1171288	0.3114143	1.868486
69	2020-05-30	1.0414993	0.3084146	1.696280
70	2020-05-31	0.9755007	0.3060025	1.683014
71	2020-06-01	0.9136314	0.1588531	1.588531
72	2020-06-02	0.8519299	0.2932393	1.466196
73	2020-06-03	0.7962978	0.1505301	1.354771
74	2020-06-04	0.7497970	0.1618342	1.294674

dzień	data	Re(n)	dolna granica CI	górną granica CI
75	2020-06-05	0.7187595	0.1581471	1.265177
76	2020-06-06	0.7169136	0.0000000	1.244682
77	2020-06-07	0.7519959	0.0000000	1.294714
78	2020-06-08	0.8313826	0.1864323	1.305026
79	2020-06-09	0.9537635	0.2232438	1.562707
80	2020-06-10	1.1005049	0.0000000	2.009669
81	2020-06-11	1.2430256	0.0000000	2.302846
82	2020-06-12	1.3612491	0.3397998	2.718398
83	2020-06-13	1.4437102	0.4864817	2.432409
84	2020-06-14	1.4886245	0.5097820	2.548910
85	2020-06-15	1.4861838	0.4310286	2.370657
86	2020-06-16	1.4434919	0.4152722	2.491633
87	2020-06-17	1.3681605	0.5354111	2.141644
88	2020-06-18	1.2801505	0.4269341	1.992359
89	2020-06-19	1.2022263	0.4245917	1.839897
90	2020-06-20	1.1352873	0.3906225	1.692697
91	2020-06-21	1.0827234	0.3886391	1.684103
92	2020-06-22	1.0399657	0.3776448	1.636461
93	2020-06-23	1.0039686	0.3863853	1.545541
94	2020-06-24	0.9706705	0.3832222	1.532889
95	2020-06-25	0.9412780	0.2580661	1.548397
96	2020-06-26	0.9197816	0.3510098	1.404039
97	2020-06-27	0.9158083	0.2598298	1.558979
98	2020-06-28	0.9285880	0.2535515	1.521309
99	2020-06-29	0.9622906	0.2705540	1.623324
100	2020-06-30	1.0138300	0.2789138	1.673483
101	2020-07-01	1.0784323	0.4335663	1.734265
102	2020-07-02	1.1478937	0.3256791	1.954075
103	2020-07-03	1.2108273	0.4608215	1.996893
104	2020-07-04	1.2637688	0.4491685	1.946397
105	2020-07-05	1.3030157	0.5403691	2.026384
106	2020-07-06	1.3282077	0.5395855	2.023446
107	2020-07-07	1.3347272	0.5818335	1.978234
108	2020-07-08	1.3249371	0.5741227	1.952017
109	2020-07-09	1.2942959	0.6377481	1.913244
110	2020-07-10	1.2445038	0.5391266	1.833031
111	2020-07-11	1.1776181	0.5963627	1.703893
112	2020-07-12	1.1123090	0.5731266	1.637504
113	2020-07-13	1.0523746	0.5451900	1.557686
114	2020-07-14	1.0001652	0.4745621	1.502780
115	2020-07-15	0.9529221	0.4041245	1.454848
116	2020-07-16	0.9089636	0.3933468	1.337379
117	2020-07-17	0.8701353	0.3873866	1.317114
118	2020-07-18	0.8370769	0.3304513	1.239192
119	2020-07-19	0.8066703	0.2747093	1.281977
120	2020-07-20	0.7762891	0.2990080	1.196032
121	2020-07-21	0.7467646	0.2359354	1.179677
122	2020-07-22	0.7179159	0.1453970	1.308573
123	2020-07-23	0.6919242	0.0000000	1.405876
124	2020-07-24	0.6724079	0.0000000	1.611449
125	2020-07-25	0.6702663	0.0000000	2.379709
126	2020-07-26	0.6711919	0.0000000	2.620718

## Woj. lubuskie



dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-16	7.6497844	0.0000000	7.1020408
2	2020-03-17	4.7556424	0.0000000	3.6816143
3	2020-03-18	3.4713955	0.0000000	4.3866348
4	2020-03-19	2.7775345	0.0000000	3.7176326
5	2020-03-20	2.4405081	0.0000000	4.1282367
6	2020-03-21	2.1656169	0.0000000	4.4176858
7	2020-03-22	1.9266850	0.0000000	3.3902830
8	2020-03-23	1.7595940	0.0000000	3.1187171
9	2020-03-24	1.6314452	0.0000000	3.2443920
10	2020-03-25	1.5278439	0.0000000	3.2561983
11	2020-03-26	1.4307804	0.0000000	2.4750594
12	2020-03-27	1.3535388	0.0000000	2.3820333
13	2020-03-28	1.2859623	0.0000000	2.3269742
14	2020-03-29	1.2218945	0.0000000	2.3268428
15	2020-03-30	1.1659924	0.0000000	2.3574409
16	2020-03-31	1.1120336	0.0000000	2.1385249
17	2020-04-01	1.0634323	0.0000000	1.8356369
18	2020-04-02	1.0185350	0.0000000	1.9180915
19	2020-04-03	0.9773918	0.0000000	1.9097548
20	2020-04-04	0.9503972	0.0000000	1.8664272
21	2020-04-05	0.9347394	0.0000000	1.8344253
22	2020-04-06	0.9181324	0.0000000	1.8417758

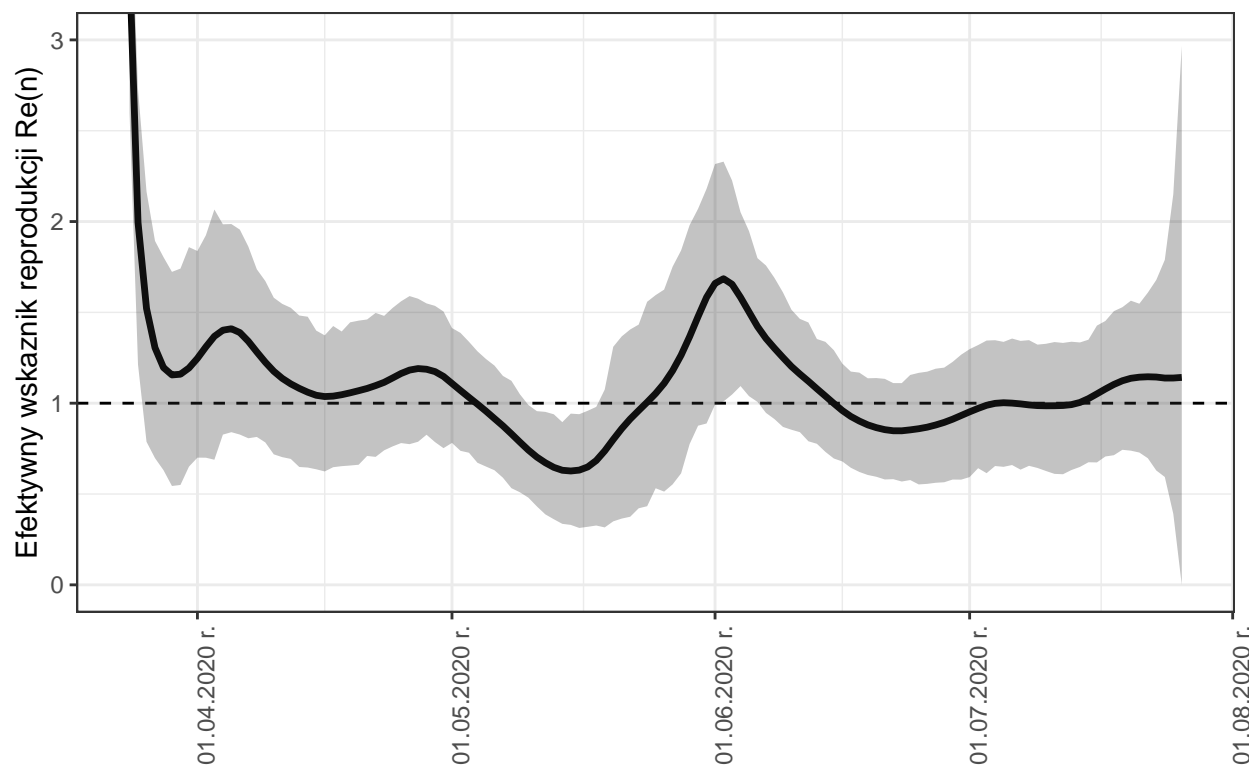
dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-07	0.8967038	0.0000000	1.6756589
24	2020-04-08	0.8660411	0.0000000	1.7636132
25	2020-04-09	0.8323732	0.0000000	1.6114524
26	2020-04-10	0.7930892	0.0000000	1.5436696
27	2020-04-11	0.7527913	0.0000000	1.2730002
28	2020-04-12	0.7125709	0.0000000	1.4482385
29	2020-04-13	0.6710120	0.0000000	1.3929539
30	2020-04-14	0.6333262	0.0000000	1.1518182
31	2020-04-15	0.5977202	0.0000000	1.1847553
32	2020-04-16	0.5637036	0.0000000	1.3076923
33	2020-04-17	0.5276101	0.0000000	1.1112964
34	2020-04-18	0.4855343	0.0000000	1.2374451
35	2020-04-19	0.4443944	0.0000000	0.6245734
36	2020-04-20	0.4174508	0.0000000	0.6756447
37	2020-04-21	0.4159364	0.0000000	0.6641834
38	2020-04-22	0.4485522	0.0000000	0.0000000
39	2020-04-23	0.5069565	0.0000000	0.0000000
40	2020-04-24	0.5830395	0.0000000	0.0000000
41	2020-04-25	0.6699211	0.0000000	0.0000000
42	2020-04-26	0.7640912	0.0000000	0.0000000
43	2020-04-27	0.8640743	0.0000000	0.0000000
44	2020-04-28	0.9623812	0.0000000	0.0000000
45	2020-04-29	1.0472262	0.0000000	0.0000000
46	2020-04-30	1.1055255	0.0000000	0.0000000
47	2020-05-01	1.1315199	0.0000000	0.0000000
48	2020-05-02	1.1209546	0.0000000	0.0000000
49	2020-05-03	1.0758548	0.0000000	0.0000000
50	2020-05-04	1.0229062	0.0000000	0.0000000
51	2020-05-05	0.9487055	0.0000000	0.0000000
52	2020-05-06	0.8603606	0.0000000	0.0000000
53	2020-05-07	0.7741291	0.0000000	0.0000000
54	2020-05-08	0.7107738	0.0000000	0.0000000
55	2020-05-09	0.6734934	0.0000000	0.0000000
56	2020-05-10	0.6591995	0.0000000	0.0000000
57	2020-05-11	0.6726005	0.0000000	0.0000000
58	2020-05-12	0.7346364	0.0000000	0.0000000
59	2020-05-13	0.8707048	0.0000000	0.0000000
60	2020-05-14	1.1030950	0.0000000	0.0000000
61	2020-05-15	1.4330076	0.0000000	0.0000000
62	2020-05-16	1.8326513	0.0000000	3.9925262
63	2020-05-17	2.2379201	0.0000000	7.9886040
64	2020-05-18	2.5523198	0.0000000	8.2934473
65	2020-05-19	2.7041497	0.0000000	8.5868946
66	2020-05-20	2.6594906	0.0000000	3.7320341
67	2020-05-21	2.4619633	0.0000000	3.8566131
68	2020-05-22	2.2083252	0.0000000	3.9976415
69	2020-05-23	1.9775334	0.0000000	3.4647330
70	2020-05-24	1.7805492	0.0000000	3.2949029
71	2020-05-25	1.6023184	0.0000000	2.5597527
72	2020-05-26	1.4551312	0.0000000	2.1107547
73	2020-05-27	1.3381367	0.0000000	2.0613464
74	2020-05-28	1.2337543	0.0000000	1.9059432

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-05-29	1.1372208	0.0000000	1.7544328
76	2020-05-30	1.0485948	0.0000000	1.6578708
77	2020-05-31	0.9689910	0.0000000	1.6660601
78	2020-06-01	0.8990287	0.0000000	1.5508261
79	2020-06-02	0.8454262	0.0000000	1.5137578
80	2020-06-03	0.8099065	0.0000000	1.6104229
81	2020-06-04	0.7883794	0.0000000	1.8102305
82	2020-06-05	0.7764405	0.0000000	1.9249738
83	2020-06-06	0.7753454	0.0000000	1.9254202
84	2020-06-07	0.7896592	0.0000000	1.9557798
85	2020-06-08	0.8219311	0.0000000	2.1799007
86	2020-06-09	0.8695100	0.0000000	2.5535117
87	2020-06-10	0.9279063	0.0000000	2.5567939
88	2020-06-11	0.9959744	0.0000000	2.5516911
89	2020-06-12	1.0680213	0.0000000	2.8508748
90	2020-06-13	1.1310728	0.0000000	2.8502510
91	2020-06-14	1.1752308	0.0000000	2.6552451
92	2020-06-15	1.1937431	0.0000000	3.1266174
93	2020-06-16	1.1775133	0.0000000	2.6646597
94	2020-06-17	1.1390167	0.0000000	2.1014165
95	2020-06-18	1.0976158	0.0000000	2.2329396
96	2020-06-19	1.0564685	0.0000000	1.9640719
97	2020-06-20	1.0261236	0.0000000	2.0381383
98	2020-06-21	1.0017066	0.0000000	1.9954751
99	2020-06-22	0.9773850	0.0000000	2.1436768
100	2020-06-23	0.9410198	0.0000000	2.0975057
101	2020-06-24	0.8873489	0.0000000	2.1522091
102	2020-06-25	0.8141855	0.0000000	1.4168983
103	2020-06-26	0.7299587	0.0000000	1.2938247
104	2020-06-27	0.6571066	0.0000000	1.3863517
105	2020-06-28	0.6230656	0.0000000	0.7320933
106	2020-06-29	0.6711637	0.0000000	1.2613139
107	2020-06-30	0.8606563	0.0000000	1.5582108
108	2020-07-01	1.2295401	0.0000000	2.5947315
109	2020-07-02	1.7919194	0.0000000	3.8313070
110	2020-07-03	2.5311129	0.0000000	6.4918434
111	2020-07-04	3.3473940	0.0000000	7.3663366
112	2020-07-05	4.0791427	0.0000000	8.6803966
113	2020-07-06	4.5340598	0.0000000	11.1022121
114	2020-07-07	4.5529125	0.0000000	10.5671538
115	2020-07-08	4.0897282	0.0000000	9.7534956
116	2020-07-09	3.2665006	1.1874774	5.1457353
117	2020-07-10	2.4417016	1.3150415	3.4519841
118	2020-07-11	1.9613606	1.0218007	2.9194304
119	2020-07-12	1.7082117	0.8558547	2.5675641
120	2020-07-13	1.5598054	0.7268479	2.3016850
121	2020-07-14	1.4669452	0.7288040	2.1864119
122	2020-07-15	1.3819630	0.5962448	2.1464812
123	2020-07-16	1.2845090	0.6120490	1.9381553
124	2020-07-17	1.1789477	0.6282046	1.7051269
125	2020-07-18	1.0737038	0.5839638	1.5850447
126	2020-07-19	0.9761396	0.4224812	1.4364362

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-20	0.8896719	0.4391142	1.4051656
128	2020-07-21	0.8183449	0.2999820	1.2999220
129	2020-07-22	0.7635878	0.2291240	1.2601820
130	2020-07-23	0.7331694	0.1692234	1.3537873
131	2020-07-24	0.7244722	0.0000000	1.6795848
132	2020-07-25	0.7169606	0.0000000	2.0465873
133	2020-07-26	0.6974313	0.0000000	4.1531819

## Woj. łódzkie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. łódzkie)



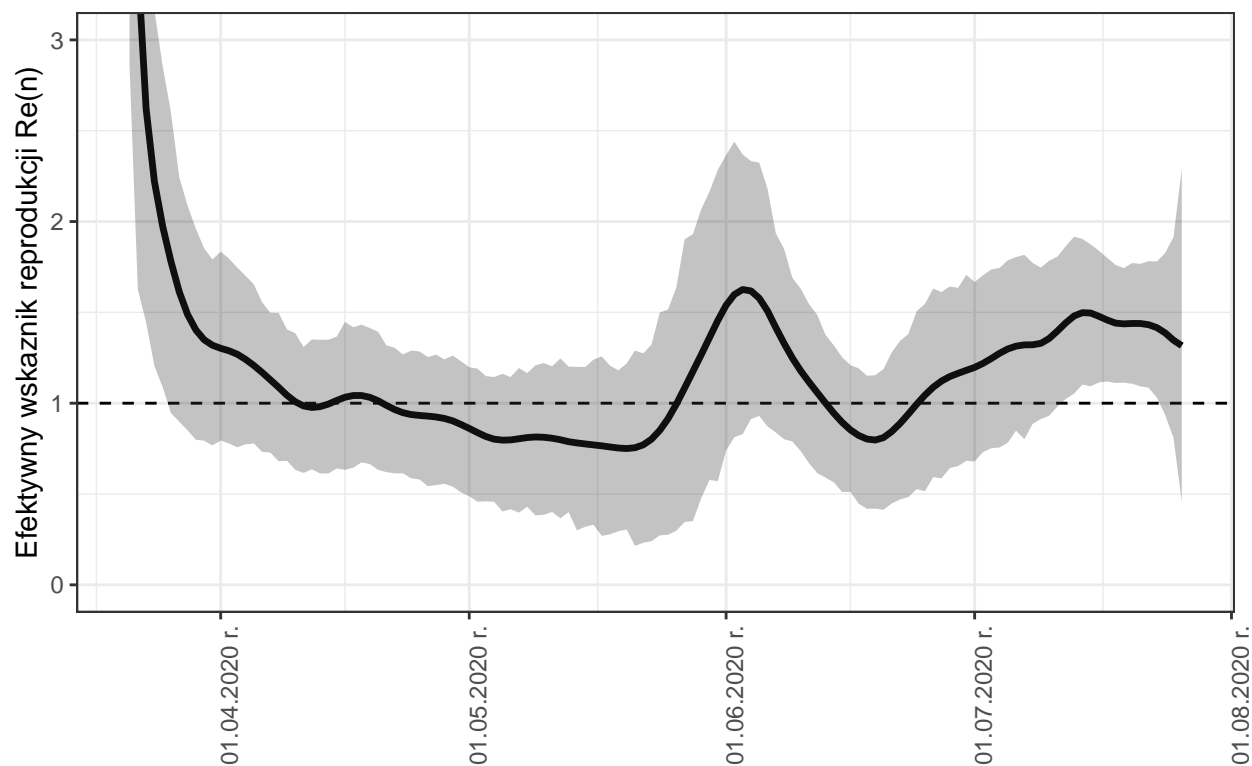
dzień	data	$Re(n)$	dolna granica CI	górna granica CI
1	2020-03-24	3.4236876	2.5988476	4.0065567
2	2020-03-25	1.9957260	1.2125021	2.7281297
3	2020-03-26	1.5215229	0.7873486	2.1652087
4	2020-03-27	1.3053655	0.6975027	1.8932217
5	2020-03-28	1.1959235	0.6314930	1.8042657
6	2020-03-29	1.1556119	0.5441029	1.7229926
7	2020-03-30	1.1595351	0.5498035	1.7410444
8	2020-03-31	1.1935464	0.6506521	1.8590060
9	2020-04-01	1.2466854	0.7001461	1.8378835
10	2020-04-02	1.3101069	0.6998676	1.9246358
11	2020-04-03	1.3681610	0.6887542	2.0662625
12	2020-04-04	1.4018963	0.8270522	1.9849253
13	2020-04-05	1.4096509	0.8403308	1.9862364
14	2020-04-06	1.3888646	0.8273480	1.9555498
15	2020-04-07	1.3407905	0.8069804	1.8622625
16	2020-04-08	1.2820514	0.8143104	1.7371954
17	2020-04-09	1.2255364	0.7839800	1.6724906
18	2020-04-10	1.1754856	0.7184416	1.5805715
19	2020-04-11	1.1365683	0.7030043	1.5466094
20	2020-04-12	1.1063033	0.6933324	1.5253313
21	2020-04-13	1.0816506	0.6487444	1.4828444
22	2020-04-14	1.0604140	0.6457010	1.4758880

dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-15	1.0435664	0.6362483	1.3997462
24	2020-04-16	1.0364536	0.6243449	1.3735587
25	2020-04-17	1.0388376	0.6476258	1.4247768
26	2020-04-18	1.0465840	0.6533597	1.3949230
27	2020-04-19	1.0571267	0.6569197	1.4452233
28	2020-04-20	1.0687499	0.6611155	1.4544541
29	2020-04-21	1.0811622	0.7096139	1.4609698
30	2020-04-22	1.0970786	0.7044661	1.4969905
31	2020-04-23	1.1147541	0.7403594	1.4807188
32	2020-04-24	1.1388773	0.7621760	1.5243520
33	2020-04-25	1.1635666	0.7804270	1.5608540
34	2020-04-26	1.1823549	0.7744584	1.5896779
35	2020-04-27	1.1907023	0.7876565	1.5753130
36	2020-04-28	1.1868495	0.8263316	1.5493718
37	2020-04-29	1.1739808	0.7857943	1.5358706
38	2020-04-30	1.1474039	0.7523891	1.5047783
39	2020-05-01	1.1087995	0.7813842	1.4138616
40	2020-05-02	1.0699884	0.7377366	1.3869449
41	2020-05-03	1.0321039	0.7272319	1.3381068
42	2020-05-04	0.9948496	0.6720178	1.2855993
43	2020-05-05	0.9564346	0.6513312	1.2434505
44	2020-05-06	0.9156046	0.6310401	1.2072072
45	2020-05-07	0.8752712	0.5898574	1.1502219
46	2020-05-08	0.8314830	0.5321839	1.1234994
47	2020-05-09	0.7860999	0.5096278	1.0492338
48	2020-05-10	0.7420442	0.4801309	0.9902700
49	2020-05-11	0.7033532	0.4318608	0.9562632
50	2020-05-12	0.6721113	0.3879595	0.9522642
51	2020-05-13	0.6467048	0.3611088	0.9388828
52	2020-05-14	0.6307890	0.3358470	0.8955920
53	2020-05-15	0.6268018	0.3299173	0.9426208
54	2020-05-16	0.6316873	0.3131620	0.9394861
55	2020-05-17	0.6491811	0.3194858	0.9584573
56	2020-05-18	0.6842464	0.3266434	0.9799302
57	2020-05-19	0.7373051	0.3162334	1.0751934
58	2020-05-20	0.8000795	0.3494585	1.3104695
59	2020-05-21	0.8597307	0.3647113	1.3676673
60	2020-05-22	0.9129614	0.3749145	1.4059293
61	2020-05-23	0.9596159	0.4214148	1.4328103
62	2020-05-24	1.0054177	0.4328929	1.5584145
63	2020-05-25	1.0535890	0.5316862	1.5950585
64	2020-05-26	1.1091716	0.5132693	1.6253528
65	2020-05-27	1.1791281	0.5531218	1.7515523
66	2020-05-28	1.2642988	0.6136772	1.8410316
67	2020-05-29	1.3662435	0.7748089	1.9800671
68	2020-05-30	1.4772340	0.8760490	2.0706614
69	2020-05-31	1.5830617	0.8881883	2.1800985
70	2020-06-01	1.6594362	0.9928275	2.3165976
71	2020-06-02	1.6851772	1.0095433	2.3297153
72	2020-06-03	1.6548565	1.0475427	2.2260281
73	2020-06-04	1.5829359	1.0942049	2.0516342
74	2020-06-05	1.5024476	1.0386582	1.9474840

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-06	1.4221562	1.0071433	1.7984702
76	2020-06-07	1.3565789	0.9466316	1.7580301
77	2020-06-08	1.3024681	0.9124968	1.6898090
78	2020-06-09	1.2513772	0.8694231	1.6100428
79	2020-06-10	1.2020857	0.8538332	1.5148654
80	2020-06-11	1.1603018	0.8404178	1.4639536
81	2020-06-12	1.1208307	0.7903054	1.4443513
82	2020-06-13	1.0796092	0.7765304	1.3532921
83	2020-06-14	1.0393405	0.7320968	1.3379700
84	2020-06-15	0.9985947	0.6955307	1.2916998
85	2020-06-16	0.9595682	0.6792379	1.2179438
86	2020-06-17	0.9269691	0.6446282	1.1741442
87	2020-06-18	0.9017722	0.6214811	1.1683845
88	2020-06-19	0.8805789	0.6048019	1.1370275
89	2020-06-20	0.8654420	0.5950741	1.1384026
90	2020-06-21	0.8543175	0.5801722	1.1339730
91	2020-06-22	0.8481338	0.5817625	1.1106374
92	2020-06-23	0.8480589	0.5687910	1.1104967
93	2020-06-24	0.8531706	0.5769483	1.1554169
94	2020-06-25	0.8594279	0.5527732	1.1669656
95	2020-06-26	0.8680133	0.5559330	1.1736364
96	2020-06-27	0.8800262	0.5619236	1.1899560
97	2020-06-28	0.8942966	0.5646713	1.1957745
98	2020-06-29	0.9119344	0.5796464	1.2274866
99	2020-06-30	0.9322028	0.5791100	1.2668030
100	2020-07-01	0.9524745	0.5931467	1.2975085
101	2020-07-02	0.9713159	0.6421665	1.3200089
102	2020-07-03	0.9884790	0.6148196	1.3449178
103	2020-07-04	0.9990566	0.6541433	1.3467656
104	2020-07-05	1.0025788	0.6496910	1.3375991
105	2020-07-06	1.0004325	0.6595554	1.3557528
106	2020-07-07	0.9961064	0.6341880	1.3429864
107	2020-07-08	0.9906422	0.6553233	1.3470534
108	2020-07-09	0.9867731	0.6433912	1.3225263
109	2020-07-10	0.9857459	0.6266842	1.3270959
110	2020-07-11	0.9860792	0.6109865	1.3365330
111	2020-07-12	0.9873461	0.6088396	1.3318366
112	2020-07-13	0.9921901	0.6320283	1.3384130
113	2020-07-14	1.0041416	0.6491482	1.3343602
114	2020-07-15	1.0250835	0.6747742	1.3495483
115	2020-07-16	1.0514127	0.6739711	1.4272330
116	2020-07-17	1.0781617	0.7066988	1.4526587
117	2020-07-18	1.1031473	0.7137247	1.5067521
118	2020-07-19	1.1236122	0.7435141	1.5283345
119	2020-07-20	1.1370415	0.7386911	1.5642869
120	2020-07-21	1.1432515	0.7283413	1.5477252
121	2020-07-22	1.1454977	0.6970760	1.6086370
122	2020-07-23	1.1440478	0.6294849	1.6786263
123	2020-07-24	1.1384753	0.5939055	1.7891714
124	2020-07-25	1.1385416	0.3909552	2.1502537
125	2020-07-26	1.1419122	0.0000000	2.9672967

## Woj. małopolskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. małopolskie)



dzień	data	$Re(n)$	dolna granica CI	górna granica CI
1	2020-03-21	5.3323978	2.8591065	6.790378
2	2020-03-22	3.4244387	1.6262834	4.878850
3	2020-03-23	2.6209314	1.4446108	3.792103
4	2020-03-24	2.2211101	1.2055569	3.164587
5	2020-03-25	1.9735319	1.0878750	2.855672
6	2020-03-26	1.7791686	0.9455133	2.600161
7	2020-03-27	1.6134656	0.8981220	2.245305
8	2020-03-28	1.4888558	0.8509550	2.088708
9	2020-03-29	1.4037788	0.7987403	1.960544
10	2020-03-30	1.3492023	0.7942206	1.853181
11	2020-03-31	1.3191471	0.7677806	1.791488
12	2020-04-01	1.3021482	0.7948077	1.834172
13	2020-04-02	1.2886169	0.7784502	1.796424
14	2020-04-03	1.2697322	0.7569164	1.746730
15	2020-04-04	1.2414815	0.7734977	1.701695
16	2020-04-05	1.2077638	0.7783528	1.654000
17	2020-04-06	1.1694637	0.7322961	1.556129
18	2020-04-07	1.1284907	0.7276405	1.498083
19	2020-04-08	1.0871780	0.6804025	1.496886
20	2020-04-09	1.0436070	0.6830796	1.406340
21	2020-04-10	1.0082298	0.6333565	1.385467
22	2020-04-11	0.9848221	0.6160535	1.309114

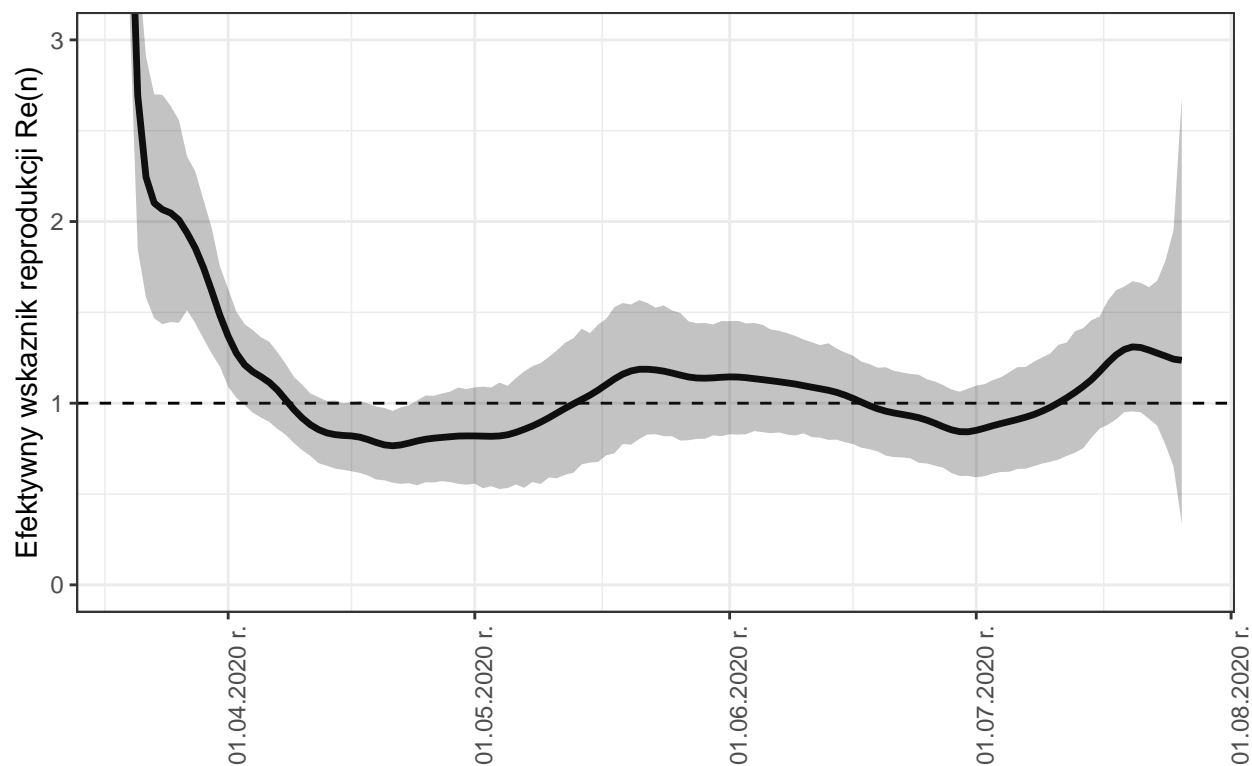
dzień	data	Re(n)	dolna granica CI	górną granica CI
23	2020-04-12	0.9764316	0.6356133	1.350678
24	2020-04-13	0.9809659	0.6132889	1.349236
25	2020-04-14	0.9950691	0.6133905	1.349459
26	2020-04-15	1.0147638	0.6405060	1.366413
27	2020-04-16	1.0327327	0.6332692	1.447472
28	2020-04-17	1.0421803	0.6445865	1.418090
29	2020-04-18	1.0423091	0.6740223	1.432297
30	2020-04-19	1.0323630	0.6652624	1.413683
31	2020-04-20	1.0133728	0.6332454	1.393140
32	2020-04-21	0.9880768	0.6204613	1.318480
33	2020-04-22	0.9649629	0.6140270	1.304807
34	2020-04-23	0.9476827	0.6138095	1.267963
35	2020-04-24	0.9374609	0.5862477	1.289745
36	2020-04-25	0.9326477	0.5801370	1.284589
37	2020-04-26	0.9288826	0.5430612	1.254263
38	2020-04-27	0.9240631	0.5490907	1.267132
39	2020-04-28	0.9159596	0.5564352	1.241279
40	2020-04-29	0.9027269	0.5409504	1.262217
41	2020-04-30	0.8829177	0.5093345	1.230892
42	2020-05-01	0.8610496	0.4880653	1.197979
43	2020-05-02	0.8380120	0.4577033	1.190029
44	2020-05-03	0.8168258	0.4596960	1.149240
45	2020-05-04	0.8020043	0.4575856	1.143964
46	2020-05-05	0.7966552	0.4041687	1.161985
47	2020-05-06	0.7978879	0.4160291	1.144080
48	2020-05-07	0.8042335	0.3978222	1.193466
49	2020-05-08	0.8108496	0.4294895	1.165757
50	2020-05-09	0.8139610	0.3817615	1.208911
51	2020-05-10	0.8124550	0.3855625	1.220948
52	2020-05-11	0.8071846	0.4010916	1.203275
53	2020-05-12	0.7988015	0.3665101	1.246134
54	2020-05-13	0.7879141	0.4003106	1.200932
55	2020-05-14	0.7812165	0.2999739	1.199896
56	2020-05-15	0.7756907	0.3197523	1.199071
57	2020-05-16	0.7704090	0.3306745	1.240029
58	2020-05-17	0.7652585	0.2695310	1.257811
59	2020-05-18	0.7589348	0.2783004	1.205968
60	2020-05-19	0.7532076	0.2951978	1.180791
61	2020-05-20	0.7503464	0.3046658	1.218663
62	2020-05-21	0.7548511	0.2149084	1.289451
63	2020-05-22	0.7708504	0.2317665	1.274716
64	2020-05-23	0.8017589	0.2404050	1.322228
65	2020-05-24	0.8505527	0.2725716	1.499144
66	2020-05-25	0.9151505	0.2757633	1.516698
67	2020-05-26	0.9947885	0.2978612	1.638237
68	2020-05-27	1.0839586	0.3459513	1.902732
69	2020-05-28	1.1752300	0.3510688	1.930878
70	2020-05-29	1.2670293	0.4772227	2.067965
71	2020-05-30	1.3609585	0.5774092	2.165284
72	2020-05-31	1.4550916	0.5710760	2.284304
73	2020-06-01	1.5390254	0.7392552	2.365617
74	2020-06-02	1.5983686	0.8132915	2.439875

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-03	1.6255920	0.8292914	2.369404
76	2020-06-04	1.6182130	0.9130451	2.333337
77	2020-06-05	1.5782701	0.9298206	2.324552
78	2020-06-06	1.5080434	0.8722735	2.180684
79	2020-06-07	1.4161186	0.8388785	1.935873
80	2020-06-08	1.3290865	0.8016009	1.849848
81	2020-06-09	1.2488445	0.7890711	1.690867
82	2020-06-10	1.1785331	0.7364004	1.630601
83	2020-06-11	1.1168708	0.6702962	1.546837
84	2020-06-12	1.0587167	0.6151604	1.486638
85	2020-06-13	1.0008113	0.5899164	1.376472
86	2020-06-14	0.9450839	0.5651044	1.318577
87	2020-06-15	0.8950211	0.5107089	1.253558
88	2020-06-16	0.8533281	0.5118646	1.209862
89	2020-06-17	0.8223440	0.4469696	1.191919
90	2020-06-18	0.8026066	0.4185898	1.151122
91	2020-06-19	0.7970702	0.4196419	1.154015
92	2020-06-20	0.8104167	0.4131626	1.187843
93	2020-06-21	0.8441667	0.4482363	1.280675
94	2020-06-22	0.8885933	0.4701444	1.343270
95	2020-06-23	0.9401376	0.4833164	1.380904
96	2020-06-24	0.9943158	0.5271280	1.506080
97	2020-06-25	1.0443970	0.5154562	1.546369
98	2020-06-26	1.0878368	0.5930727	1.630950
99	2020-06-27	1.1219735	0.5861097	1.611802
100	2020-06-28	1.1466213	0.6427619	1.642614
101	2020-06-29	1.1643461	0.6539384	1.634846
102	2020-06-30	1.1810485	0.6827133	1.706783
103	2020-07-01	1.1971112	0.6792220	1.667181
104	2020-07-02	1.2189547	0.7301780	1.703749
105	2020-07-03	1.2455925	0.7522641	1.735994
106	2020-07-04	1.2745186	0.7558800	1.744338
107	2020-07-05	1.2985562	0.7816538	1.786637
108	2020-07-06	1.3141015	0.8490531	1.804238
109	2020-07-07	1.3210017	0.8015916	1.816941
110	2020-07-08	1.3216192	0.8861162	1.772233
111	2020-07-09	1.3295585	0.9128889	1.746396
112	2020-07-10	1.3564280	0.9310031	1.784423
113	2020-07-11	1.3977993	0.9821353	1.807129
114	2020-07-12	1.4422316	1.0235272	1.864282
115	2020-07-13	1.4802266	1.0521464	1.916410
116	2020-07-14	1.4983184	1.1025336	1.904376
117	2020-07-15	1.4965181	1.0934084	1.874414
118	2020-07-16	1.4782799	1.1141278	1.839606
119	2020-07-17	1.4577433	1.1191317	1.800342
120	2020-07-18	1.4409583	1.1114415	1.761530
121	2020-07-19	1.4367249	1.1130930	1.743146
122	2020-07-20	1.4388802	1.1071191	1.771391
123	2020-07-21	1.4387749	1.0927702	1.767033
124	2020-07-22	1.4321589	1.0846982	1.782004
125	2020-07-23	1.4157891	1.0306511	1.780216
126	2020-07-24	1.3867879	0.9346217	1.826761

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-25	1.3468754	0.8098931	1.914293
128	2020-07-26	1.3167011	0.4580876	2.290438

## Woj. mazowieckie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. mazowieckie)



dzień	data	$Re(n)$	dolna granica CI	górna granica CI
1	2020-03-20	4.0275502	3.1663889	4.6277992
2	2020-03-21	2.6933095	1.8460940	3.4513931
3	2020-03-22	2.2451141	1.5809950	2.9090308
4	2020-03-23	2.1019282	1.4676266	2.7004329
5	2020-03-24	2.0660548	1.4350148	2.6978278
6	2020-03-25	2.0473017	1.4473156	2.6361820
7	2020-03-26	2.0088766	1.4423176	2.5589505
8	2020-03-27	1.9372073	1.5115779	2.3580615
9	2020-03-28	1.8539858	1.4402967	2.2756687
10	2020-03-29	1.7453849	1.3549826	2.1187001
11	2020-03-30	1.6174506	1.2730796	1.9635635
12	2020-03-31	1.4827516	1.2009105	1.7526803
13	2020-04-01	1.3686167	1.0910337	1.6286445
14	2020-04-02	1.2748805	1.0295123	1.5036297
15	2020-04-03	1.2110491	0.9901671	1.4357423
16	2020-04-04	1.1732343	0.9472249	1.4018929
17	2020-04-05	1.1453134	0.9208883	1.3624100
18	2020-04-06	1.1146621	0.8966939	1.3385431
19	2020-04-07	1.0721079	0.8580303	1.2806422
20	2020-04-08	1.0184148	0.8254968	1.2159345
21	2020-04-09	0.9648123	0.7805037	1.1447388
22	2020-04-10	0.9186580	0.7419325	1.1022996

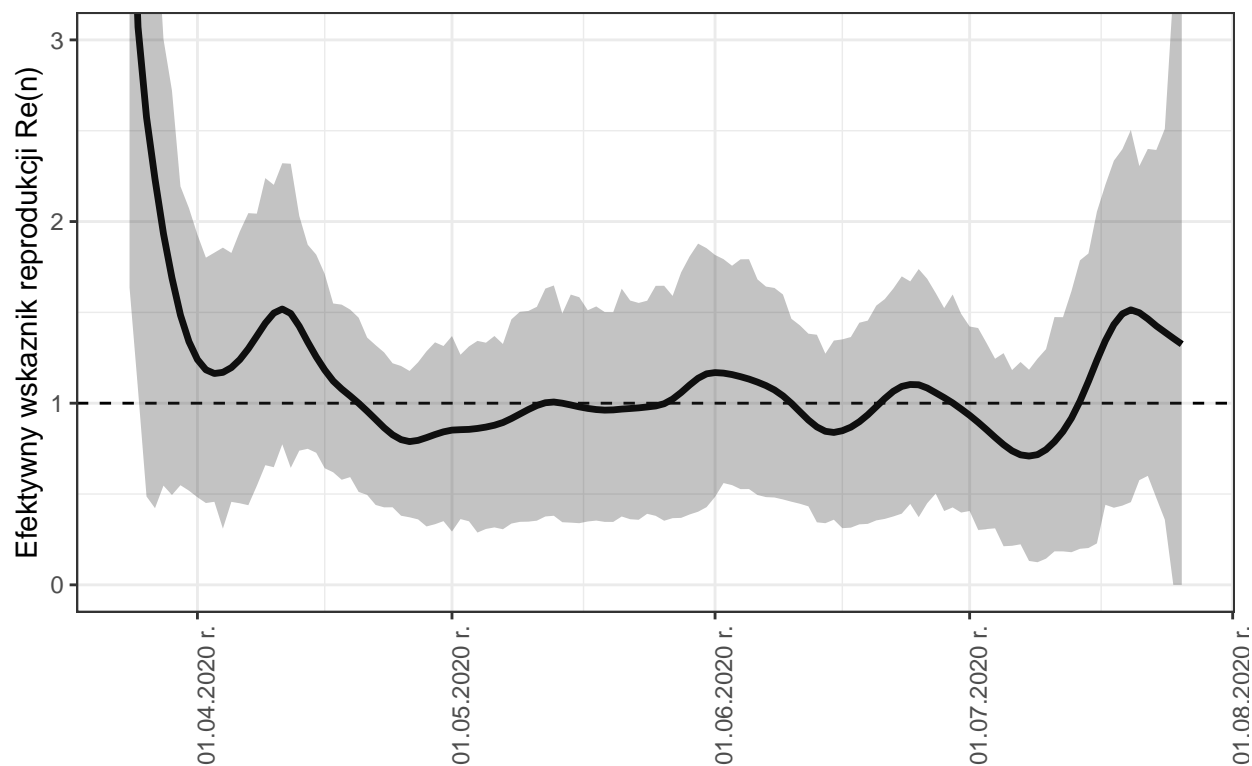
dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-11	0.8815445	0.7094404	1.0534115
24	2020-04-12	0.8546080	0.6696348	1.0328265
25	2020-04-13	0.8364898	0.6555776	1.0121198
26	2020-04-14	0.8268375	0.6401342	1.0145524
27	2020-04-15	0.8223638	0.6329683	0.9981422
28	2020-04-16	0.8200532	0.6250685	1.0055450
29	2020-04-17	0.8132022	0.6164078	1.0126700
30	2020-04-18	0.7998207	0.6017575	0.9980368
31	2020-04-19	0.7838590	0.5799579	0.9814673
32	2020-04-20	0.7705667	0.5755426	0.9739952
33	2020-04-21	0.7655178	0.5623564	0.9575257
34	2020-04-22	0.7701503	0.5559003	0.9770369
35	2020-04-23	0.7805679	0.5593885	0.9882530
36	2020-04-24	0.7921749	0.5482834	1.0153396
37	2020-04-25	0.8015293	0.5644935	1.0421418
38	2020-04-26	0.8073261	0.5638052	1.0408711
39	2020-04-27	0.8115159	0.5703632	1.0529783
40	2020-04-28	0.8154934	0.5657681	1.0636440
41	2020-04-29	0.8191333	0.5556343	1.0860125
42	2020-04-30	0.8198501	0.5513210	1.0775820
43	2020-05-01	0.8197183	0.5569382	1.0873555
44	2020-05-02	0.8186607	0.5316014	1.0911819
45	2020-05-03	0.8176880	0.5431974	1.0863947
46	2020-05-04	0.8194966	0.5275899	1.1138008
47	2020-05-05	0.8262920	0.5331474	1.0959142
48	2020-05-06	0.8393834	0.5527441	1.1380026
49	2020-05-07	0.8559800	0.5339466	1.1746826
50	2020-05-08	0.8741873	0.5662202	1.2032180
51	2020-05-09	0.8956173	0.5548167	1.2205968
52	2020-05-10	0.9195049	0.5904442	1.2546940
53	2020-05-11	0.9458561	0.5868078	1.2909771
54	2020-05-12	0.9718769	0.6060874	1.3333922
55	2020-05-13	0.9964269	0.6171793	1.3577945
56	2020-05-14	1.0199172	0.6636550	1.4102669
57	2020-05-15	1.0440569	0.6732549	1.3861130
58	2020-05-16	1.0720120	0.6766075	1.4328159
59	2020-05-17	1.1027803	0.7129436	1.4654951
60	2020-05-18	1.1337036	0.7245262	1.5295553
61	2020-05-19	1.1599505	0.7756612	1.5513223
62	2020-05-20	1.1775063	0.7716581	1.5433162
63	2020-05-21	1.1866121	0.8028309	1.5674317
64	2020-05-22	1.1869044	0.8276478	1.5518396
65	2020-05-23	1.1831918	0.8293245	1.5259571
66	2020-05-24	1.1763434	0.8181768	1.5381725
67	2020-05-25	1.1661951	0.8182302	1.5105789
68	2020-05-26	1.1547398	0.7941716	1.4967079
69	2020-05-27	1.1442050	0.7963869	1.4505618
70	2020-05-28	1.1385508	0.8030478	1.4399477
71	2020-05-29	1.1376783	0.8041344	1.4418961
72	2020-05-30	1.1392613	0.8228581	1.4333658
73	2020-05-31	1.1426363	0.8186168	1.4523846
74	2020-06-01	1.1447427	0.8294197	1.4514844

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-02	1.1439930	0.8269189	1.4533726
76	2020-06-03	1.1404791	0.8293830	1.4392234
77	2020-06-04	1.1348843	0.8464365	1.4412298
78	2020-06-05	1.1296904	0.8406199	1.4313258
79	2020-06-06	1.1239850	0.8348088	1.4059937
80	2020-06-07	1.1181461	0.8390177	1.3983629
81	2020-06-08	1.1117787	0.8272112	1.3855788
82	2020-06-09	1.1051806	0.8219954	1.3699924
83	2020-06-10	1.0963778	0.8340441	1.3503572
84	2020-06-11	1.0878655	0.8130350	1.3357004
85	2020-06-12	1.0797093	0.8105589	1.3195145
86	2020-06-13	1.0711732	0.7979298	1.3298830
87	2020-06-14	1.0596801	0.7991581	1.3014196
88	2020-06-15	1.0448063	0.7857159	1.2795292
89	2020-06-16	1.0266899	0.7751950	1.2619453
90	2020-06-17	1.0064597	0.7552916	1.2295445
91	2020-06-18	0.9866538	0.7465374	1.2152934
92	2020-06-19	0.9692922	0.7344526	1.1956205
93	2020-06-20	0.9560322	0.7115078	1.1974156
94	2020-06-21	0.9460888	0.7031306	1.1777438
95	2020-06-22	0.9381108	0.7015830	1.1693051
96	2020-06-23	0.9298990	0.6967120	1.1611866
97	2020-06-24	0.9202284	0.6716767	1.1567765
98	2020-06-25	0.9063508	0.6680519	1.1319768
99	2020-06-26	0.8891469	0.6557789	1.1186816
100	2020-06-27	0.8697157	0.6443402	1.0991685
101	2020-06-28	0.8531151	0.6145547	1.0754707
102	2020-06-29	0.8431384	0.5990871	1.0628965
103	2020-06-30	0.8425426	0.6001157	1.0802082
104	2020-07-01	0.8504823	0.5921635	1.0965991
105	2020-07-02	0.8624998	0.5983716	1.1046860
106	2020-07-03	0.8758129	0.6124544	1.1269160
107	2020-07-04	0.8878336	0.6210115	1.1426612
108	2020-07-05	0.8988960	0.6222313	1.1697948
109	2020-07-06	0.9103686	0.6376377	1.1987588
110	2020-07-07	0.9230354	0.6396272	1.1993009
111	2020-07-08	0.9374163	0.6532004	1.2280167
112	2020-07-09	0.9559418	0.6674096	1.2513930
113	2020-07-10	0.9771406	0.6775585	1.2738100
114	2020-07-11	1.0023143	0.6895728	1.3216812
115	2020-07-12	1.0291793	0.7094067	1.3336846
116	2020-07-13	1.0589856	0.7270400	1.3959169
117	2020-07-14	1.0919360	0.7515449	1.4129045
118	2020-07-15	1.1287402	0.8092710	1.4566877
119	2020-07-16	1.1739022	0.8592179	1.4767808
120	2020-07-17	1.2226969	0.8816675	1.5642487
121	2020-07-18	1.2654185	0.9102998	1.6214715
122	2020-07-19	1.2958439	0.9506869	1.6420955
123	2020-07-20	1.3098489	0.9549510	1.6711642
124	2020-07-21	1.3065683	0.9499899	1.6624823
125	2020-07-22	1.2924297	0.9139244	1.6387610
126	2020-07-23	1.2759914	0.8765692	1.6734502

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-24	1.2597172	0.7725281	1.7827572
128	2020-07-25	1.2424648	0.6511268	1.9533803
129	2020-07-26	1.2361694	0.3351811	2.6814489

## Woj. opolskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. opolskie)

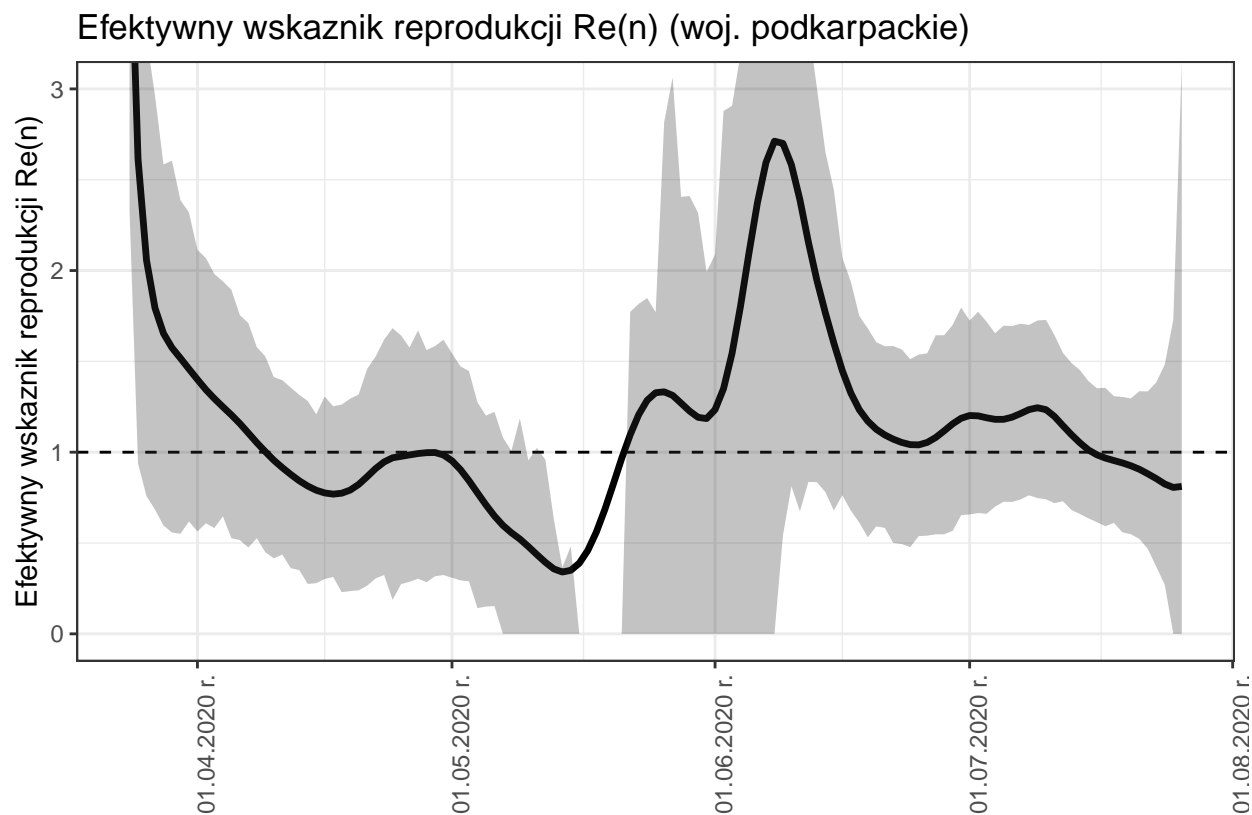


dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-24	4.3594606	1.6372549	5.457516
2	2020-03-25	3.0708796	1.0742706	4.834218
3	2020-03-26	2.5741292	0.4865404	4.378863
4	2020-03-27	2.2337928	0.4220450	3.798405
5	2020-03-28	1.9330276	0.5461920	3.004056
6	2020-03-29	1.6895923	0.4947327	2.721030
7	2020-03-30	1.4846554	0.5483952	2.193581
8	2020-03-31	1.3389933	0.5185018	2.074007
9	2020-04-01	1.2404637	0.4820144	1.928058
10	2020-04-02	1.1837331	0.4503171	1.801268
11	2020-04-03	1.1635608	0.4571723	1.828689
12	2020-04-04	1.1697258	0.3094068	1.856440
13	2020-04-05	1.1959594	0.4567901	1.827160
14	2020-04-06	1.2401246	0.4490178	1.945744
15	2020-04-07	1.2997164	0.4384825	2.046251
16	2020-04-08	1.3694609	0.5449374	2.043515
17	2020-04-09	1.4404726	0.6585850	2.239189
18	2020-04-10	1.4962069	0.6476534	2.202022
19	2020-04-11	1.5182754	0.7736684	2.321005
20	2020-04-12	1.4938248	0.6439031	2.318051
21	2020-04-13	1.4236099	0.7386216	2.031209
22	2020-04-14	1.3366431	0.7488987	1.872247

dzień	data	Re(n)	dolna granica CI	górną granica CI
23	2020-04-15	1.2550748	0.7271253	1.817813
24	2020-04-16	1.1830248	0.6419197	1.711786
25	2020-04-17	1.1221785	0.6195917	1.548979
26	2020-04-18	1.0780722	0.5784791	1.542611
27	2020-04-19	1.0398677	0.5929851	1.515407
28	2020-04-20	0.9998562	0.5115732	1.470773
29	2020-04-21	0.9564237	0.4950656	1.361430
30	2020-04-22	0.9107100	0.4397922	1.319377
31	2020-04-23	0.8648335	0.4265386	1.279616
32	2020-04-24	0.8258265	0.4269624	1.219892
33	2020-04-25	0.7994489	0.3804501	1.204759
34	2020-04-26	0.7886419	0.3718046	1.177381
35	2020-04-27	0.7953155	0.3603583	1.225218
36	2020-04-28	0.8105494	0.3214513	1.285805
37	2020-04-29	0.8274710	0.3337775	1.335110
38	2020-04-30	0.8422944	0.3505948	1.314731
39	2020-05-01	0.8518767	0.2934954	1.369645
40	2020-05-02	0.8542257	0.3619436	1.266803
41	2020-05-03	0.8558243	0.3500000	1.312500
42	2020-05-04	0.8609773	0.2878109	1.343117
43	2020-05-05	0.8684687	0.3076186	1.333014
44	2020-05-06	0.8786473	0.3161259	1.369879
45	2020-05-07	0.8935360	0.3060071	1.326031
46	2020-05-08	0.9155872	0.3372692	1.461500
47	2020-05-09	0.9403305	0.3469043	1.503252
48	2020-05-10	0.9651570	0.3479375	1.507729
49	2020-05-11	0.9871925	0.3532461	1.530733
50	2020-05-12	1.0024045	0.3763278	1.630754
51	2020-05-13	1.0063810	0.3803312	1.648102
52	2020-05-14	1.0000418	0.3447519	1.493925
53	2020-05-15	0.9902582	0.3423983	1.597859
54	2020-05-16	0.9798805	0.3392941	1.583373
55	2020-05-17	0.9713870	0.3488229	1.511566
56	2020-05-18	0.9650816	0.3536882	1.532649
57	2020-05-19	0.9618257	0.3465475	1.501706
58	2020-05-20	0.9630646	0.3464117	1.501117
59	2020-05-21	0.9675437	0.3762254	1.630310
60	2020-05-22	0.9706869	0.3611958	1.565182
61	2020-05-23	0.9743426	0.3581338	1.551913
62	2020-05-24	0.9793079	0.3910407	1.564163
63	2020-05-25	0.9847243	0.3798456	1.645998
64	2020-05-26	0.9969840	0.3528088	1.646441
65	2020-05-27	1.0224677	0.3670462	1.590534
66	2020-05-28	1.0584745	0.3685281	1.719798
67	2020-05-29	1.0999355	0.3873832	1.807788
68	2020-05-30	1.1371825	0.4025243	1.878447
69	2020-05-31	1.1616952	0.4277042	1.853385
70	2020-06-01	1.1685371	0.4842930	1.816099
71	2020-06-02	1.1656079	0.5602920	1.792934
72	2020-06-03	1.1575807	0.5489665	1.756693
73	2020-06-04	1.1460370	0.5270382	1.791930
74	2020-06-05	1.1326513	0.5272435	1.792628

dzień	data	Re(n)	dolna granica CI	górną granica CI
75	2020-06-06	1.1160525	0.4946108	1.681677
76	2020-06-07	1.0970678	0.4829431	1.642006
77	2020-06-08	1.0729336	0.4807326	1.634491
78	2020-06-09	1.0404208	0.4701570	1.598534
79	2020-06-10	0.9994314	0.4576659	1.464531
80	2020-06-11	0.9530700	0.4463984	1.428475
81	2020-06-12	0.9071694	0.4320807	1.382658
82	2020-06-13	0.8693069	0.3441938	1.376775
83	2020-06-14	0.8452429	0.3393450	1.272544
84	2020-06-15	0.8389862	0.3586295	1.344861
85	2020-06-16	0.8484205	0.3118349	1.351284
86	2020-06-17	0.8678649	0.3148235	1.364235
87	2020-06-18	0.8978224	0.3329648	1.442848
88	2020-06-19	0.9361327	0.3357251	1.454809
89	2020-06-20	0.9807082	0.3547188	1.537115
90	2020-06-21	1.0257212	0.3630284	1.573123
91	2020-06-22	1.0651507	0.3763072	1.630664
92	2020-06-23	1.0923169	0.3918919	1.698198
93	2020-06-24	1.1028498	0.4454826	1.670560
94	2020-06-25	1.1014343	0.3725075	1.738368
95	2020-06-26	1.0836225	0.4492374	1.684640
96	2020-06-27	1.0574329	0.5020434	1.606539
97	2020-06-28	1.0304903	0.4063269	1.523726
98	2020-06-29	1.0016341	0.4262345	1.598379
99	2020-06-30	0.9681830	0.3979614	1.492355
100	2020-07-01	0.9331805	0.4063893	1.422363
101	2020-07-02	0.8948991	0.3029614	1.413820
102	2020-07-03	0.8540245	0.3071230	1.330866
103	2020-07-04	0.8118256	0.3111714	1.244686
104	2020-07-05	0.7715298	0.2125744	1.275446
105	2020-07-06	0.7376075	0.2149584	1.182271
106	2020-07-07	0.7156545	0.2230558	1.226807
107	2020-07-08	0.7090678	0.1315934	1.184341
108	2020-07-09	0.7166176	0.1245022	1.245022
109	2020-07-10	0.7441741	0.1441689	1.297520
110	2020-07-11	0.7880815	0.1842727	1.474182
111	2020-07-12	0.8442161	0.1841766	1.473413
112	2020-07-13	0.9174533	0.1796714	1.617042
113	2020-07-14	1.0109964	0.1984870	1.786383
114	2020-07-15	1.1198848	0.2026990	1.824291
115	2020-07-16	1.2361684	0.2282933	2.054639
116	2020-07-17	1.3444510	0.4405885	2.202942
117	2020-07-18	1.4330932	0.4245150	2.334833
118	2020-07-19	1.4920816	0.4360659	2.398363
119	2020-07-20	1.5138700	0.4552757	2.504017
120	2020-07-21	1.4980982	0.5763332	2.305333
121	2020-07-22	1.4642776	0.5999399	2.399760
122	2020-07-23	1.4253203	0.4787939	2.393970
123	2020-07-24	1.3912110	0.3586207	2.510345
124	2020-07-25	1.3576279	0.0000000	3.267992
125	2020-07-26	1.3248227	0.0000000	5.803399

## Woj. podkarpackie

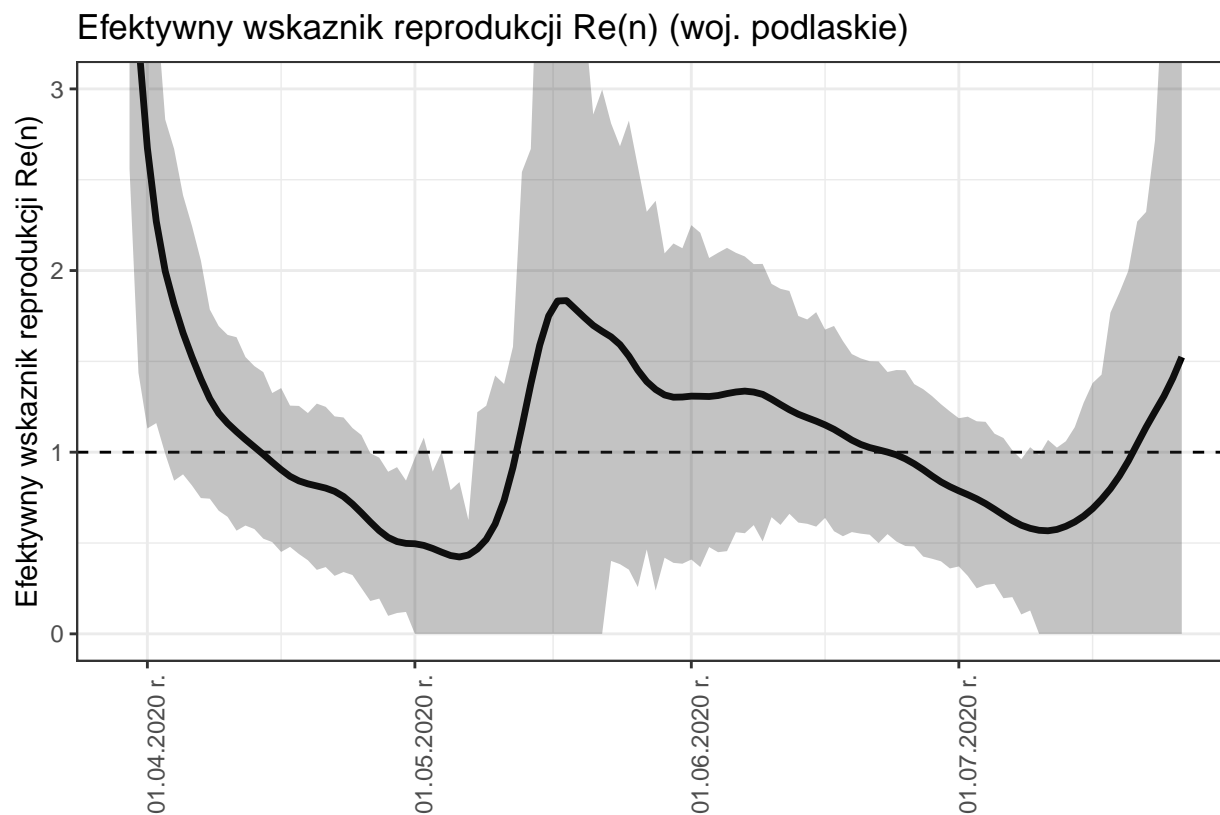


dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-24	4.0848488	2.3321492	5.3306267
2	2020-03-25	2.6152593	0.9387800	4.0680467
3	2020-03-26	2.0561965	0.7576842	3.2832981
4	2020-03-27	1.7935383	0.6838754	2.9634602
5	2020-03-28	1.6539902	0.5964488	2.5846117
6	2020-03-29	1.5751497	0.5580507	2.6042366
7	2020-03-30	1.5174194	0.5508239	2.3869035
8	2020-03-31	1.4582870	0.6187213	2.3202047
9	2020-04-01	1.4002318	0.5637503	2.1140636
10	2020-04-02	1.3440234	0.6084985	2.0688948
11	2020-04-03	1.2949679	0.5825415	1.9806410
12	2020-04-04	1.2493466	0.6468573	1.9405718
13	2020-04-05	1.2053346	0.5261995	1.8943181
14	2020-04-06	1.1580003	0.5160480	1.7545631
15	2020-04-07	1.1054800	0.4753007	1.7110825
16	2020-04-08	1.0523394	0.5261701	1.5785102
17	2020-04-09	1.0028759	0.4491633	1.5271552
18	2020-04-10	0.9557534	0.4157365	1.4135042
19	2020-04-11	0.9150681	0.4364435	1.3966192
20	2020-04-12	0.8775124	0.3614854	1.3555703
21	2020-04-13	0.8425791	0.3508794	1.3157976
22	2020-04-14	0.8135366	0.2747135	1.2819965

dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-15	0.7905582	0.2789131	1.2086235
24	2020-04-16	0.7756574	0.3015184	1.3065796
25	2020-04-17	0.7692308	0.3132004	1.2528017
26	2020-04-18	0.7742003	0.2294646	1.2620552
27	2020-04-19	0.7914084	0.2354268	1.2948472
28	2020-04-20	0.8225154	0.2395387	1.3174627
29	2020-04-21	0.8651302	0.2650784	1.4579314
30	2020-04-22	0.9099790	0.3053435	1.5267176
31	2020-04-23	0.9464311	0.3239777	1.6198886
32	2020-04-24	0.9693067	0.1869609	1.6826477
33	2020-04-25	0.9770490	0.2737559	1.6425356
34	2020-04-26	0.9849785	0.2865736	1.5761551
35	2020-04-27	0.9926371	0.3037516	1.6706339
36	2020-04-28	0.9973099	0.2839989	1.5619941
37	2020-04-29	0.9981638	0.3168575	1.5842875
38	2020-04-30	0.9846722	0.3238118	1.6190589
39	2020-05-01	0.9526428	0.3088389	1.5441944
40	2020-05-02	0.9038806	0.2944599	1.4722997
41	2020-05-03	0.8430696	0.2893781	1.4468907
42	2020-05-04	0.7760592	0.1416084	1.2744760
43	2020-05-05	0.7100580	0.1501827	1.2014614
44	2020-05-06	0.6488188	0.1527545	1.2220363
45	2020-05-07	0.5971771	0.0000000	1.0810087
46	2020-05-08	0.5566774	0.0000000	1.0075274
47	2020-05-09	0.5217808	0.0000000	1.1856293
48	2020-05-10	0.4804718	0.0000000	0.9543933
49	2020-05-11	0.4364341	0.0000000	1.0231008
50	2020-05-12	0.3939862	0.0000000	0.9594272
51	2020-05-13	0.3576057	0.0000000	0.6309775
52	2020-05-14	0.3402466	0.0000000	0.3656844
53	2020-05-15	0.3495931	0.0000000	0.4812892
54	2020-05-16	0.3888339	0.0000000	0.0000000
55	2020-05-17	0.4588802	0.0000000	0.0000000
56	2020-05-18	0.5591938	0.0000000	0.0000000
57	2020-05-19	0.6829338	0.0000000	0.0000000
58	2020-05-20	0.8230242	0.0000000	0.0000000
59	2020-05-21	0.9662916	0.0000000	0.0000000
60	2020-05-22	1.0960445	0.0000000	1.7722132
61	2020-05-23	1.2063306	0.0000000	1.8167450
62	2020-05-24	1.2857876	0.0000000	1.8483554
63	2020-05-25	1.3274483	0.0000000	1.7706109
64	2020-05-26	1.3323631	0.0000000	2.8155668
65	2020-05-27	1.3127392	0.0000000	3.0640000
66	2020-05-28	1.2699908	0.0000000	2.4058787
67	2020-05-29	1.2263285	0.0000000	2.4103699
68	2020-05-30	1.1917600	0.0000000	2.3174202
69	2020-05-31	1.1852800	0.0000000	1.9930685
70	2020-06-01	1.2340463	0.0000000	2.0879765
71	2020-06-02	1.3498124	0.0000000	2.8782587
72	2020-06-03	1.5436767	0.0000000	2.9070339
73	2020-06-04	1.8040912	0.0000000	3.1930574
74	2020-06-05	2.0971102	0.0000000	4.9458918

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-06	2.3744125	0.0000000	5.0326975
76	2020-06-07	2.5945927	0.0000000	4.6480900
77	2020-06-08	2.7120617	0.0000000	5.2395626
78	2020-06-09	2.6999091	0.5411033	4.3288267
79	2020-06-10	2.5823478	0.8124460	4.0622299
80	2020-06-11	2.3898709	0.6745240	4.0471442
81	2020-06-12	2.1560453	0.8364370	3.3457481
82	2020-06-13	1.9459351	0.8352811	3.0070121
83	2020-06-14	1.7670224	0.7803725	2.6532665
84	2020-06-15	1.6005851	0.6790034	2.4444122
85	2020-06-16	1.4486033	0.7631966	2.0715338
86	2020-06-17	1.3255372	0.6784430	1.9384085
87	2020-06-18	1.2335384	0.6123467	1.7495619
88	2020-06-19	1.1708837	0.5310209	1.6815660
89	2020-06-20	1.1262649	0.5914317	1.6053146
90	2020-06-21	1.0950049	0.5833995	1.5835128
91	2020-06-22	1.0717972	0.5002920	1.5842580
92	2020-06-23	1.0536204	0.4944846	1.5658678
93	2020-06-24	1.0416689	0.4775291	1.5121756
94	2020-06-25	1.0403914	0.5380483	1.5372809
95	2020-06-26	1.0536601	0.5405174	1.5443355
96	2020-06-27	1.0807924	0.5477942	1.6433827
97	2020-06-28	1.1173440	0.5480549	1.6441647
98	2020-06-29	1.1560279	0.5668332	1.7004997
99	2020-06-30	1.1866295	0.6531858	1.7962610
100	2020-07-01	1.2019707	0.6569771	1.7245649
101	2020-07-02	1.2000919	0.6648697	1.7729858
102	2020-07-03	1.1893804	0.6608375	1.7181776
103	2020-07-04	1.1808276	0.7002400	1.6551126
104	2020-07-05	1.1807768	0.7272422	1.6968985
105	2020-07-06	1.1927144	0.7261801	1.6944203
106	2020-07-07	1.2126343	0.7398374	1.7073171
107	2020-07-08	1.2345274	0.7624307	1.7008069
108	2020-07-09	1.2447437	0.7474973	1.7249937
109	2020-07-10	1.2341620	0.7407800	1.7284868
110	2020-07-11	1.1966619	0.7192113	1.6439116
111	2020-07-12	1.1458091	0.7301105	1.5461164
112	2020-07-13	1.0964531	0.6817147	1.4912510
113	2020-07-14	1.0515370	0.6596537	1.4512381
114	2020-07-15	1.0122494	0.6361271	1.3915280
115	2020-07-16	0.9855188	0.6146426	1.3522136
116	2020-07-17	0.9675630	0.5925410	1.3543795
117	2020-07-18	0.9540023	0.6106335	1.3085003
118	2020-07-19	0.9411389	0.5589317	1.3041739
119	2020-07-20	0.9254572	0.5482611	1.2958898
120	2020-07-21	0.9060196	0.5226518	1.3356656
121	2020-07-22	0.8811245	0.4670894	1.3345412
122	2020-07-23	0.8544858	0.3692168	1.3845629
123	2020-07-24	0.8246732	0.2697014	1.4833575
124	2020-07-25	0.8058576	0.0000000	1.7286177
125	2020-07-26	0.8116569	0.0000000	3.1436280

## Woj. podlaskie



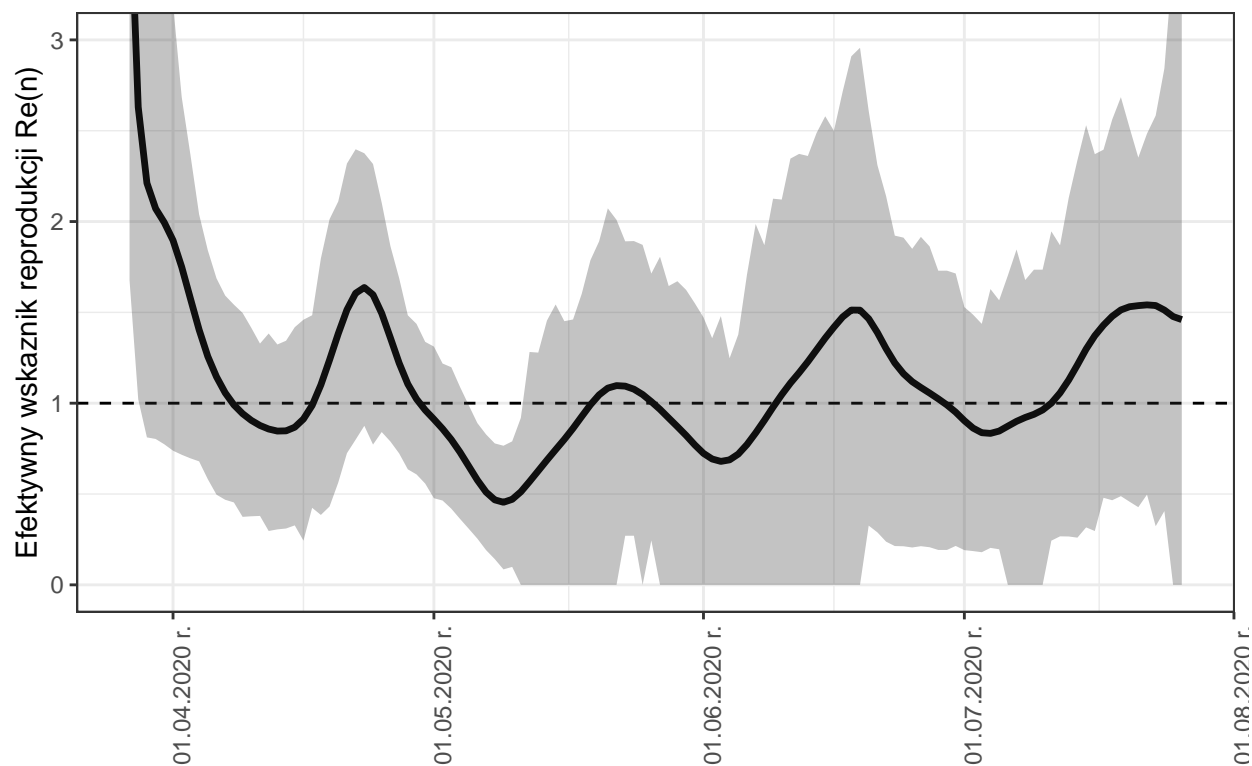
dzień	data	$Re(n)$	dolna granica CI	górna granica CI
1	2020-03-30	4.5204330	2.5606407	5.7614416
2	2020-03-31	3.2717717	1.4369266	5.0292431
3	2020-04-01	2.6745235	1.1306939	4.2401022
4	2020-04-02	2.2710010	1.1601796	3.4805389
5	2020-04-03	1.9970402	0.9910932	2.8316948
6	2020-04-04	1.8133149	0.8430108	2.6695341
7	2020-04-05	1.6564779	0.8779864	2.4144626
8	2020-04-06	1.5241384	0.8167850	2.2461587
9	2020-04-07	1.4030207	0.7475316	2.0557119
10	2020-04-08	1.2946284	0.7439946	1.7855871
11	2020-04-09	1.2143340	0.6776919	1.6942296
12	2020-04-10	1.1589926	0.6439498	1.6456495
13	2020-04-11	1.1130741	0.5679735	1.6329238
14	2020-04-12	1.0700016	0.5962888	1.5238490
15	2020-04-13	1.0289455	0.5768066	1.4740614
16	2020-04-14	0.9879293	0.5239182	1.4407752
17	2020-04-15	0.9448746	0.5050588	1.3257792
18	2020-04-16	0.9035950	0.4509691	1.3529072
19	2020-04-17	0.8670108	0.4786454	1.2564441
20	2020-04-18	0.8418448	0.4391225	1.2546358
21	2020-04-19	0.8258609	0.4051587	1.2154761
22	2020-04-20	0.8141572	0.3520805	1.2674900

dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-21	0.8021812	0.3675714	1.2497427
24	2020-04-22	0.7846203	0.3192394	1.1971477
25	2020-04-23	0.7558558	0.3403181	1.1911135
26	2020-04-24	0.7145200	0.3238047	1.1333163
27	2020-04-25	0.6663120	0.2525229	1.0942659
28	2020-04-26	0.6157748	0.1807426	0.9940844
29	2020-04-27	0.5684220	0.1940233	0.9701166
30	2020-04-28	0.5306460	0.0991606	0.8924457
31	2020-04-29	0.5080661	0.1147107	0.9176857
32	2020-04-30	0.4979392	0.1205640	0.8439481
33	2020-05-01	0.4960497	0.0000000	0.9684834
34	2020-05-02	0.4869652	0.0000000	1.0800910
35	2020-05-03	0.4700094	0.0000000	0.8935263
36	2020-05-04	0.4495471	0.0000000	1.0021564
37	2020-05-05	0.4310957	0.0000000	0.7908717
38	2020-05-06	0.4232260	0.0000000	0.8355352
39	2020-05-07	0.4337900	0.0000000	0.6267541
40	2020-05-08	0.4670605	0.0000000	1.2199909
41	2020-05-09	0.5194759	0.0000000	1.2557205
42	2020-05-10	0.6047685	0.0000000	1.4219074
43	2020-05-11	0.7345344	0.0000000	1.3755671
44	2020-05-12	0.9160423	0.0000000	1.5803728
45	2020-05-13	1.1392095	0.0000000	2.5427778
46	2020-05-14	1.3742200	0.0000000	2.6695279
47	2020-05-15	1.5891357	0.0000000	4.1167382
48	2020-05-16	1.7499213	0.0000000	4.0981992
49	2020-05-17	1.8324862	0.0000000	3.8814598
50	2020-05-18	1.8344160	0.0000000	3.4768412
51	2020-05-19	1.7881065	0.0000000	3.3031123
52	2020-05-20	1.7418140	0.0000000	3.4110169
53	2020-05-21	1.6979109	0.0000000	2.8591010
54	2020-05-22	1.6653050	0.0000000	2.9963100
55	2020-05-23	1.6349673	0.4015064	2.8105446
56	2020-05-24	1.5922484	0.3834890	2.6844230
57	2020-05-25	1.5288994	0.3531190	2.8249521
58	2020-05-26	1.4518609	0.2573725	2.5737251
59	2020-05-27	1.3888081	0.4647745	2.3238726
60	2020-05-28	1.3451539	0.2384041	2.3840414
61	2020-05-29	1.3150098	0.4189271	2.0946354
62	2020-05-30	1.3026976	0.3907277	2.1490025
63	2020-05-31	1.3037610	0.3859806	2.1228934
64	2020-06-01	1.3085047	0.4090719	2.2498957
65	2020-06-02	1.3077418	0.3680205	2.2081233
66	2020-06-03	1.3065400	0.4774603	2.0689947
67	2020-06-04	1.3119147	0.4495247	2.0977821
68	2020-06-05	1.3225813	0.4552995	2.1247311
69	2020-06-06	1.3314651	0.5593928	2.0977231
70	2020-06-07	1.3362407	0.5539908	2.0774655
71	2020-06-08	1.3310698	0.5986732	2.0354889
72	2020-06-09	1.3183856	0.5091191	2.0364765
73	2020-06-10	1.2918505	0.6421423	1.9264270
74	2020-06-11	1.2622037	0.5998362	1.8994812

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-12	1.2336501	0.6606696	1.8876274
76	2020-06-13	1.2089559	0.6124967	1.7499906
77	2020-06-14	1.1895820	0.6057652	1.7307576
78	2020-06-15	1.1710483	0.5902203	1.7706609
79	2020-06-16	1.1501125	0.6380883	1.6749819
80	2020-06-17	1.1259864	0.5650007	1.6950020
81	2020-06-18	1.0966596	0.5373351	1.6120054
82	2020-06-19	1.0666580	0.5600933	1.5402567
83	2020-06-20	1.0427439	0.5514352	1.5164469
84	2020-06-21	1.0255183	0.5457473	1.5008050
85	2020-06-22	1.0131856	0.4997607	1.4992822
86	2020-06-23	1.0003531	0.5491803	1.4415984
87	2020-06-24	0.9854636	0.5083611	1.4524604
88	2020-06-25	0.9633954	0.4837290	1.4511870
89	2020-06-26	0.9358978	0.4811818	1.3748050
90	2020-06-27	0.9039203	0.4253681	1.3469991
91	2020-06-28	0.8689315	0.4133195	1.3088452
92	2020-06-29	0.8363235	0.3992104	1.2641663
93	2020-06-30	0.8100777	0.3600823	1.2242798
94	2020-07-01	0.7872179	0.3709424	1.1870158
95	2020-07-02	0.7661318	0.3187951	1.1954817
96	2020-07-03	0.7432286	0.2507695	1.1702578
97	2020-07-04	0.7168057	0.2693466	1.1671687
98	2020-07-05	0.6861412	0.2754986	1.1019942
99	2020-07-06	0.6540864	0.1960340	1.0781868
100	2020-07-07	0.6232845	0.2020643	1.0103215
101	2020-07-08	0.5980822	0.1068050	0.9612446
102	2020-07-09	0.5809111	0.1284417	1.0275339
103	2020-07-10	0.5699975	0.0000000	0.9858711
104	2020-07-11	0.5673905	0.0000000	1.0675430
105	2020-07-12	0.5748997	0.0000000	1.0251818
106	2020-07-13	0.5920515	0.0000000	1.0603029
107	2020-07-14	0.6160237	0.0000000	1.1379660
108	2020-07-15	0.6482715	0.0000000	1.2728489
109	2020-07-16	0.6893361	0.0000000	1.3806154
110	2020-07-17	0.7403152	0.0000000	1.4268027
111	2020-07-18	0.7988540	0.0000000	1.7681698
112	2020-07-19	0.8689377	0.0000000	1.8771665
113	2020-07-20	0.9511775	0.0000000	1.9983510
114	2020-07-21	1.0444494	0.0000000	2.2692993
115	2020-07-22	1.1377162	0.0000000	2.3228320
116	2020-07-23	1.2237839	0.0000000	2.7177944
117	2020-07-24	1.3082387	0.0000000	3.6604893
118	2020-07-25	1.4079464	0.0000000	4.7726952
119	2020-07-26	1.5238021	0.0000000	6.4725559

## Woj. pomorskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. pomorskie)



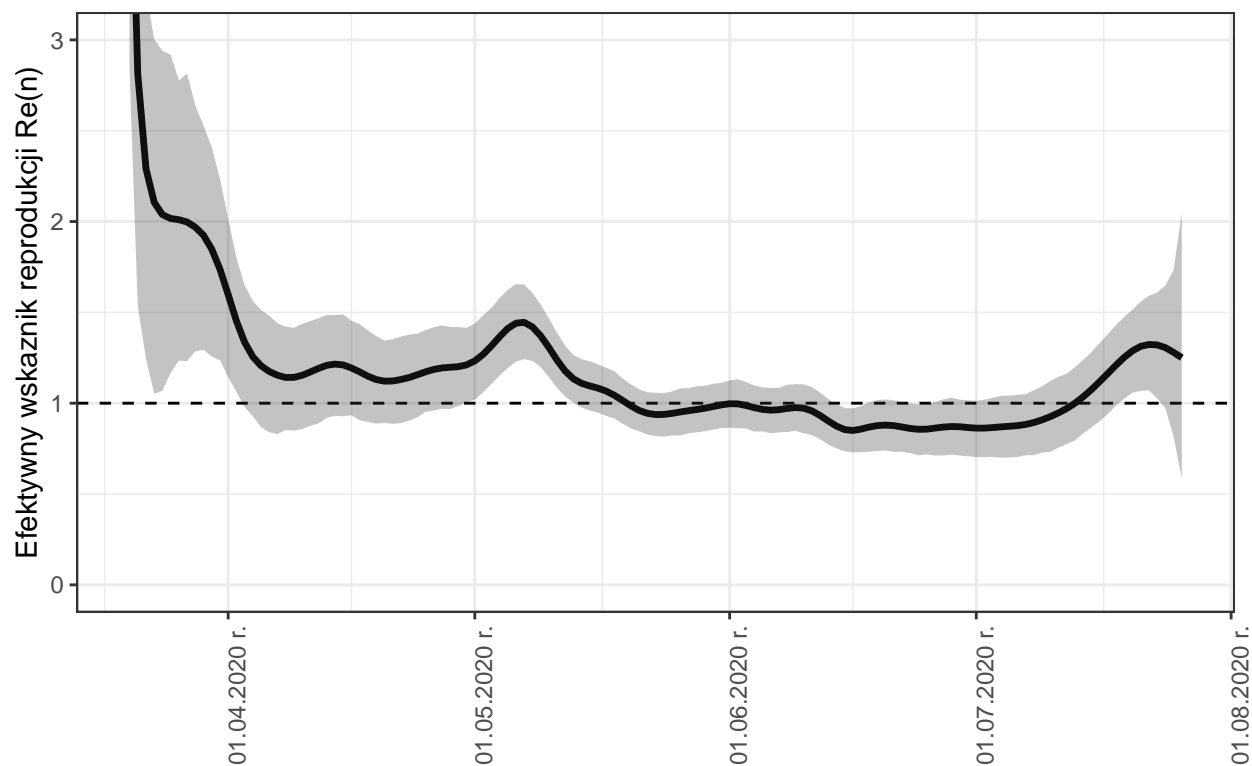
dzień	data	$Re(n)$	dolna granica CI	górna granica CI
1	2020-03-27	3.9079579	1.6775057	4.6970161
2	2020-03-28	2.6300050	1.0213358	4.0853432
3	2020-03-29	2.2117677	0.8117095	3.5174080
4	2020-03-30	2.0713374	0.8030867	3.2123470
5	2020-03-31	1.9942207	0.7736723	3.3525802
6	2020-04-01	1.8965661	0.7384456	3.1999310
7	2020-04-02	1.7494711	0.7159807	2.6849275
8	2020-04-03	1.5761913	0.6965136	2.3681462
9	2020-04-04	1.4043760	0.6798190	2.0394569
10	2020-04-05	1.2574233	0.5817226	1.8421217
11	2020-04-06	1.1453589	0.4963673	1.6876487
12	2020-04-07	1.0571199	0.4683544	1.5924051
13	2020-04-08	0.9908033	0.4536752	1.5424958
14	2020-04-09	0.9423768	0.3742667	1.4970666
15	2020-04-10	0.9054019	0.3773513	1.4150675
16	2020-04-11	0.8773668	0.3795031	1.3282609
17	2020-04-12	0.8577068	0.2964801	1.3835736
18	2020-04-13	0.8465654	0.3053693	1.3232669
19	2020-04-14	0.8476701	0.3101315	1.3439030
20	2020-04-15	0.8676723	0.3273217	1.4183942
21	2020-04-16	0.9127393	0.2432532	1.4595189
22	2020-04-17	0.9875937	0.4240533	1.4841866

dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-18	1.1006083	0.3849045	1.7962209
24	2020-04-19	1.2381734	0.4313203	2.0128282
25	2020-04-20	1.3828915	0.5628666	2.1107496
26	2020-04-21	1.5142206	0.7247758	2.3192825
27	2020-04-22	1.6055717	0.7992513	2.3977539
28	2020-04-23	1.6368746	0.8753714	2.3760081
29	2020-04-24	1.5971799	0.7722556	2.3167668
30	2020-04-25	1.4946263	0.8412240	2.1030601
31	2020-04-26	1.3595827	0.7889859	1.8648759
32	2020-04-27	1.2209859	0.7236744	1.6885736
33	2020-04-28	1.1052331	0.6359455	1.4838729
34	2020-04-29	1.0230309	0.6077891	1.4365923
35	2020-04-30	0.9621213	0.5573281	1.3375874
36	2020-05-01	0.9115789	0.4769552	1.3116269
37	2020-05-02	0.8588821	0.4641193	1.2183131
38	2020-05-03	0.7997651	0.4193156	1.1980445
39	2020-05-04	0.7305461	0.3633062	1.0899187
40	2020-05-05	0.6537677	0.3092516	0.9896052
41	2020-05-06	0.5767105	0.2544083	0.8904289
42	2020-05-07	0.5104967	0.1910732	0.8279840
43	2020-05-08	0.4678763	0.1415710	0.7786404
44	2020-05-09	0.4546543	0.0850876	0.7657883
45	2020-05-10	0.4705606	0.0987327	0.7898617
46	2020-05-11	0.5121639	0.0000000	0.9191954
47	2020-05-12	0.5686890	0.0000000	1.2820114
48	2020-05-13	0.6275256	0.0000000	1.2784012
49	2020-05-14	0.6867369	0.0000000	1.4547309
50	2020-05-15	0.7440355	0.0000000	1.5434146
51	2020-05-16	0.8008642	0.0000000	1.4513925
52	2020-05-17	0.8616458	0.0000000	1.4609173
53	2020-05-18	0.9269982	0.0000000	1.6023078
54	2020-05-19	0.9913633	0.0000000	1.7871538
55	2020-05-20	1.0459537	0.0000000	1.8912442
56	2020-05-21	1.0830399	0.0000000	2.0726029
57	2020-05-22	1.0968424	0.0000000	2.0092046
58	2020-05-23	1.0939168	0.2701618	1.8911328
59	2020-05-24	1.0771643	0.2703585	1.8925095
60	2020-05-25	1.0477172	0.0000000	1.8716834
61	2020-05-26	1.0086523	0.2448058	1.7136408
62	2020-05-27	0.9660345	0.0000000	1.8060300
63	2020-05-28	0.9183474	0.0000000	1.6449510
64	2020-05-29	0.8710240	0.0000000	1.6714444
65	2020-05-30	0.8226511	0.0000000	1.6238883
66	2020-05-31	0.7704289	0.0000000	1.5504388
67	2020-06-01	0.7238194	0.0000000	1.4725722
68	2020-06-02	0.6927286	0.0000000	1.3579578
69	2020-06-03	0.6797014	0.0000000	1.4793575
70	2020-06-04	0.6879993	0.0000000	1.2475444
71	2020-06-05	0.7199151	0.0000000	1.3781224
72	2020-06-06	0.7722558	0.0000000	1.7078011
73	2020-06-07	0.8362522	0.0000000	1.9859992
74	2020-06-08	0.9054896	0.0000000	1.8700723

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-09	0.9781778	0.0000000	2.1257415
76	2020-06-10	1.0471613	0.0000000	2.1209439
77	2020-06-11	1.1107458	0.0000000	2.3464278
78	2020-06-12	1.1676239	0.0000000	2.3724195
79	2020-06-13	1.2283234	0.0000000	2.3610138
80	2020-06-14	1.2934182	0.0000000	2.4871276
81	2020-06-15	1.3585631	0.0000000	2.5794664
82	2020-06-16	1.4185882	0.0000000	2.4995281
83	2020-06-17	1.4745407	0.0000000	2.7145300
84	2020-06-18	1.5128112	0.0000000	2.9096650
85	2020-06-19	1.5121001	0.0000000	2.9565021
86	2020-06-20	1.4649144	0.3261034	2.6088274
87	2020-06-21	1.3888427	0.2888685	2.3109480
88	2020-06-22	1.3002674	0.2377814	2.1400327
89	2020-06-23	1.2214979	0.2136165	1.9225486
90	2020-06-24	1.1621822	0.2123862	1.9114755
91	2020-06-25	1.1186384	0.2055583	1.8500243
92	2020-06-26	1.0862598	0.2128363	1.9155265
93	2020-06-27	1.0559171	0.2070180	1.8631619
94	2020-06-28	1.0240367	0.1921495	1.7293452
95	2020-06-29	0.9900795	0.1921770	1.7295931
96	2020-06-30	0.9507553	0.2142606	1.7140849
97	2020-07-01	0.9038640	0.1911533	1.5292263
98	2020-07-02	0.8629083	0.1859225	1.4873803
99	2020-07-03	0.8374636	0.1796133	1.4369065
100	2020-07-04	0.8337760	0.2035414	1.6283312
101	2020-07-05	0.8465623	0.1958021	1.5664171
102	2020-07-06	0.8735112	0.0000000	1.7030265
103	2020-07-07	0.9001081	0.0000000	1.8460781
104	2020-07-08	0.9214026	0.0000000	1.6780727
105	2020-07-09	0.9386409	0.0000000	1.7350694
106	2020-07-10	0.9626456	0.0000000	1.7351722
107	2020-07-11	1.0002739	0.2432302	1.9458416
108	2020-07-12	1.0565610	0.2670483	1.8693378
109	2020-07-13	1.1279958	0.2662911	2.1303290
110	2020-07-14	1.2110240	0.2597586	2.3378276
111	2020-07-15	1.2977830	0.3162831	2.5302647
112	2020-07-16	1.3715039	0.2963620	2.3708956
113	2020-07-17	1.4298666	0.4791199	2.3955994
114	2020-07-18	1.4782570	0.4657408	2.5615746
115	2020-07-19	1.5134698	0.4881538	2.6848461
116	2020-07-20	1.5310931	0.4575250	2.5163873
117	2020-07-21	1.5371581	0.4276426	2.3520345
118	2020-07-22	1.5412829	0.4967841	2.4839205
119	2020-07-23	1.5376553	0.3229281	2.5834246
120	2020-07-24	1.5126584	0.4061266	2.8428864
121	2020-07-25	1.4770277	0.0000000	3.4421396
122	2020-07-26	1.4602369	0.0000000	4.2496167

## Woj. śląskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. slaskie)



dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-20	4.4298891	2.8310095	5.4261015
2	2020-03-21	2.8150065	1.5350830	3.8377076
3	2020-03-22	2.2907592	1.2446466	3.2671973
4	2020-03-23	2.1056274	1.0515853	3.0045294
5	2020-03-24	2.0377085	1.0691772	2.9402374
6	2020-03-25	2.0169417	1.1673997	2.9184992
7	2020-03-26	2.0101740	1.2342711	2.7771100
8	2020-03-27	1.9974724	1.2315640	2.8150035
9	2020-03-28	1.9690843	1.2857435	2.6391576
10	2020-03-29	1.9244564	1.2943721	2.5271074
11	2020-03-30	1.8480029	1.2572944	2.4098143
12	2020-03-31	1.7378534	1.2365896	2.2353735
13	2020-04-01	1.5980231	1.1451324	2.0138536
14	2020-04-02	1.4525367	1.0626201	1.8005508
15	2020-04-03	1.3352488	0.9789773	1.6488039
16	2020-04-04	1.2552230	0.9279344	1.5628369
17	2020-04-05	1.2059037	0.8682772	1.5132832
18	2020-04-06	1.1744293	0.8395293	1.4815223
19	2020-04-07	1.1536479	0.8299187	1.4401530
20	2020-04-08	1.1414214	0.8529691	1.4216152
21	2020-04-09	1.1423212	0.8489981	1.4149968
22	2020-04-10	1.1535552	0.8577678	1.4367611

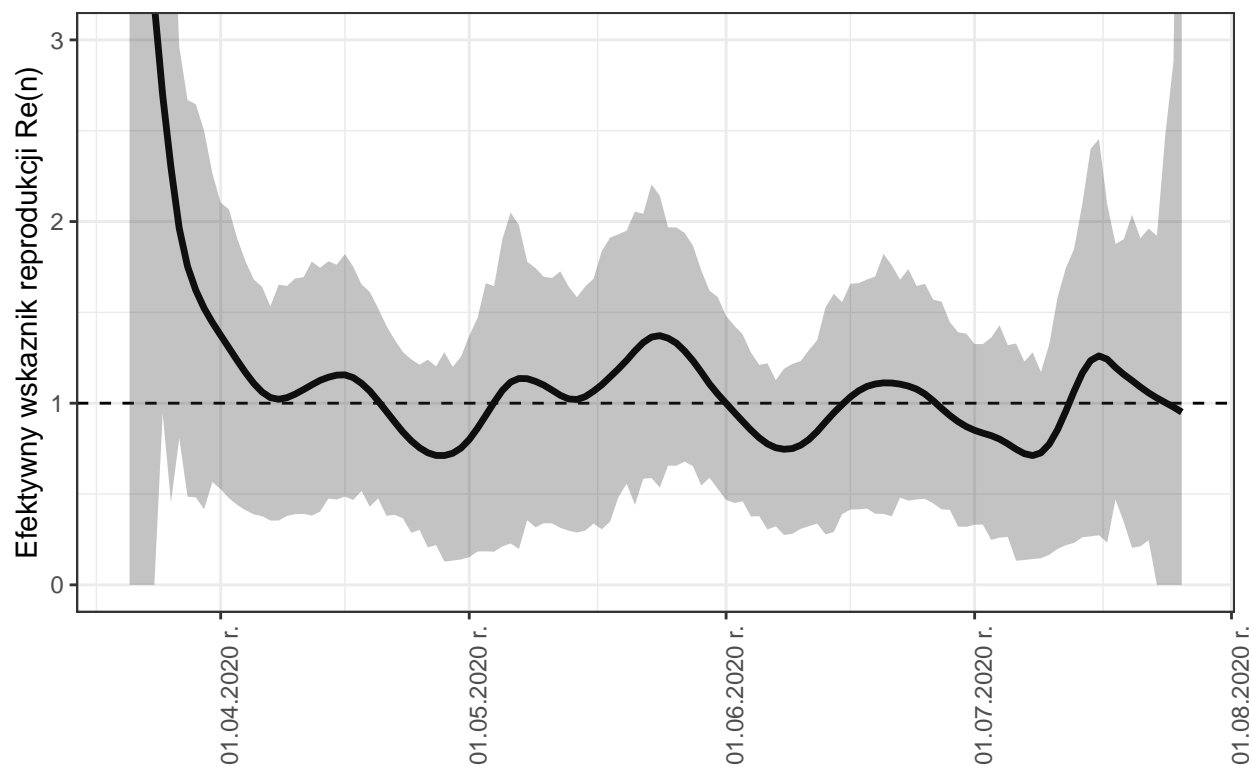
dzień	data	Re(n)	dolna granica CI	górną granica CI
23	2020-04-11	1.1718047	0.8756842	1.4523542
24	2020-04-12	1.1918243	0.8887261	1.4674315
25	2020-04-13	1.2085852	0.9204619	1.4852907
26	2020-04-14	1.2152599	0.9303598	1.4851115
27	2020-04-15	1.2103119	0.9277461	1.4882593
28	2020-04-16	1.1936999	0.9339693	1.4528411
29	2020-04-17	1.1721201	0.9057866	1.4355864
30	2020-04-18	1.1485302	0.8969773	1.4005434
31	2020-04-19	1.1303652	0.8878092	1.3693329
32	2020-04-20	1.1213276	0.8918250	1.3450476
33	2020-04-21	1.1221178	0.8864111	1.3514137
34	2020-04-22	1.1303208	0.8902338	1.3660484
35	2020-04-23	1.1410082	0.9043246	1.3773560
36	2020-04-24	1.1565126	0.9215999	1.3823998
37	2020-04-25	1.1724650	0.9529617	1.4022151
38	2020-04-26	1.1858897	0.9591290	1.4184302
39	2020-04-27	1.1940501	0.9696315	1.4282409
40	2020-04-28	1.1977699	0.9674714	1.4197957
41	2020-04-29	1.2011190	0.9846318	1.4187610
42	2020-04-30	1.2109952	1.0058670	1.4148459
43	2020-05-01	1.2329286	1.0194902	1.4380178
44	2020-05-02	1.2682459	1.0591154	1.4827615
45	2020-05-03	1.3140825	1.1047567	1.5241550
46	2020-05-04	1.3648327	1.1516357	1.5785351
47	2020-05-05	1.4108528	1.1933499	1.6237383
48	2020-05-06	1.4402860	1.2282320	1.6558386
49	2020-05-07	1.4452284	1.2423772	1.6535865
50	2020-05-08	1.4202292	1.2328364	1.6087012
51	2020-05-09	1.3715365	1.1999247	1.5437233
52	2020-05-10	1.3072824	1.1436619	1.4686369
53	2020-05-11	1.2375171	1.0843989	1.3871498
54	2020-05-12	1.1767682	1.0367283	1.3158475
55	2020-05-13	1.1340525	1.0021370	1.2647207
56	2020-05-14	1.1091073	0.9759683	1.2425742
57	2020-05-15	1.0950407	0.9591305	1.2296544
58	2020-05-16	1.0824248	0.9476989	1.2136349
59	2020-05-17	1.0661286	0.9300498	1.1950899
60	2020-05-18	1.0429336	0.9149624	1.1750532
61	2020-05-19	1.0145360	0.8869296	1.1358129
62	2020-05-20	0.9848354	0.8607916	1.1030245
63	2020-05-21	0.9599351	0.8450875	1.0763304
64	2020-05-22	0.9441134	0.8275658	1.0603187
65	2020-05-23	0.9372797	0.8197009	1.0576786
66	2020-05-24	0.9380879	0.8156883	1.0545363
67	2020-05-25	0.9440246	0.8227779	1.0644979
68	2020-05-26	0.9518478	0.8219453	1.0812494
69	2020-05-27	0.9586573	0.8342337	1.0830402
70	2020-05-28	0.9651985	0.8395997	1.0934321
71	2020-05-29	0.9725232	0.8456663	1.0955223
72	2020-05-30	0.9815650	0.8548259	1.1073882
73	2020-05-31	0.9906096	0.8636344	1.1110802
74	2020-06-01	0.9970352	0.8648744	1.1258721

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-02	0.9961904	0.8617921	1.1314326
76	2020-06-03	0.9872017	0.8609495	1.1163932
77	2020-06-04	0.9753827	0.8443951	1.0967431
78	2020-06-05	0.9657985	0.8446900	1.0874170
79	2020-06-06	0.9615843	0.8349095	1.0844227
80	2020-06-07	0.9643247	0.8398327	1.0839702
81	2020-06-08	0.9711316	0.8415765	1.1017001
82	2020-06-09	0.9758297	0.8478385	1.1044539
83	2020-06-10	0.9727261	0.8343887	1.1035463
84	2020-06-11	0.9578732	0.8249756	1.0891835
85	2020-06-12	0.9321377	0.8014925	1.0583811
86	2020-06-13	0.9018841	0.7724316	1.0230883
87	2020-06-14	0.8736843	0.7514082	0.9951081
88	2020-06-15	0.8546223	0.7347162	0.9730026
89	2020-06-16	0.8498064	0.7292957	0.9723943
90	2020-06-17	0.8575964	0.7303250	0.9833509
91	2020-06-18	0.8689275	0.7326482	1.0065949
92	2020-06-19	0.8768107	0.7373827	1.0170796
93	2020-06-20	0.8795729	0.7393554	1.0207030
94	2020-06-21	0.8761770	0.7317459	1.0152151
95	2020-06-22	0.8686659	0.7325577	1.0056019
96	2020-06-23	0.8606263	0.7250203	0.9979633
97	2020-06-24	0.8561919	0.7131476	0.9916147
98	2020-06-25	0.8571671	0.7181749	0.9943960
99	2020-06-26	0.8629870	0.7116662	1.0069319
100	2020-06-27	0.8686483	0.7123682	1.0210611
101	2020-06-28	0.8715072	0.7167878	1.0298676
102	2020-06-29	0.8703501	0.7112889	1.0197997
103	2020-06-30	0.8660062	0.7077778	1.0158693
104	2020-07-01	0.8627378	0.7032141	1.0129631
105	2020-07-02	0.8627081	0.7023436	1.0192547
106	2020-07-03	0.8659055	0.7043886	1.0287782
107	2020-07-04	0.8695462	0.7005168	1.0410458
108	2020-07-05	0.8728133	0.7012189	1.0418109
109	2020-07-06	0.8765634	0.7037466	1.0455663
110	2020-07-07	0.8829971	0.7132449	1.0494889
111	2020-07-08	0.8935050	0.7139249	1.0708873
112	2020-07-09	0.9081366	0.7284977	1.0927466
113	2020-07-10	0.9259079	0.7324828	1.1216143
114	2020-07-11	0.9466116	0.7556560	1.1452911
115	2020-07-12	0.9706800	0.7749647	1.1624471
116	2020-07-13	0.9998942	0.7947084	1.1979933
117	2020-07-14	1.0347275	0.8340188	1.2387632
118	2020-07-15	1.0742180	0.8661701	1.2809558
119	2020-07-16	1.1181112	0.8998744	1.3308002
120	2020-07-17	1.1635511	0.9401967	1.3797691
121	2020-07-18	1.2096995	0.9866343	1.4306197
122	2020-07-19	1.2525241	1.0249000	1.4748561
123	2020-07-20	1.2881595	1.0576942	1.5147226
124	2020-07-21	1.3129291	1.0680412	1.5587628
125	2020-07-22	1.3232949	1.0714833	1.5914678
126	2020-07-23	1.3210959	1.0272751	1.6087516

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-24	1.3059582	0.9726469	1.6480961
128	2020-07-25	1.2797122	0.8185761	1.7334552
129	2020-07-26	1.2506112	0.5850822	2.0477878

## Woj. świętokrzyskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. swietokrzyskie)



dzień	data	$Re(n)$	dolna granica CI	górna granica CI
1	2020-03-21	4.8919120	0.0000000	6.386431
2	2020-03-22	3.8687852	0.0000000	6.220779
3	2020-03-23	3.5561608	0.0000000	7.350649
4	2020-03-24	3.1911262	0.0000000	6.981818
5	2020-03-25	2.6949644	0.9430804	4.243862
6	2020-03-26	2.2968924	0.4529703	4.076733
7	2020-03-27	1.9622512	0.8082489	2.963579
8	2020-03-28	1.7530033	0.4852803	2.669042
9	2020-03-29	1.6214479	0.4811153	2.646134
10	2020-03-30	1.5227929	0.4166460	2.499876
11	2020-03-31	1.4441633	0.5662639	2.265055
12	2020-04-01	1.3738643	0.5260351	2.104140
13	2020-04-02	1.3043266	0.4769479	2.066774
14	2020-04-03	1.2351621	0.4399189	1.906315
15	2020-04-04	1.1685262	0.4110291	1.781126
16	2020-04-05	1.1088209	0.3879390	1.681069
17	2020-04-06	1.0615439	0.3785532	1.640397
18	2020-04-07	1.0308004	0.3538058	1.533159
19	2020-04-08	1.0214481	0.3540815	1.652380
20	2020-04-09	1.0305353	0.3797881	1.645748
21	2020-04-10	1.0500887	0.3891800	1.686446
22	2020-04-11	1.0749228	0.3908577	1.693717

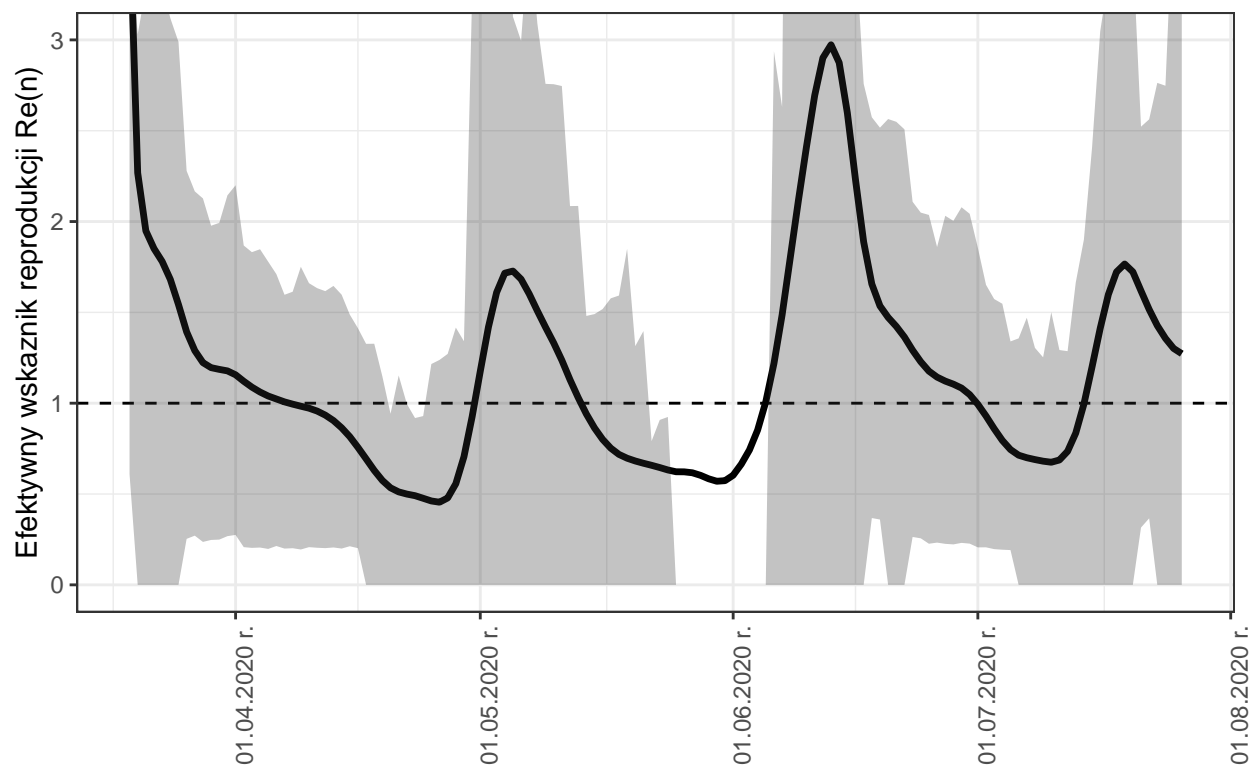
dzień	data	Re(n)	dolna granica CI	górną granica CI
23	2020-04-12	1.1010797	0.3812332	1.779088
24	2020-04-13	1.1255639	0.4027970	1.745454
25	2020-04-14	1.1427844	0.4749864	1.781199
26	2020-04-15	1.1546095	0.4699866	1.762450
27	2020-04-16	1.1559669	0.4855946	1.820980
28	2020-04-17	1.1407811	0.4671159	1.751685
29	2020-04-18	1.1092768	0.5168277	1.653849
30	2020-04-19	1.0668252	0.4299335	1.612251
31	2020-04-20	1.0123948	0.4759911	1.523171
32	2020-04-21	0.9549364	0.3802985	1.426119
33	2020-04-22	0.8966965	0.3853915	1.348870
34	2020-04-23	0.8406202	0.3662463	1.281862
35	2020-04-24	0.7930335	0.2864558	1.241308
36	2020-04-25	0.7548188	0.3029865	1.211946
37	2020-04-26	0.7270100	0.2065876	1.239526
38	2020-04-27	0.7124292	0.2187334	1.203034
39	2020-04-28	0.7119939	0.1280604	1.280604
40	2020-04-29	0.7241904	0.1333333	1.200000
41	2020-04-30	0.7528131	0.1395014	1.255512
42	2020-05-01	0.7997969	0.1523466	1.371119
43	2020-05-02	0.8624069	0.1836648	1.469319
44	2020-05-03	0.9324519	0.1845197	1.660678
45	2020-05-04	1.0045642	0.1827552	1.644797
46	2020-05-05	1.0703335	0.2114977	1.903480
47	2020-05-06	1.1162980	0.2277707	2.049937
48	2020-05-07	1.1360302	0.1980287	1.980287
49	2020-05-08	1.1348567	0.3558081	1.779040
50	2020-05-09	1.1200764	0.3170738	1.743906
51	2020-05-10	1.0994548	0.3392048	1.696024
52	2020-05-11	1.0718745	0.3378731	1.689366
53	2020-05-12	1.0430681	0.3136648	1.725156
54	2020-05-13	1.0234362	0.2985063	1.641785
55	2020-05-14	1.0202285	0.2879753	1.583864
56	2020-05-15	1.0360003	0.2986552	1.642604
57	2020-05-16	1.0657532	0.3369895	1.684948
58	2020-05-17	1.1013903	0.3062527	1.837516
59	2020-05-18	1.1447664	0.3475217	1.911369
60	2020-05-19	1.1886760	0.4824072	1.929629
61	2020-05-20	1.2358249	0.5571947	1.950182
62	2020-05-21	1.2880712	0.4404441	2.055406
63	2020-05-22	1.3338885	0.5836401	2.042740
64	2020-05-23	1.3642295	0.5878169	2.204314
65	2020-05-24	1.3717655	0.5357624	2.143050
66	2020-05-25	1.3579405	0.6560432	1.968130
67	2020-05-26	1.3308157	0.6558276	1.967483
68	2020-05-27	1.2873309	0.6781815	1.937661
69	2020-05-28	1.2335670	0.6534293	1.866941
70	2020-05-29	1.1714885	0.5469367	1.731966
71	2020-05-30	1.1055993	0.5889915	1.619727
72	2020-05-31	1.0501898	0.5280986	1.584296
73	2020-06-01	0.9996236	0.4674343	1.480209
74	2020-06-02	0.9492449	0.4504507	1.426427

dzień	data	Re(n)	dolna granica CI	górną granica CI
75	2020-06-03	0.9000948	0.4596868	1.379060
76	2020-06-04	0.8521600	0.3761461	1.278897
77	2020-06-05	0.8094782	0.3784252	1.210961
78	2020-06-06	0.7757609	0.3047497	1.218999
79	2020-06-07	0.7545359	0.3220896	1.127314
80	2020-06-08	0.7464828	0.2745874	1.189879
81	2020-06-09	0.7502219	0.2806669	1.216223
82	2020-06-10	0.7685828	0.3079150	1.231660
83	2020-06-11	0.8004566	0.3231124	1.292450
84	2020-06-12	0.8444978	0.3367161	1.346864
85	2020-06-13	0.8966170	0.2778125	1.527969
86	2020-06-14	0.9468109	0.2912656	1.601961
87	2020-06-15	0.9921259	0.3891221	1.556488
88	2020-06-16	1.0342406	0.4142907	1.657163
89	2020-06-17	1.0682521	0.4152652	1.661061
90	2020-06-18	1.0923011	0.4200910	1.680364
91	2020-06-19	1.1056965	0.3917844	1.697732
92	2020-06-20	1.1118093	0.3904680	1.822184
93	2020-06-21	1.1110578	0.3770530	1.759580
94	2020-06-22	1.1049429	0.4800005	1.680002
95	2020-06-23	1.0941698	0.4634078	1.737779
96	2020-06-24	1.0773039	0.4700957	1.645335
97	2020-06-25	1.0506165	0.4735076	1.657277
98	2020-06-26	1.0136118	0.4487104	1.570486
99	2020-06-27	0.9717754	0.4157352	1.559007
100	2020-06-28	0.9324671	0.4133567	1.446748
101	2020-06-29	0.8986410	0.3209411	1.390745
102	2020-06-30	0.8708802	0.3190147	1.382397
103	2020-07-01	0.8505440	0.3313899	1.325560
104	2020-07-02	0.8350494	0.3314493	1.325797
105	2020-07-03	0.8215270	0.2474095	1.360752
106	2020-07-04	0.8024550	0.2597545	1.428649
107	2020-07-05	0.7763297	0.2639906	1.319953
108	2020-07-06	0.7468829	0.1328233	1.328233
109	2020-07-07	0.7220492	0.1365501	1.228951
110	2020-07-08	0.7117899	0.1422370	1.280133
111	2020-07-09	0.7264639	0.1464502	1.171601
112	2020-07-10	0.7741337	0.1654048	1.323239
113	2020-07-11	0.8536002	0.1975470	1.580376
114	2020-07-12	0.9554378	0.2179498	1.743598
115	2020-07-13	1.0658217	0.2310951	1.848761
116	2020-07-14	1.1659982	0.2621862	2.097489
117	2020-07-15	1.2348115	0.2667659	2.400893
118	2020-07-16	1.2603975	0.2727167	2.454451
119	2020-07-17	1.2420012	0.2329697	2.096727
120	2020-07-18	1.1970231	0.4691763	1.876705
121	2020-07-19	1.1584033	0.3459007	1.902454
122	2020-07-20	1.1245155	0.2037676	2.037676
123	2020-07-21	1.0892554	0.2120129	1.908116
124	2020-07-22	1.0569768	0.2451100	1.960880
125	2020-07-23	1.0287050	0.0000000	1.922006
126	2020-07-24	1.0036753	0.0000000	2.472406

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-25	0.9788067	0.0000000	2.882327
128	2020-07-26	0.9508495	0.0000000	6.043742

## Woj. warmińsko-mazurskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. warmińsko-mazurskie)



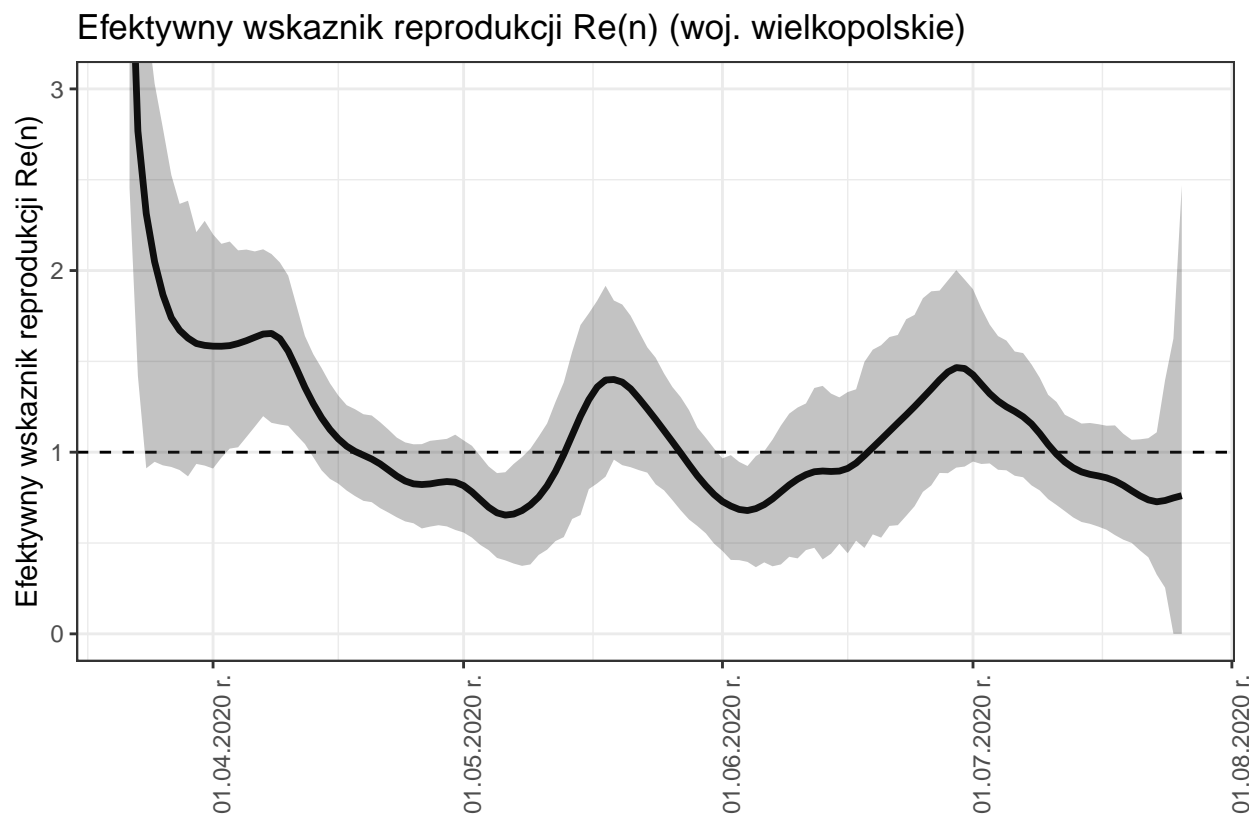
dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-19	3.6875883	0.6098450	3.6590702
2	2020-03-20	2.2678263	0.0000000	3.0308370
3	2020-03-21	1.9487237	0.0000000	3.2804304
4	2020-03-22	1.8509153	0.0000000	3.5628350
5	2020-03-23	1.7800504	0.0000000	3.3030794
6	2020-03-24	1.6814450	0.0000000	3.1195499
7	2020-03-25	1.5428910	0.0000000	2.9888702
8	2020-03-26	1.3928429	0.2532326	2.2790932
9	2020-03-27	1.2896347	0.2707725	2.1661803
10	2020-03-28	1.2232330	0.2363452	2.1271068
11	2020-03-29	1.1956657	0.2471264	1.9770115
12	2020-03-30	1.1861392	0.2490916	1.9927327
13	2020-03-31	1.1778368	0.2680145	2.1441161
14	2020-04-01	1.1563801	0.2749693	2.1997546
15	2020-04-02	1.1206473	0.2075534	1.8679803
16	2020-04-03	1.0884306	0.2035024	1.8315213
17	2020-04-04	1.0614933	0.2052815	1.8475336
18	2020-04-05	1.0394716	0.1976482	1.7788340
19	2020-04-06	1.0230918	0.2138275	1.7106201
20	2020-04-07	1.0072279	0.1996148	1.5969181
21	2020-04-08	0.9946442	0.2017012	1.6136094
22	2020-04-09	0.9833664	0.1945392	1.7508532

dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-10	0.9725905	0.2075846	1.6606765
24	2020-04-11	0.9566320	0.2041533	1.6332265
25	2020-04-12	0.9343954	0.2021019	1.6168149
26	2020-04-13	0.9044359	0.2056990	1.6455917
27	2020-04-14	0.8646896	0.1996758	1.5974066
28	2020-04-15	0.8158389	0.2125595	1.4879164
29	2020-04-16	0.7567504	0.2018311	1.4128178
30	2020-04-17	0.6937968	0.0000000	1.3266947
31	2020-04-18	0.6299196	0.0000000	1.3273458
32	2020-04-19	0.5743397	0.0000000	1.1465215
33	2020-04-20	0.5339453	0.0000000	0.9417366
34	2020-04-21	0.5116405	0.0000000	1.1522436
35	2020-04-22	0.4996666	0.0000000	0.9958185
36	2020-04-23	0.4908935	0.0000000	0.9184162
37	2020-04-24	0.4765370	0.0000000	0.9291352
38	2020-04-25	0.4617787	0.0000000	1.2156775
39	2020-04-26	0.4548849	0.0000000	1.2382979
40	2020-04-27	0.4784049	0.0000000	1.2712206
41	2020-04-28	0.5567759	0.0000000	1.4161704
42	2020-04-29	0.7055194	0.0000000	1.3411992
43	2020-04-30	0.9251956	0.0000000	3.2459852
44	2020-05-01	1.1758162	0.0000000	4.1617599
45	2020-05-02	1.4190928	0.0000000	6.8851388
46	2020-05-03	1.6094819	0.0000000	6.0728318
47	2020-05-04	1.7157788	0.0000000	5.9722089
48	2020-05-05	1.7273827	0.0000000	3.1282443
49	2020-05-06	1.6827768	0.0000000	2.9949109
50	2020-05-07	1.6017834	0.0000000	3.6073582
51	2020-05-08	1.5080438	0.0000000	3.0898682
52	2020-05-09	1.4182339	0.0000000	2.7578724
53	2020-05-10	1.3318837	0.0000000	2.7559854
54	2020-05-11	1.2363106	0.0000000	2.7460785
55	2020-05-12	1.1292331	0.0000000	2.0850831
56	2020-05-13	1.0309050	0.0000000	2.0858986
57	2020-05-14	0.9407911	0.0000000	1.4804681
58	2020-05-15	0.8637438	0.0000000	1.4904980
59	2020-05-16	0.8007045	0.0000000	1.5182122
60	2020-05-17	0.7523555	0.0000000	1.5773963
61	2020-05-18	0.7181622	0.0000000	1.5925450
62	2020-05-19	0.6971838	0.0000000	1.8501037
63	2020-05-20	0.6818179	0.0000000	1.3141079
64	2020-05-21	0.6693636	0.0000000	1.3968674
65	2020-05-22	0.6580384	0.0000000	0.7910110
66	2020-05-23	0.6456986	0.0000000	0.9079570
67	2020-05-24	0.6323702	0.0000000	0.9241577
68	2020-05-25	0.6225453	0.0000000	0.0000000
69	2020-05-26	0.6221394	0.0000000	0.0000000
70	2020-05-27	0.6169486	0.0000000	0.0000000
71	2020-05-28	0.6028588	0.0000000	0.0000000
72	2020-05-29	0.5838528	0.0000000	0.0000000
73	2020-05-30	0.5702914	0.0000000	0.0000000
74	2020-05-31	0.5735772	0.0000000	0.0000000

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-01	0.6033203	0.0000000	0.0000000
76	2020-06-02	0.6643531	0.0000000	0.0000000
77	2020-06-03	0.7425326	0.0000000	0.0000000
78	2020-06-04	0.8520558	0.0000000	0.0000000
79	2020-06-05	1.0074791	0.0000000	0.0000000
80	2020-06-06	1.2181729	0.0000000	2.9376258
81	2020-06-07	1.4856355	0.0000000	2.6298672
82	2020-06-08	1.8002845	0.0000000	7.9260313
83	2020-06-09	2.1158575	0.0000000	7.9772404
84	2020-06-10	2.4141039	0.0000000	5.1173934
85	2020-06-11	2.6944095	0.0000000	4.9190225
86	2020-06-12	2.9007957	0.0000000	6.9156684
87	2020-06-13	2.9730763	0.0000000	5.7796471
88	2020-06-14	2.8744412	0.0000000	5.7661059
89	2020-06-15	2.5985270	0.0000000	4.7505629
90	2020-06-16	2.2300983	0.0000000	3.5239959
91	2020-06-17	1.8876833	0.0000000	2.7585724
92	2020-06-18	1.6562269	0.3677403	2.5741821
93	2020-06-19	1.5354708	0.3595438	2.5168067
94	2020-06-20	1.4723927	0.0000000	2.5642857
95	2020-06-21	1.4228924	0.0000000	2.5491731
96	2020-06-22	1.3639716	0.0000000	2.5077735
97	2020-06-23	1.2915855	0.2636316	2.1090531
98	2020-06-24	1.2281366	0.2561547	2.0492378
99	2020-06-25	1.1764171	0.2262680	2.0364120
100	2020-06-26	1.1435006	0.2324742	1.8597939
101	2020-06-27	1.1216954	0.2257465	2.0317189
102	2020-06-28	1.1047260	0.2226526	2.0038730
103	2020-06-29	1.0833231	0.2309638	2.0786742
104	2020-06-30	1.0471971	0.2269645	2.0426803
105	2020-07-01	0.9939621	0.2061634	1.8554703
106	2020-07-02	0.9296012	0.2064623	1.6516981
107	2020-07-03	0.8595315	0.1966788	1.5734308
108	2020-07-04	0.7948809	0.1934183	1.5473466
109	2020-07-05	0.7446492	0.1914383	1.3400680
110	2020-07-06	0.7137745	0.0000000	1.3567802
111	2020-07-07	0.6998307	0.0000000	1.4703057
112	2020-07-08	0.6895555	0.0000000	1.3045396
113	2020-07-09	0.6808648	0.0000000	1.2525683
114	2020-07-10	0.6748761	0.0000000	1.5008377
115	2020-07-11	0.6873477	0.0000000	1.2927584
116	2020-07-12	0.7349182	0.0000000	1.2863537
117	2020-07-13	0.8354183	0.0000000	1.6638953
118	2020-07-14	0.9951098	0.0000000	1.9010383
119	2020-07-15	1.1997101	0.0000000	2.4060323
120	2020-07-16	1.4121132	0.0000000	3.0470459
121	2020-07-17	1.5983512	0.0000000	3.3378750
122	2020-07-18	1.7227910	0.0000000	3.5606930
123	2020-07-19	1.7662145	0.0000000	3.6976009
124	2020-07-20	1.7232308	0.0000000	3.4986300
125	2020-07-21	1.6186066	0.3152705	2.5221638
126	2020-07-22	1.5162243	0.3660903	2.5626324

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-23	1.4272420	0.0000000	2.7634302
128	2020-07-24	1.3568451	0.0000000	2.7476565
129	2020-07-25	1.3014731	0.0000000	3.8097563
130	2020-07-26	1.2724653	0.0000000	3.9965015

## Woj. wielkopolskie



dzień	data	$Re(n)$	dolna granica CI	górną granica CI
1	2020-03-22	4.0786805	2.4559616	5.1575193
2	2020-03-23	2.7683938	1.4209916	4.0261429
3	2020-03-24	2.3130735	0.9112583	3.4172185
4	2020-03-25	2.0485142	0.9470069	3.0304220
5	2020-03-26	1.8662715	0.9274448	2.7823344
6	2020-03-27	1.7401452	0.9188040	2.5267110
7	2020-03-28	1.6708832	0.9017900	2.3671988
8	2020-03-29	1.6280687	0.8669802	2.3841957
9	2020-03-30	1.5982767	0.9355610	2.2113259
10	2020-03-31	1.5880071	0.9262145	2.2734355
11	2020-04-01	1.5836332	0.9100244	2.1992256
12	2020-04-02	1.5832735	0.9697085	2.1472117
13	2020-04-03	1.5867857	1.0197756	2.1595247
14	2020-04-04	1.5982693	1.0270865	2.1112333
15	2020-04-05	1.6140571	1.0835326	2.1154683
16	2020-04-06	1.6324721	1.1403168	2.1052003
17	2020-04-07	1.6504630	1.1983283	2.1170466
18	2020-04-08	1.6538934	1.1615544	2.0907979
19	2020-04-09	1.6250646	1.1524214	2.0446187
20	2020-04-10	1.5564295	1.1449846	1.9719179
21	2020-04-11	1.4594301	1.0936359	1.8057709
22	2020-04-12	1.3565569	1.0450034	1.6397332

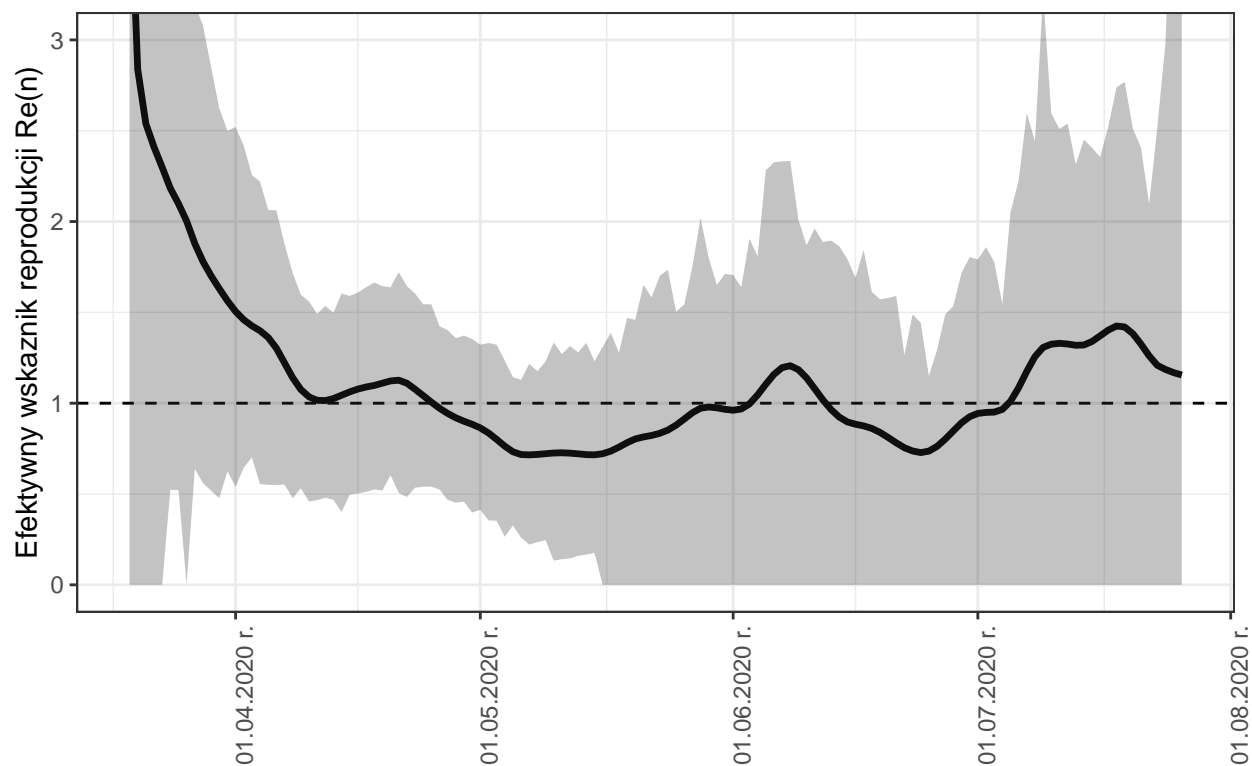
dzień	data	Re(n)	dolna granica CI	górna granica CI
23	2020-04-13	1.2671079	0.9724637	1.5397343
24	2020-04-14	1.1890036	0.9001731	1.4627812
25	2020-04-15	1.1249298	0.8530325	1.3793717
26	2020-04-16	1.0735516	0.8268072	1.3121071
27	2020-04-17	1.0330466	0.7888533	1.2588085
28	2020-04-18	1.0045005	0.7584163	1.2365483
29	2020-04-19	0.9834938	0.7322078	1.2089944
30	2020-04-20	0.9623797	0.7248003	1.2021079
31	2020-04-21	0.9356365	0.6920881	1.1656221
32	2020-04-22	0.9024051	0.6676539	1.1244698
33	2020-04-23	0.8685303	0.6415018	1.0804241
34	2020-04-24	0.8413577	0.6189799	1.0539388
35	2020-04-25	0.8257473	0.6087517	1.0435744
36	2020-04-26	0.8218820	0.5801876	1.0443377
37	2020-04-27	0.8253710	0.5903381	1.0626086
38	2020-04-28	0.8333928	0.5980827	1.0680049
39	2020-04-29	0.8385428	0.5914870	1.0734394
40	2020-04-30	0.8348889	0.5720730	1.0964733
41	2020-05-01	0.8160281	0.5579539	1.0651848
42	2020-05-02	0.7812662	0.5297163	1.0353547
43	2020-05-03	0.7386230	0.4894803	0.9789607
44	2020-05-04	0.6967922	0.4608881	0.9217763
45	2020-05-05	0.6661675	0.4178939	0.8849518
46	2020-05-06	0.6536806	0.4044002	0.8896805
47	2020-05-07	0.6593485	0.3871303	0.9355648
48	2020-05-08	0.6787566	0.3742916	0.9731581
49	2020-05-09	0.7099892	0.3821280	1.0190079
50	2020-05-10	0.7538338	0.4345822	1.0864556
51	2020-05-11	0.8144853	0.4632616	1.1581541
52	2020-05-12	0.8933565	0.5105281	1.2763203
53	2020-05-13	0.9880395	0.5325524	1.3846361
54	2020-05-14	1.0933606	0.6323886	1.5522266
55	2020-05-15	1.1983905	0.6538235	1.6999411
56	2020-05-16	1.2890332	0.7968469	1.7644467
57	2020-05-17	1.3590041	0.8283848	1.8342806
58	2020-05-18	1.3973672	0.8652387	1.9158856
59	2020-05-19	1.4002069	0.9592131	1.8350164
60	2020-05-20	1.3857907	0.9286557	1.8130896
61	2020-05-21	1.3491221	0.9174588	1.7515123
62	2020-05-22	1.2958835	0.9011181	1.6636026
63	2020-05-23	1.2390930	0.8873586	1.5775264
64	2020-05-24	1.1801883	0.8232859	1.5199124
65	2020-05-25	1.1189839	0.7899916	1.4336884
66	2020-05-26	1.0576770	0.7362508	1.3592322
67	2020-05-27	0.9954380	0.6798666	1.3030776
68	2020-05-28	0.9315716	0.6293126	1.2312638
69	2020-05-29	0.8698632	0.5935433	1.1354742
70	2020-05-30	0.8154027	0.5535278	1.0793791
71	2020-05-31	0.7670258	0.4962587	1.0200873
72	2020-06-01	0.7286035	0.4561679	0.9660025
73	2020-06-02	0.7033828	0.4070605	0.9837294
74	2020-06-03	0.6848123	0.4056985	0.9466298

dzień	data	Re(n)	dolna granica CI	górna granica CI
75	2020-06-04	0.6787219	0.3960515	0.9241202
76	2020-06-05	0.6894339	0.3669837	0.9786233
77	2020-06-06	0.7113008	0.3933575	1.0052470
78	2020-06-07	0.7431706	0.3720140	1.0695404
79	2020-06-08	0.7818199	0.3822809	1.1468427
80	2020-06-09	0.8197626	0.4243930	1.2125514
81	2020-06-10	0.8516559	0.4153346	1.2460038
82	2020-06-11	0.8761755	0.4612457	1.2684257
83	2020-06-12	0.8924159	0.4737024	1.3534355
84	2020-06-13	0.8963115	0.4095167	1.3650557
85	2020-06-14	0.8937964	0.4408781	1.3226343
86	2020-06-15	0.8960963	0.4959357	1.3018311
87	2020-06-16	0.9106556	0.4436617	1.3309851
88	2020-06-17	0.9399038	0.5128640	1.3462680
89	2020-06-18	0.9819171	0.4728254	1.4972806
90	2020-06-19	1.0257716	0.5475607	1.5644591
91	2020-06-20	1.0703192	0.5296854	1.5890561
92	2020-06-21	1.1154876	0.5942114	1.6340813
93	2020-06-22	1.1607499	0.5983519	1.6454678
94	2020-06-23	1.2053847	0.6494974	1.7319932
95	2020-06-24	1.2512472	0.7023438	1.7558596
96	2020-06-25	1.2993009	0.7817019	1.8476591
97	2020-06-26	1.3477881	0.8170964	1.8856071
98	2020-06-27	1.3978376	0.8857594	1.8896202
99	2020-06-28	1.4416958	0.8843644	1.9456016
100	2020-06-29	1.4657305	0.9152994	2.0022173
101	2020-06-30	1.4607864	0.9209151	1.9501731
102	2020-07-01	1.4262909	0.9485719	1.8971438
103	2020-07-02	1.3740074	0.9350769	1.7922308
104	2020-07-03	1.3225601	0.9381641	1.7025942
105	2020-07-04	1.2815499	0.9032773	1.6392811
106	2020-07-05	1.2500202	0.9003607	1.6144399
107	2020-07-06	1.2247402	0.8703709	1.5542338
108	2020-07-07	1.1953059	0.8619583	1.5455804
109	2020-07-08	1.1560064	0.8175532	1.4837077
110	2020-07-09	1.1026234	0.7892879	1.4094427
111	2020-07-10	1.0424464	0.7416465	1.3158244
112	2020-07-11	0.9893195	0.7092664	1.2766795
113	2020-07-12	0.9463001	0.6754299	1.2061249
114	2020-07-13	0.9137865	0.6407408	1.1829061
115	2020-07-14	0.8913799	0.6157305	1.1575733
116	2020-07-15	0.8780602	0.6056417	1.1608133
117	2020-07-16	0.8694259	0.5905578	1.1542721
118	2020-07-17	0.8589387	0.5727742	1.1455483
119	2020-07-18	0.8419248	0.5435700	1.1475366
120	2020-07-19	0.8175030	0.5183112	1.1014113
121	2020-07-20	0.7878785	0.5007103	1.0681819
122	2020-07-21	0.7597488	0.4589681	1.0709257
123	2020-07-22	0.7375459	0.4214321	1.0769932
124	2020-07-23	0.7268527	0.3263176	1.1094797
125	2020-07-24	0.7339333	0.2540246	1.3971354
126	2020-07-25	0.7483146	0.0000000	1.6259964

dzień	data	Re(n)	dolna granica CI	górná granica CI
127	2020-07-26	0.7605345	0.0000000	2.4696184

## Woj. zachodniopomorskie

Efektywny wskaźnik reprodukcji  $Re(n)$  (woj. zachodniopomorskie)



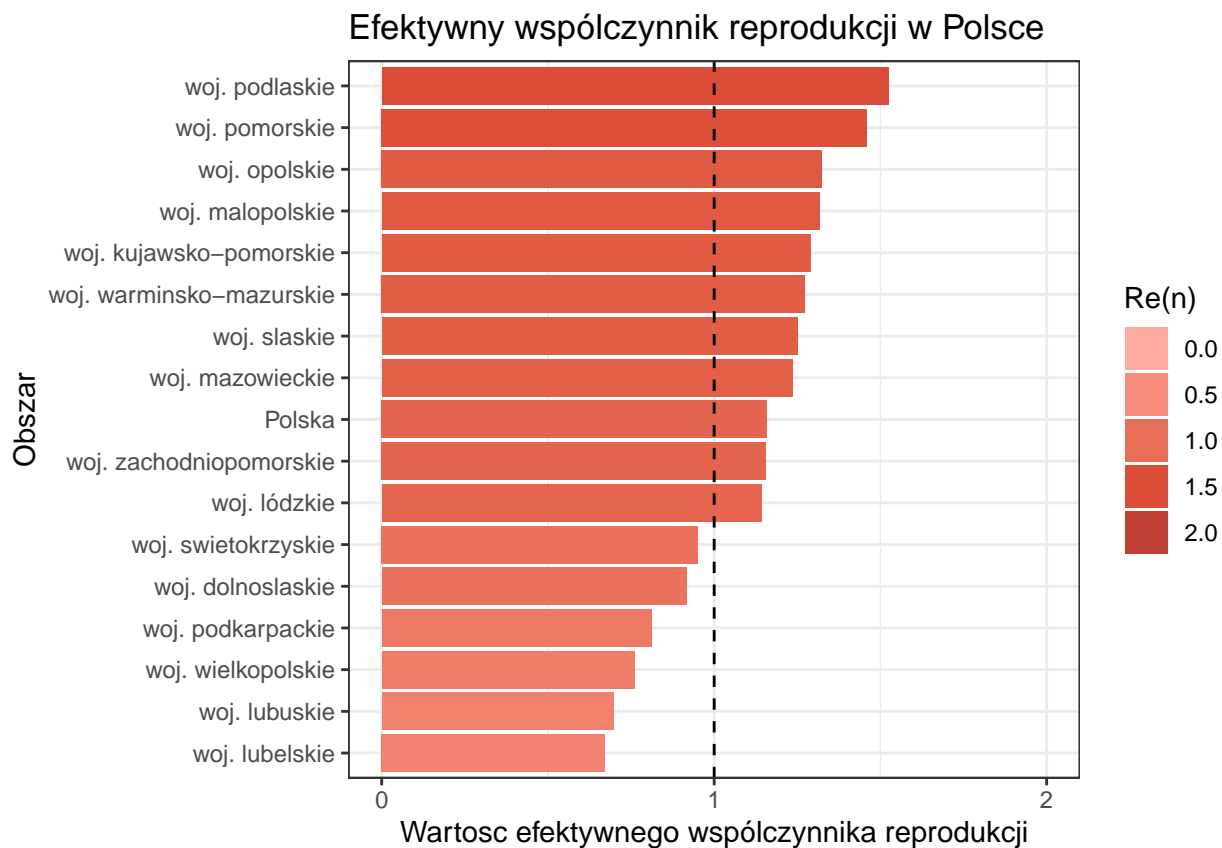
dzień	data	$Re(n)$	dolna granica CI	górna granica CI
1	2020-03-19	4.0003130	0.0000000	3.481690
2	2020-03-20	2.8388863	0.0000000	4.565757
3	2020-03-21	2.5387009	0.0000000	4.525346
4	2020-03-22	2.4102185	0.0000000	4.503311
5	2020-03-23	2.2987746	0.0000000	4.628028
6	2020-03-24	2.1828351	0.5236794	3.665756
7	2020-03-25	2.0981361	0.5212766	3.648936
8	2020-03-26	2.0023329	0.0000000	3.909434
9	2020-03-27	1.8788320	0.6387226	3.193613
10	2020-03-28	1.7799195	0.5599486	3.079717
11	2020-03-29	1.7009724	0.5183016	2.850659
12	2020-03-30	1.6306196	0.4771144	2.624129
13	2020-03-31	1.5637713	0.6248925	2.499570
14	2020-04-01	1.5049342	0.5400653	2.520305
15	2020-04-02	1.4593621	0.6448363	2.418136
16	2020-04-03	1.4258209	0.7016026	2.256410
17	2020-04-04	1.3989677	0.5549110	2.219644
18	2020-04-05	1.3617974	0.5502048	2.063268
19	2020-04-06	1.3027350	0.5498848	2.062068
20	2020-04-07	1.2216733	0.5519558	1.876650
21	2020-04-08	1.1400887	0.4767217	1.716198
22	2020-04-09	1.0752290	0.5322052	1.596616

dzień	data	Re(n)	dolna granica CI	górną granica CI
23	2020-04-10	1.0348734	0.4589426	1.560405
24	2020-04-11	1.0158317	0.4661581	1.491706
25	2020-04-12	1.0144803	0.4798103	1.535393
26	2020-04-13	1.0252979	0.4681057	1.497938
27	2020-04-14	1.0440295	0.4009658	1.603863
28	2020-04-15	1.0623529	0.4969460	1.590227
29	2020-04-16	1.0778075	0.5028036	1.608971
30	2020-04-17	1.0892505	0.5119454	1.638225
31	2020-04-18	1.0977195	0.5255689	1.664301
32	2020-04-19	1.1102737	0.5191189	1.643876
33	2020-04-20	1.1225936	0.6033909	1.637775
34	2020-04-21	1.1267334	0.5063736	1.721670
35	2020-04-22	1.1101179	0.4836992	1.644577
36	2020-04-23	1.0768368	0.5347062	1.604119
37	2020-04-24	1.0417300	0.5404616	1.544176
38	2020-04-25	1.0060520	0.5405126	1.544322
39	2020-04-26	0.9722502	0.5245541	1.423790
40	2020-04-27	0.9436872	0.4672705	1.401811
41	2020-04-28	0.9194481	0.4525620	1.357686
42	2020-04-29	0.9006906	0.4575136	1.372541
43	2020-04-30	0.8840083	0.3980458	1.353356
44	2020-05-01	0.8638274	0.4131342	1.322029
45	2020-05-02	0.8364546	0.3549743	1.331154
46	2020-05-03	0.8008857	0.3526856	1.322571
47	2020-05-04	0.7634980	0.2644213	1.233966
48	2020-05-05	0.7325229	0.3267035	1.143462
49	2020-05-06	0.7171855	0.2603932	1.128370
50	2020-05-07	0.7156505	0.2211425	1.216284
51	2020-05-08	0.7179258	0.2353162	1.176581
52	2020-05-09	0.7218841	0.2458072	1.229036
53	2020-05-10	0.7257578	0.1334712	1.334712
54	2020-05-11	0.7269633	0.1410962	1.269866
55	2020-05-12	0.7250081	0.1460781	1.314703
56	2020-05-13	0.7212229	0.1600101	1.280081
57	2020-05-14	0.7167808	0.1665146	1.332117
58	2020-05-15	0.7158224	0.1758539	1.230977
59	2020-05-16	0.7217821	0.0000000	1.309307
60	2020-05-17	0.7362200	0.0000000	1.387116
61	2020-05-18	0.7580298	0.0000000	1.278918
62	2020-05-19	0.7827211	0.0000000	1.469892
63	2020-05-20	0.8030364	0.0000000	1.459014
64	2020-05-21	0.8143022	0.0000000	1.650731
65	2020-05-22	0.8224113	0.0000000	1.583082
66	2020-05-23	0.8340874	0.0000000	1.700352
67	2020-05-24	0.8520218	0.0000000	1.735661
68	2020-05-25	0.8788316	0.0000000	1.503984
69	2020-05-26	0.9125936	0.0000000	1.543058
70	2020-05-27	0.9474795	0.0000000	1.750489
71	2020-05-28	0.9722252	0.0000000	2.019231
72	2020-05-29	0.9791889	0.0000000	1.800829
73	2020-05-30	0.9744349	0.0000000	1.650094
74	2020-05-31	0.9664104	0.0000000	1.712225

dzień	data	Re(n)	dolna granica CI	górną granica CI
75	2020-06-01	0.9611771	0.0000000	1.705194
76	2020-06-02	0.9681639	0.0000000	1.639375
77	2020-06-03	0.9959000	0.0000000	1.905096
78	2020-06-04	1.0454604	0.0000000	1.807892
79	2020-06-05	1.1038573	0.0000000	2.281919
80	2020-06-06	1.1583528	0.0000000	2.325906
81	2020-06-07	1.1960043	0.0000000	2.331424
82	2020-06-08	1.2063241	0.0000000	2.333570
83	2020-06-09	1.1847341	0.0000000	2.009976
84	2020-06-10	1.1393232	0.0000000	1.870050
85	2020-06-11	1.0795062	0.0000000	1.961408
86	2020-06-12	1.0186858	0.0000000	1.887746
87	2020-06-13	0.9653471	0.0000000	1.894998
88	2020-06-14	0.9237820	0.0000000	1.864764
89	2020-06-15	0.8969158	0.0000000	1.793378
90	2020-06-16	0.8841550	0.0000000	1.690597
91	2020-06-17	0.8750144	0.0000000	1.843166
92	2020-06-18	0.8611458	0.0000000	1.612545
93	2020-06-19	0.8391483	0.0000000	1.571595
94	2020-06-20	0.8114832	0.0000000	1.579219
95	2020-06-21	0.7816476	0.0000000	1.589887
96	2020-06-22	0.7548637	0.0000000	1.264979
97	2020-06-23	0.7369279	0.0000000	1.489173
98	2020-06-24	0.7280860	0.0000000	1.442645
99	2020-06-25	0.7362128	0.0000000	1.149273
100	2020-06-26	0.7623552	0.0000000	1.293836
101	2020-06-27	0.8020309	0.0000000	1.488559
102	2020-06-28	0.8475716	0.0000000	1.535345
103	2020-06-29	0.8921353	0.0000000	1.716971
104	2020-06-30	0.9257220	0.0000000	1.803822
105	2020-07-01	0.9436974	0.0000000	1.791366
106	2020-07-02	0.9491608	0.0000000	1.858998
107	2020-07-03	0.9509665	0.0000000	1.778530
108	2020-07-04	0.9656055	0.0000000	1.546490
109	2020-07-05	1.0102118	0.0000000	2.049650
110	2020-07-06	1.0851300	0.0000000	2.225539
111	2020-07-07	1.1750569	0.0000000	2.597255
112	2020-07-08	1.2562273	0.0000000	2.442272
113	2020-07-09	1.3071627	0.0000000	3.256751
114	2020-07-10	1.3249141	0.0000000	2.595023
115	2020-07-11	1.3297184	0.0000000	2.509822
116	2020-07-12	1.3259129	0.0000000	2.538830
117	2020-07-13	1.3187915	0.0000000	2.314657
118	2020-07-14	1.3204617	0.0000000	2.451119
119	2020-07-15	1.3397533	0.0000000	2.405871
120	2020-07-16	1.3708726	0.0000000	2.355129
121	2020-07-17	1.4028509	0.0000000	2.524487
122	2020-07-18	1.4249750	0.0000000	2.738764
123	2020-07-19	1.4196343	0.0000000	2.768620
124	2020-07-20	1.3828472	0.0000000	2.512790
125	2020-07-21	1.3251550	0.0000000	2.405673
126	2020-07-22	1.2607623	0.0000000	2.096576

dzień	data	Re(n)	dolna granica CI	górna granica CI
127	2020-07-23	1.2085515	0.0000000	2.517841
128	2020-07-24	1.1857963	0.0000000	2.982635
129	2020-07-25	1.1683649	0.0000000	4.175804
130	2020-07-26	1.1550920	0.0000000	4.170790

## Podsumowanie (stan na: 27.07.2020 r.)



Obszar	Re(n)
woj. dolnośląskie	0.916
woj. kujawsko-pomorskie	1.289
woj. lubelskie	0.671
woj. lubuskie	0.697
woj. łódzkie	1.142
woj. małopolskie	1.317
woj. mazowieckie	1.236
woj. opolskie	1.325
woj. podkarpackie	0.812
woj. podlaskie	1.524
woj. pomorskie	1.460
woj. śląskie	1.251
woj. świętokrzyskie	0.951
woj. warmińsko-mazurskie	1.272
woj. wielkopolskie	0.761
woj. zachodniopomorskie	1.155
Polska	1.159