

# COLOMBIA

	Unit					2017			2018				2019	
		2015	2016	2017	2018	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>NATIONAL ACCOUNTS</b>														
GDP - current prices, sa	COP tln	804.7	863.8	920.2	978.5	228.2	232.0	235.3	239.4	243.6	246.6	248.9	253.2	..
Private final consumption expenditure, sa	COP tln	551.0	596.5	630.8	670.2	156.8	159.0	160.9	163.9	166.3	168.8	171.2	177.3	..
Government final consumption exp., sa	COP tln	119.2	125.6	137.1	148.7	34.0	34.4	35.5	35.9	36.9	37.8	38.1	38.3	..
Gross fixed capital formation, sa	COP tln	191.3	200.1	198.9	207.5	50.6	50.1	47.5	51.0	51.5	50.7	54.3	53.9	..
Change in inventories, sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
Exports of goods and services, sa	COP tln	125.9	127.1	138.9	155.8	34.2	34.6	36.1	37.3	38.8	39.9	39.8	42.2	..
Imports of goods and services, sa	COP tln	182.8	185.6	185.6	203.8	46.5	47.0	45.9	47.3	50.6	51.1	54.8	56.6	..
GDP - constant prices, sa	Growth	2.96	2.09	1.35	2.57	0.99	0.65	0.51	0.43	0.76	0.82	0.69	-0.01	..
GDP deflator, sa	2015=100	100.0	105.1	110.5	114.6	109.9	111.0	112.0	113.4	114.6	115.0	115.3	117.3	..
<b>PRODUCTION</b>														
<b>Industrial sector</b>														
Industry, sa	2015=100	100.0	104.0	103.5	106.6	102.4	104.8	103.9	104.4	107.2	108.2	106.5	..	..
Manufacturing, sa	2015=100	100.0	104.0	103.5	106.5	102.2	104.4	103.5	104.3	107.0	108.0	106.2	106.8	..
Construction, sa	2015=100	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>SALES</b>														
<b>Retail trade</b>														
Retail trade, sa	2015=100	100.0	101.9	101.7	106.6	101.5	102.0	102.6	105.0	106.5	106.9	108.0	..	..
Car registrations, sa	2015=100	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>ORDERS</b>														
<b>Construction</b>														
Permits issued: dwellings, sa	2015=100	100.0	81.1	77.3	72.3	73.2	82.6	79.8	65.6	76.4	75.0	72.2	67.7	..
<b>LABOUR</b>														
<b>Labour force</b>														
Total, sa	'000	23 938	24 201	24 489	24 707	24 519	24 497	24 515	24 511	24 744	24 815	24 758	24 923	24 561
Men, sa	'000	13 566	13 713	13 890	14 074	13 897	13 902	13 909	13 968	14 104	14 138	14 087	14 166	14 067
Women, sa	'000	10 372	10 487	10 599	10 633	10 622	10 595	10 606	10 543	10 640	10 677	10 671	10 757	10 494
<b>Employment</b>														
Total, sa	'000	21 795	21 958	22 182	22 306	22 255	22 165	22 185	22 201	22 365	22 424	22 234	22 325	22 033
Men, sa	'000	12 650	12 737	12 890	13 024	12 922	12 910	12 865	12 950	13 064	13 072	13 012	13 012	12 942
Women, sa	'000	9 144	9 221	9 292	9 282	9 334	9 255	9 320	9 252	9 301	9 352	9 222	9 313	9 091
<b>Employment rate</b>														
Total, sa	%	63.5	62.9	62.6	62.0	63.0	62.6	62.3	62.1	62.3	62.3	61.4	61.6	60.6
Men, sa	%	76.1	75.4	75.1	74.7	75.4	75.1	74.5	74.6	74.9	75.0	74.2	74.1	73.4
Women, sa	%	51.7	51.3	50.9	50.1	51.4	50.7	50.8	50.2	50.3	50.4	49.3	49.8	48.6
<b>Unemployment</b>														
Total, sa	'000	2 143	2 242	2 307	2 401	2 264	2 332	2 330	2 309	2 379	2 391	2 524	2 598	2 528
Men, sa	'000	916	976	1 000	1 050	976	992	1 044	1 018	1 040	1 066	1 076	1 154	1 125
Women, sa	'000	1 227	1 266	1 306	1 351	1 288	1 340	1 286	1 291	1 339	1 324	1 448	1 444	1 402
Harmonised unemployment rate, sa	%	9.0	9.3	9.4	9.7	9.2	9.5	9.5	9.4	9.6	9.6	10.2	10.4	10.3
<b>Labour compensation</b>														
Hourly earnings, sa	2015=100	100.0	105.5	114.2	..	113.2	115.2	117.2	118.4	120.1	121.9	..	..	..
<b>Unit labour cost</b>														
Total economy (early estimates), sa	%	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>PRICES</b>														
<b>Producer prices</b>														
Domestic manufacturing	2015=100	100.0	105.8	106.6	108.6	106.2	106.7	107.1	107.4	107.9	108.8	110.4	110.9	111.8
<b>Consumer prices</b>														
All items	2015=100	100.0	107.5	112.2	115.8	112.3	112.5	112.9	114.6	115.9	116.1	116.6	118.2	119.7
Food	2015=100	100.0	113.1	113.9	114.8	114.5	113.8	113.0	114.4	115.4	114.6	114.9	117.3	120.2
Energy	2015=100	100.0	107.0	112.6	119.9	112.4	112.6	114.8	116.0	119.2	120.7	123.5	124.9	126.6
Non-food, non-energy	2015=100	100.0	106.0	111.6	115.7	111.7	112.2	112.7	114.5	115.6	116.0	116.4	117.9	119.1
Services less housing	2015=100	100.0	106.2	113.0	118.2	113.1	113.5	114.1	117.1	118.3	118.5	118.9	120.9	122.2
Housing	2015=100	100.0	104.1	108.5	112.5	108.2	109.1	110.0	111.0	112.2	113.0	113.8	114.6	115.7
All items (HICP)	2015=100	..	..	..	..	..	..	..	..	..	..	..	..	..

## COLOMBIA (cont.)

	Unit	2018							2019					
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>NATIONAL ACCOUNTS</b>														
GDP - current prices, sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
Private final consumption expenditure, sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
Government final consumption exp., sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
Gross fixed capital formation, sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
Change in inventories, sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
Exports of goods and services, sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
Imports of goods and services, sa	COP tln	..	..	..	..	..	..	..	..	..	..	..	..	..
GDP - constant prices, sa	Growth	..	..	..	..	..	..	..	..	..	..	..	..	..
GDP deflator, sa	2015=100	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>PRODUCTION</b>														
<b>Industrial sector</b>														
Industry, sa	2015=100	107.4	107.7	108.3	108.6	108.2	107.6	103.7	..	..	..	..	..	..
Manufacturing, sa	2015=100	107.2	107.5	108.0	108.4	107.9	107.3	103.4	106.4	107.0	107.0	107.6	..	..
Construction, sa	2015=100	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>SALES</b>														
<b>Retail trade</b>														
Retail trade, sa	2015=100	106.6	106.7	106.3	107.8	107.2	109.6	107.1	..	..	..	..	..	..
Car registrations, sa	2015=100	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>ORDERS</b>														
<b>Construction</b>														
Permits issued: dwellings, sa	2015=100	68.9	71.2	79.3	74.5	67.1	76.8	72.6	62.3	66.0	74.8	68.7	78.7	..
<b>LABOUR</b>														
<b>Labour force</b>														
Total, sa	'000	24 688	24 781	24 732	24 932	24 743	24 446	25 085	24 850	24 962	24 957	24 191	24 724	24 767
Men, sa	'000	14 117	14 158	14 076	14 179	14 061	13 933	14 268	14 151	14 176	14 173	13 990	14 049	14 162
Women, sa	'000	10 571	10 623	10 655	10 753	10 682	10 513	10 817	10 699	10 786	10 785	10 201	10 675	10 605
<b>Employment</b>														
Total, sa	'000	22 315	22 440	22 377	22 455	22 237	21 985	22 480	22 277	22 363	22 336	21 681	22 124	22 293
Men, sa	'000	13 073	13 127	13 001	13 087	13 019	12 870	13 146	13 027	12 993	13 017	12 855	12 905	13 064
Women, sa	'000	9 242	9 313	9 376	9 369	9 218	9 114	9 334	9 250	9 369	9 319	8 826	9 219	9 229
<b>Employment rate</b>														
Total, sa	%	62.1	62.4	62.2	62.3	61.3	60.8	62.1	61.4	61.7	61.5	59.9	60.9	61.2
Men, sa	%	75.1	75.1	74.6	75.3	74.2	73.5	75.0	74.1	74.0	74.1	72.9	73.3	73.9
Women, sa	%	49.9	50.4	50.5	50.3	49.2	48.9	49.9	49.5	50.1	49.8	47.6	49.2	49.2
<b>Unemployment</b>														
Total, sa	'000	2 373	2 341	2 355	2 476	2 506	2 461	2 606	2 573	2 600	2 622	2 510	2 600	2 474
Men, sa	'000	1 044	1 031	1 075	1 092	1 042	1 063	1 122	1 124	1 183	1 156	1 135	1 144	1 098
Women, sa	'000	1 329	1 309	1 280	1 384	1 463	1 398	1 484	1 449	1 417	1 465	1 375	1 456	1 376
Harmonised unemployment rate, sa	%	9.6	9.4	9.5	9.9	10.1	10.1	10.4	10.4	10.4	10.5	10.4	10.5	10.0
<b>Labour compensation</b>														
Hourly earnings, sa	2015=100	119.9	121.2	121.7	122.8	122.4	..	..	..	..	..	..	..	..
<b>Unit labour cost</b>														
Total economy (early estimates), sa	%	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>PRICES</b>														
<b>Producer prices</b>														
Domestic manufacturing	2015=100	108.3	108.4	108.6	109.4	109.8	110.6	110.7	110.7	110.9	110.9	111.4	111.9	112.2
<b>Consumer prices</b>														
All items	2015=100	116.1	115.9	116.1	116.2	116.4	116.5	116.9	117.6	118.3	118.8	119.4	119.7	120.1
Food	2015=100	115.5	114.5	114.5	114.9	114.8	114.8	115.1	116.7	117.0	118.1	119.4	120.1	121.2
Energy	2015=100	119.3	119.8	120.9	121.4	122.7	123.6	124.3	124.2	124.4	126.0	126.9	127.0	126.0
Non-food, non-energy	2015=100	115.9	116.0	116.0	116.1	116.2	116.3	116.7	117.2	118.0	118.3	118.8	119.1	119.4
Services less housing	2015=100	118.6	118.5	118.5	118.6	118.6	118.8	119.2	120.1	121.2	121.5	122.0	122.2	122.5
Housing	2015=100	112.6	112.8	113.0	113.2	113.5	113.7	114.0	114.3	114.6	114.9	115.3	115.7	116.0
All items (HICP)	2015=100	..	..	..	..	..	..	..	..	..	..	..	..	..

## COLOMBIA (cont.)

	Unit					2017			2018				2019	
		2015	2016	2017	2018	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>INTERNATIONAL FINANCE</b>														
<b>Interest rates</b>														
Overnight interbank rate	% p.a.	4.69	7.10	6.12	4.35	6.58	5.51	4.99	4.58	4.33	4.25	4.26	4.26	4.26
Short-term (3-month interbank)	% p.a.	4.58	6.78	5.99	4.71	6.22	5.58	5.36	5.10	4.73	4.54	4.46	4.56	4.52
Long-term (10-year government bonds)	% p.a.	7.87	7.92	6.82	7.01	6.56	6.91	6.81	6.83	6.83	7.12	7.26	6.89	6.64
<b>Monetary aggregates</b>														
Narrow, sa	COP tln	94.4	93.1	98.9	105.9	94.1	96.1	98.9	99.7	100.1	103.2	105.9	108.6	112.4
Broad, sa	COP tln	408.5	437.3	468.9	494.8	452.9	458.2	468.9	471.9	475.6	483.5	494.8	501.5	513.8
Share prices	2015=100	100.0	101.4	110.9	116.3	109.9	115.1	113.6	117.7	119.9	118.6	109.1	115.1	119.9
<b>BUSINESS AND CONSUMER OPINIONS</b>														
<b>Manufacturing</b>														
Production: future tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Order books: level, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Finished goods stocks: level, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Confidence indicator, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>Construction</b>														
Order books: level, sa	% balance	..	..	..	..	-18	-38	-22	-19	-18	-24	-21	-15	-14
Employment: future tendency, sa	% balance	..	..	..	..	3	-4	-6	16	9	5	-12	9	-7
Confidence indicator, sa	% balance	..	..	..	..	-8	-21	-14	-1	-5	-9	-17	-3	-11
<b>Retail trade</b>														
Business situation: tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Business situation: future tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Stocks level, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Confidence indicator, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>Services</b>														
Business situation: tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Demand evolution: tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Demand evolution: future tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Confidence indicator, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>Consumer</b>														
Consumer prices: future tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
Confidence indicator, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>INTERNATIONAL TRADE</b>														
Imports c.i.f., sa	COP tln	147.50	137.35	136.42	151.11	34.22	34.17	33.94	34.45	36.69	37.81	42.16	41.39	..
Exports f.o.b., sa	COP tln	97.99	96.58	112.02	123.80	26.10	28.59	30.56	29.72	29.60	31.73	32.75	31.40	..
Net trade, sa	COP tln	-49.51	-40.77	-24.40	-27.31	-8.12	-5.58	-3.38	-4.73	-7.09	-6.08	-9.41	-9.99	..
<b>BALANCE OF PAYMENTS (BPM6)</b>														
<b>Current account balance, sa</b>	<b>% of GDP</b>	<b>-6.27</b>	<b>-4.27</b>	<b>-3.32</b>	<b>-3.90</b>	<b>-3.55</b>	<b>-3.55</b>	<b>-2.14</b>	<b>-2.84</b>	<b>-4.18</b>	<b>-3.92</b>	<b>-4.68</b>	<b>-4.38</b>	..
<b>Current account balance, sa</b>	<b>USD bln</b>	<b>-18.56</b>	<b>-12.01</b>	<b>-10.34</b>	<b>-12.91</b>	<b>-2.77</b>	<b>-2.76</b>	<b>-1.69</b>	<b>-2.38</b>	<b>-3.58</b>	<b>-3.26</b>	<b>-3.68</b>	<b>-3.54</b>	..
Goods balance, sa	USD bln	-13.48	-9.15	-4.57	-5.21	-1.83	-1.05	-0.07	-0.74	-1.54	-1.04	-1.89	-1.93	..
Goods credits (exports), sa	USD bln	38.57	34.09	39.68	44.37	9.39	9.88	10.77	11.18	10.89	11.20	11.10	10.75	..
Goods debits (imports), sa	USD bln	52.05	43.24	44.25	49.58	11.23	10.93	10.84	11.92	12.43	12.24	12.99	12.68	..
Services balance, sa	USD bln	-4.79	-3.53	-3.98	-3.90	-0.93	-1.08	-0.93	-0.77	-1.06	-1.10	-0.97	-0.95	..
Services credits (exports), sa	USD bln	7.43	7.77	8.46	9.51	2.18	2.07	2.22	2.47	2.31	2.26	2.46	2.49	..
Services debits (imports), sa	USD bln	12.21	11.30	12.44	13.41	3.11	3.15	3.16	3.24	3.38	3.36	3.43	3.44	..
Primary income balance, sa	USD bln	-5.73	-5.23	-8.40	-11.42	-1.67	-2.29	-2.42	-2.64	-2.83	-3.05	-2.90	-2.53	..
Secondary income balance, sa	USD bln	5.43	5.90	6.61	7.62	1.66	1.66	1.74	1.77	1.85	1.93	2.07	1.87	..
<b>Capital account balance</b>	<b>USD bln</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>Financial account, net</b>	<b>USD bln</b>	<b>-18.24</b>	<b>-12.28</b>	<b>-9.61</b>	<b>-12.15</b>	<b>-2.36</b>	<b>-2.72</b>	<b>-1.60</b>	<b>-2.34</b>	<b>-2.63</b>	<b>-3.46</b>	<b>-3.72</b>	<b>-3.16</b>	..
Direct investment, net	USD bln	-7.51	-9.33	-10.15	-6.23	-1.25	-4.15	-2.95	-0.91	-2.28	-2.42	-0.62	-2.67	..
Direct investment, net acquisition of assets	USD bln	4.22	4.52	3.69	5.12	1.27	0.84	0.85	1.07	1.50	0.33	2.22	0.66	..
Direct investment, net incurrence of liabilities	USD bln	11.72	13.85	13.84	11.35	2.53	4.99	3.80	1.98	3.78	2.75	2.84	3.34	..
Portfolio investment, net	USD bln	-9.17	-4.84	-1.62	1.28	-1.98	-0.52	0.62	1.75	0.33	0.54	-1.34	-1.33	..
Portfolio investment, net acquisition of assets	USD bln	-0.48	5.19	6.20	1.63	-0.55	2.29	2.39	1.90	0.07	1.12	-1.46	-0.67	..
Portfolio investment, net incurrence of liabilities	USD bln	8.69	10.03	7.82	0.35	1.43	2.81	1.77	0.15	-0.26	0.58	-0.13	0.67	..
Financial derivatives, net	USD bln	1.96	-0.62	0.37	0.03	0.24	-0.03	0.04	-0.37	0.14	0.15	0.10	-0.12	..
Other investment, net	USD bln	-3.94	2.35	1.25	-8.41	0.48	1.85	0.52	-2.94	-0.98	-1.90	-2.59	-1.39	..
Other investment, net acquisition of assets	USD bln	0.54	2.88	-0.44	0.60	-0.68	1.88	-0.22	-0.26	-1.16	-1.01	3.02	-2.02	..
Other investment, net incurrence of liabilities	USD bln	4.48	0.53	-1.68	9.02	-1.16	0.03	-0.74	2.69	-0.18	0.89	5.62	-0.63	..
Reserve assets, net	USD bln	0.42	0.17	0.55	1.19	0.15	0.13	0.17	0.14	0.15	0.17	0.73	2.35	..
Errors and omissions	USD bln	0.32	-0.27	0.73	0.76	0.14	0.04	-0.02	0.47	0.56	-0.31	0.04	0.46	..

## COLOMBIA (cont.)

	Unit	2018							2019						
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
<b>INTERNATIONAL FINANCE</b>															
<b>Interest rates</b>															
Overnight interbank rate	% p.a.	4.25	4.25	4.25	4.25	4.26	4.26	4.25	4.25	4.26	4.26	4.26	4.26	4.26	4.26
Short-term (3-month interbank)	% p.a.	4.60	4.57	4.53	4.53	4.43	4.42	4.54	4.56	4.57	4.55	4.54	4.50	4.52	
Long-term (10-year government bonds)	% p.a.	6.93	7.08	7.12	7.16	7.50	7.27	7.02	6.99	6.98	6.71	6.94	6.76	6.22	
<b>Monetary aggregates</b>															
Narrow, sa	COP tln	100.1	102.1	102.3	103.2	103.8	104.5	105.9	106.4	107.1	108.6	110.6	111.2	112.4	
Broad, sa	COP tln	475.6	479.5	482.0	483.5	485.5	488.0	494.8	492.4	495.8	501.5	507.7	509.9	513.8	
Share prices	2015=100	120.2	120.4	119.2	116.4	113.3	108.7	105.2	108.5	115.5	121.4	123.9	117.3	118.6	
<b>BUSINESS AND CONSUMER OPINIONS</b>															
<b>Manufacturing</b>															
Production: future tendency, sa	% balance	-8	-2	4	-4	-1	0	0	3	0	5	10	14	14	
Order books: level, sa	% balance	31	32	35	31	37	29	27	30	33	30	27	23	23	
Finished goods stocks: level, sa	% balance	-21	-21	-23	-18	-21	-20	-19	-11	-22	-21	-19	-17	-17	
Confidence indicator, sa	% balance	3	4	2	2	3	2	1	3	2	2	3	3	3	
<b>Construction</b>															
Order books: level, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..	
Employment: future tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..	
Confidence indicator, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..	
<b>Retail trade</b>															
Business situation: tendency, sa	% balance	43	48	41	41	38	42	42	42	50	40	30	21	21	
Business situation: future tendency, sa	% balance	49	48	48	51	50	51	48	48	45	45	44	44	44	
Stocks level, sa	% balance	1	5	9	4	2	5	4	7	4	2	1	-1	-1	
Confidence indicator, sa	% balance	31	30	27	29	28	29	29	28	29	28	26	25	25	
<b>Services</b>															
Business situation: tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..	
Demand evolution: tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..	
Demand evolution: future tendency, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..	
Confidence indicator, sa	% balance	..	..	..	..	..	..	..	..	..	..	..	..	..	
<b>Consumer</b>															
Consumer prices: future tendency, sa	% balance	67	67	72	77	77	85	81	76	76	70	75	73	75	
Confidence indicator, sa	% balance	16	10	5	-1	-1	-20	-8	-3	-6	1	-10	-5	-6	
<b>INTERNATIONAL TRADE</b>															
Imports c.i.f., sa	COP tln	12.86	12.31	12.58	12.92	14.42	13.61	14.14	13.89	13.46	14.04	14.03	15.14	..	
Exports f.o.b., sa	COP tln	9.80	10.56	10.66	10.50	11.36	11.03	10.35	10.64	10.76	10.01	12.64	11.35	..	
Net trade, sa	COP tln	-3.06	-1.74	-1.92	-2.41	-3.05	-2.58	-3.78	-3.24	-2.71	-4.03	-1.39	-3.80	..	

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/mei/20190801/cd29>.

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