

Supplementary

Table S1: Characteristics of selected articles

Characteristic	Category	Number	Percent
Total number of papers		57444	100
Year of publication			
	1920-1960	68	0.1
	1961-1970	91	0.1
	1971-1980	191	0.3
	1981-1990	326	0.6
	1991-2000	3143	5.5
	2001-2010	17223	30.0
	2011-2017	36402	63.4
Number of authors			
	1	3132	5.5
	2-3	14672	25.5
	4-6	24068	41.9
	7-10	12031	20.9
	>10	3523	6.1
Number of subject categories			
	1	36946	64.3
	2	16472	28.7
	3	3700	6.4
	4	206	0.4
	5	85	0.1

Table S2: Journal subject category and the Journal included those subject categories

Journal Subject Category	Total Papers	Journal Name	Total Papers	Journal Name	Total Papers
Nutrition Dietetics	23721	International Journal of Obesity	1445	Appetite	685
		Obesity	1033	American Journal of Clinical Nutrition	681
		Public Health Nutrition	816	International Journal of Behavioral Nutrition and Physical Activity	435
Pediatrics	10,384	Pediatrics	850	Pediatric Obesity	407
		Journal of Pediatrics	676	Acta Paediatrica	383
		Journal of Pediatric Endocrinology Metabolism	532	International Journal of Pediatric Obesity	353
Public Environmental Occupational Health	9,878	BMC Public Health	937	Journal of Adolescent Health	345
		Public Health Nutrition	816	American Journal of Preventive Medicine	341
		Preventive Medicine	417	Journal of School Health	330
Endocrinology Metabolism	9,578	International Journal of Obesity	1445	Journal of Pediatric Endocrinology Metabolism	532
		Obesity	1033	Obesity Reviews	418
		Journal of Clinical Endocrinology Metabolism	687	Diabetes Care	329
General Internal Medicine	3,916	Preventive Medicine	417	Jama Journal of The American Medical Association	76
		American Journal of Preventive Medicine	341	Lancet	75
		BMJ Open	212	British Medical Journal	72
Psychology	3134	Journal of Adolescent Health	345	Eating Behaviors	135
		International Journal of Eating Disorders	191	Child Care Health and Development	125
		Journal of Pediatric Psychology	143	Journal of Developmental and Behavioral Pediatrics	95

Table S3: Most prolific authors

No	Author	Affiliation and country	Total papers	Total citations	Citations per paper	h-index	Papers in collaboration	Total signatures	Collaboration index (signatures per paper)
1	Moreno La	Escuela Universitaria de Ciencias de la Salud, Domingo Miral s/n, 50009 Zaragoza, Spain	285	9762	34.25	53	284	5212	18.3
2	Neumark-Sztainer D	Division of Epidemiology and Community Health, School of Public Health, University of Minnesota, 1300 S Second Street, Ste 300, Minneapolis, MN 55454, USA	240	14359	59.83	65	237	1156	4.82
3	Manios Y	Department of Social Medicine, Medical School, University of Crete, Greece	213	5851	27.47	39	212	4141	19.4
4	Story M	Division of Epidemiology, School of Public Health, University of Minnesota, 1300 S 2nd St, Suite 300, Minneapolis, MN 55454, USA	199	15677	78.78	68	199	1009	5.07
5	Reinehr T	Department of Vestische Kinderklinik, University of Witten-Herdecke, Datteln, Germany.	183	6024	32.92	46	177	1187	6.49
6	Kelishadi R	Department of Preventive Pediatric Cardiology, Isfahan Cardiovascular Research Center (WHO Collaborating Center), Isfahan University of Medical Sciences, Isfahan, Iran	179	3701	20.68	29	177	3179	17.8
7	Baur La	Weight Management Services, The Children's Hospital at Westmead, Locked Bag 4001, Westmead, NSW 2145, Australia.	175	6569	37.54	43	175	2904	16.6
8	Goran Mi	Department of Nutrition Sciences, University of Alabama at Birmingham, USA	170	9244	54.38	53	164	984	5.79
9	De Bourdeaudhuij I	Department of Movement and Sport Sciences, Ghent University, Watersportlaan 2, 9000 Gent, Belgium	168	4774	28.42	39	168	1592	9.48
10	Molnar D	Department of Pediatrics, Medical Faculty, University of Pécs, 7623 Pécs, Hungary	168	4809	28.63	33	167	3886	23.1
11	Epstein Lh	Department of Pediatrics, State University of New York, Buffalo, NY 14214-3000, USA.	159	10628	66.84	58	158	815	5.13
12	Sorensen Tia	Obesity Research Group, Herlev University Hospital, Copenhagen, Denmark.	159	7657	48.16	46	158	3713	23.4
13	Gillman Mw	Department of Ambulatory Care and Prevention, Harvard Medical School/Harvard Pilgrim Health Care, Boston, Massachusetts, USA.	157	10009	63.75	53	156	1201	7.65

No	Author	Affiliation and country	Total papers	Total citations	Citations per paper	h-index	Papers in collaboration	Total signatures	Collaboration index (signatures per paper)
14	Daniels Sr	Division of Cardiology, Department of Pediatrics, University of Cincinnati College of Medicine and Children's Hospital Medical Center, Cincinnati, Ohio, USA	151	16076	106.46	63	146	1057	7.00
15	De Henauw S	Department of Public Health, Faculty of Medicine and Health Sciences, Ghent University, Ghent, Belgium	142	3861	27.19	30	142	3523	24.8
16	Hebebrand J	Department of Child and Adolescent Psychiatry, University of Marburg, Germany.	137	8410	61.39	44	136	2013	14.7
17	Smith Gd	Department of Social Medicine, University of Bristol, Bristol, UK	137	13750	100.36	56	137	1838	13.4
18	Brug J	Department of Epidemiology and Biostatistics and EMGO Institute for Health and Care Research, VU University Medical Center, Amsterdam, the Netherlands	133	5160	38.8	41	132	1031	7.75
19	Yanovski Ja	Warren Grant Magnuson Clinical Center, NICHD, National Institutes of Health, Bethesda, MD 20892-1862, USA.	131	4960	37.86	41	129	1271	9.70
20	Taveras Em	Obesity Prevention Program, Department of Population Medicine, Harvard Pilgrim Health Care Institute and Harvard Medical School, 133 Brookline Ave, 6th floor, Boston, MA 02215, USA.	129	4284	33.21	37	129	926	7.18
21	Berenson Gs	Tulane Center for Cardiovascular Health, Tulane School of Public Health and Tropical Medicine, New Orleans, LA 70112-2824, USA	127	15058	118.57	57	126	742	5.84
22	Kiess W	Children's Hospital, Justus Liebig University, Giessen, Germany.	125	5512	44.1	37	125	1271	10.2
23	Reilly Jj	University of Glasgow Division of Developmental Medicine, Yorkhill Hospitals, Glasgow G3 8SJ, UK	124	7684	61.97	42	114	699	5.64
24	Popkin Bm	Department of Nutrition, School of Public Health, University of North Carolina at Chapel Hill, 27516-3997, USA.	123	14582	118.55	58	120	485	3.94
25	Lawlor Da	Department of Social Medicine, University of Bristol, Bristol, UK.	119	9512	79.93	47	119	1165	9.79
26	Wardle J	Department of Epidemiology and Public Health, Health Behaviour Research Centre, University College London, London, United Kingdom.	118	9032	76.54	52	116	979	8.30
27	Caprio S	Department of Pediatrics, Yale University School of Medicine, New Haven, CT 06520, USA.	110	10525	95.68	48	108	1244	11.3

No	Author	Affiliation and country	Total papers	Total citations	Citations per paper	h-index	Papers in collaboration	Total signatures	Collaboration index (signatures per paper)
28	Katzmarzyk Pt	School of Kinesiology and Health Studies, Queen's University, Kingston, Ontario, Canada.	109	4754	43.61	37	106	893	8.19
29	Nobili V	Liver Unit, Bambino Gesù Children's Hospital and Research Institute, Rome, Italy.	109	7095	65.09	36	109	794	7.28
30	Koletzko B	Dr von Hauner Children's Hospital, University of Munich Medical Centre, Munich, Germany.	108	4037	37.38	27	108	990	9.17

Table S4. Disability-adjusted life years (DALYs) attributable to high body mass index (BMI) in 2016 among the most prolific countries

Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper-lower
USA	2501	40.2	91.2 - 11.4	61.6	136.9 - 17.9	59	130 - 18.3	45.8	100.1 - 14.5	44.2	96.1 - 13.5	55.3	121.8 - 16.6
Australia	489	43.6	102.9 - 11.7	103	241.3 - 27.3	96.6	226.7 - 25.9	93.4	211.7 - 25.5	78.3	181.5 - 21.5	84.9	194.9 - 23.7
England	476	40	90.5 - 11.3	74.5	172.2 - 21.1	81.7	183.4 - 23.2	80	180.7 - 22.8	69.3	157.7 - 19.9	63.8	147.5 - 18.3
Canada	390	62.8	148 - 16.3	83.6	199.3 - 21	73.2	164.7 - 20.1	52	119 - 14.7	52	120.8 - 14.9	75.1	168.3 - 21
China	336	13.7	33.2 - 3.7	26.5	64.3 - 6.7	15.9	39.4 - 3.8	11.8	29 - 2.7	17.1	41.9 - 4.2	16.5	39 - 4.3
Brazil	278	40.2	88.9 - 12.2	74.2	171.4 - 21.5	54.2	125.4 - 15	34.5	82.6 - 9.2	52.3	118.3 - 15.2	44.6	102.5 - 13.1
Italy	237	33.9	77.3 - 9.4	47.8	111.9 - 12.7	39.9	95.3 - 9.9	33.1	80.1 - 8.4	33.3	80.5 - 8.6	41.2	97 - 11.3
Netherlands	233	29.1	72.6 - 6.8	39	96.2 - 9.1	41.3	100.5 - 9.5	41.2	101.5 - 9.7	37.5	93.3 - 9.3	35.7	88.1 - 8.4
Germany	231	31.3	76.7 - 8.4	37.3	88.9 - 9.5	45.3	105.6 - 11.5	44.4	102.6 - 12	36.8	84.4 - 9.3	39.8	92.2 - 11.2
Spain	223	43.3	99.6 - 11.6	58.3	139.7 - 15.1	57.2	129.5 - 15	47.7	113.6 - 12	45.2	107.8 - 11.8	54.6	123.7 - 15.6
Sweden	190	36.3	86.4 - 9.1	57.6	143 - 14.6	57.4	138.9 - 14.3	53.9	129.7 - 13.8	46.1	111.8 - 12.1	52.2	121.6 - 13.8
Denmark	142	38.2	88.9 - 10.1	48.2	117.9 - 12.3	42.5	103.4 - 10.8	38.5	92.5 - 9.6	38.4	90.7 - 10.1	41.8	99.1 - 11.1
Turkey	140	30.2	74.9 - 7.3	53.6	129.6 - 12.1	42	108.9 - 9	29.9	75 - 7.1	37.1	92.3 - 9.1	38.3	91.8 - 10.1
France	139	30.8	75.5 - 7.3	38.6	99 - 9	41.5	101.6 - 9.9	43.3	105.5 - 10.9	36.9	90.8 - 9.1	37.1	91.9 - 9.5
South Korea	126	34.5	80.4 - 8.9	58.2	134.2 - 14.2	42.9	105.3 - 9.8	20.5	52.4 - 4.3	31.2	74.7 - 7.4	40.7	93.6 - 10.9
Iran	123	21.4	55.9 - 4.6	37.8	97.3 - 8	36.8	91.5 - 7.7	33.8	80.3 - 7.9	37	85.6 - 9.4	23.9	58.6 - 5.5

Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower
India	115	7.2	18.2 - 1.8	6	14.6 - 1.5	4.7	11.8 - 1.1	5	12.2 - 1.1	5.7	14.5 - 1.4	5.1	11.5 - 1.3
Poland	107	14.5	35.6 - 3.5	32.7	80.6 - 7.9	32.6	79.7 - 7.7	28.4	70 - 7	26.1	62.8 - 6.3	26.8	63.8 - 6.9
Belgium	105	24.2	59.9 - 6.2	29.8	74.3 - 7.3	32.1	76.6 - 7.2	35.8	84.3 - 8.9	27.2	65.2 - 6.6	31.2	74.2 - 7.9
Finland	96	40.6	98.4 - 10.2	66.2	155.7 - 17.6	68.9	165.9 - 18.1	67	157.9 - 17.8	57	136 - 14.8	60.6	139.7 - 17.6
Portugal	93	53.2	122.1 - 15.1	77.5	182.8 - 20.8	66.8	158.5 - 16.4	69.3	162.9 - 17.7	63.2	153.1 - 16.5	66.7	153.9 - 18.4
Japan	90	15.8	38.3 - 3.9	40.4	98.8 - 10.4	30	72.9 - 7.3	16.7	40.8 - 4.2	31.7	78.3 - 7.8	18.4	44.7 - 4.9
Mexico	88	26.2	58.9 - 7.7	59.7	136.2 - 17.5	52.5	120 - 15.5	40.2	92.5 - 12	47	106.2 - 13.9	39.9	89.7 - 11.9
New Zealand	82	56.5	129.4 - 16.3	128.9	288.1 - 36.2	131.6	303.3 - 37.7	124	272.6 - 37.6	107.8	243.3 - 32.3	109	244.4 - 31.9
Greece	82	40	93.2 - 11.1	56.8	129.4 - 16.2	54.7	123.5 - 15.6	51.3	119 - 14	46.7	111 - 13.1	51.7	115.8 - 15.2
Switzerland	79	33.1	77.8 - 8.3	43	105.2 - 10.2	43.5	104.4 - 10.8	48.6	110.8 - 12.9	33.6	78.7 - 8.4	46.8	109.8 - 12.7
Norway	78	36.9	86.4 - 9.7	47.9	114.3 - 11.4	45.1	108.1 - 10.9	51.6	120.1 - 13.6	41.5	99.7 - 10.4	45.9	107.6 - 12.7
South Africa	75	39.8	87.5 - 11.8	89.7	195.4 - 26.9	83.5	182.3 - 23.4	52	118.1 - 14.5	74.5	161.4 - 22.8	51.8	115.2 - 14.6
Scotland	74	49.7	116.4 - 13.2	89.4	207.9 - 23.2	91.7	219.2 - 24.5	95.5	219.5 - 26.8	84.5	193 - 24.1	74	173.2 - 19.8
Saudi Arabia	67	34.1	73.7 - 10.6	68.5	150.5 - 20.6	50.7	109.5 - 15.3	40.3	89.4 - 12.6	51.8	113.4 - 16.4	44.8	97.2 - 14.1
Ireland	65	55.6	135.2 - 14.8	82.2	197.6 - 21.2	76.6	182.7 - 19.3	78.1	184.2 - 20.6	67.7	158.8 - 17.4	72.8	171.2 - 19.6
Taiwan	57	34.7	83.4 - 9.3	69	166.6 - 18	40.3	100.2 - 9.7	33.6	81.2 - 8	38.4	92.9 - 9.7	44.4	103.7 - 12

Malaysia	57	41.4	96 - 9.8	72.8	171.8 - 17.4	49.6	116.1 - 12.6	47.7	112.8 - 12.8	53.5	124.5 - 13.9	46.8	106.6 - 12.5
Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower
Israel	56	36	84.1 - 9.8	44.9	108.2 - 11.4	44.7	105.2 - 11.4	47.4	113.7 - 11.4	35.6	86.5 - 9.2	45.6	106.1 - 11.9
Egypt	54	48.4	123 - 11.4	78.9	185.5 - 18.3	73.3	166.5 - 18.9	67.2	143.5 - 19.2	69.6	155.6 - 19	57.7	130.3 - 15.3
Chile	54	59.6	134.7 - 17.4	119.4	271.9 - 33	91.5	203.5 - 25.7	73.2	163.9 - 22.2	79.6	176.5 - 23.2	85.8	185.8 - 25.2
Austria	42	32.1	78.2 - 8.2	41.1	102.2 - 10	44.3	108.7 - 10.8	45.8	111.3 - 11.8	33.3	82.7 - 8.8	45.2	106.5 - 12.2
Colombia	35	24.8	62.9 - 5.4	64.4	158.5 - 15	51.9	131 - 10.7	45	109.7 - 10.1	49.2	120.1 - 12.2	42.7	103.6 - 9.8
Thailand	31	31.1	74.7 - 7.4	57.1	152.2 - 12.2	39.7	103.9 - 8.3	36.7	90 - 8.3	44.4	108.1 - 11.1	36.8	92.3 - 8.2
Romania	31	16.8	41.2 - 4.3	40	95.2 - 9.9	33.8	86.9 - 7.9	25.7	63.5 - 6.4	27.4	69.2 - 6.5	30.2	71.7 - 8.2
Singapore	30	27	66.9 - 6.7	43.7	109.3 - 10.7	33.6	81.3 - 8	26.2	64.5 - 6.3	28.8	69.9 - 7.4	33.5	78.9 - 8.7
Argentina	28	26.9	67.1 - 6.1	48	120.5 - 11.2	48.3	119.3 - 11.3	50.4	119.3 - 12.7	37.9	94.1 - 9.6	46	108.8 - 11.6
Pakistan	27	11.8	36.5 - 2	10.8	30.5 - 1.9	13.2	35.6 - 2.5	15.5	44.1 - 3	11.6	29.6 - 2.4	12.5	31.6 - 2.8
Hungary	26	12.6	30.3 - 3.3	30	72.7 - 7.4	25.5	63.1 - 6.2	20.8	49.5 - 5.2	20.2	48.1 - 4.9	23.5	54.6 - 6.3
Indonesia	25	27.3	62.7 - 7.7	35.5	85 - 8.8	24.3	58.9 - 6.5	20.7	50.2 - 5.2	31	73.5 - 8.3	20.5	48.7 - 5.6
Nigeria	24	28.3	70.6 - 6.7	23.7	61.4 - 5	21.8	58.7 - 4.7	22.4	56.8 - 4.9	23.6	59.1 - 5.5	21.6	52.9 - 5.5
Czech Republic	23	11.4	27.3 - 3.1	27.6	69.3 - 6.6	24.4	59.6 - 5.5	18.4	46.6 - 3.8	20.9	50.9 - 4.9	19.2	46.4 - 4.9
Wales	22	53.1	122.7 - 13.7	80.5	192.7 - 22.1	84.9	193 - 22.9	94.2	212.1 - 27.3	80.9	184.2 - 23.6	71.3	167.4 - 19.7
Peru	21	42	101.1 - 10.4	104.3	246.6 - 26.7	84.8	202.6 - 20.9	54.6	131 - 13.8	82.3	197.8 - 21.1	53.5	128.5 - 13.6

Russian Federation	20	13.2	33.1 - 3.2	32	81.3 - 7.1	28.2	75.3 - 5.9	21	51.9 - 4.8	23.9	60.4 - 5.5	20.9	49.4 - 5.4
Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower
Estonia	20	16.7	39 - 4	43.4	107.8 - 11.1	38.2	90.6 - 9.2	30.1	73.2 - 7.1	29.4	71.4 - 7.1	33.7	80.5 - 9.3
Lebanon	19	34.4	82.1 - 8.7	92	220.5 - 21.9	64.5	161.7 - 15.2	54.7	128.6 - 14.8	60.3	146 - 15.7	62.7	143.7 - 17.2
Cyprus	19	38.3	90.8 - 10.2	50.9	120.2 - 13.1	52.7	121.8 - 13.6	49.6	117.9 - 13	43	100.4 - 11.1	48.7	111.5 - 13.9
Tunisia	18	28.3	69.9 - 6.7	46.3	116.7 - 11.5	35.1	89.2 - 7.5	33.2	79.9 - 7.3	40.8	90.4 - 11.2	28.7	73.3 - 6.7
Serbia	16	17.3	40.9 - 4.6	42.3	99.6 - 10.5	33.5	84.6 - 7.1	28.4	69.5 - 7	31.7	78.4 - 8.1	28.3	66.8 - 7.4
Qatar	16	36	83.6 - 9.8	64.7	148.5 - 18.1	48.3	112.7 - 13.6	40.3	90.1 - 12.1	47.4	106.2 - 13.8	43.2	97.2 - 12.6
Northern Ireland	16	45.3	106.5 - 11.7	78.6	184.7 - 20.6	94.9	219 - 25.6	95.1	211.3 - 25.8	88.8	198.3 - 25.8	63.9	148.6 - 17
Kenya	16	19.1	43.5 - 5.3	29.1	69.8 - 7.5	23.2	55.7 - 5.6	16.8	41.7 - 4	28.4	66.3 - 7.3	14.4	34.9 - 3.6
Iceland	16	51	117 - 14.2	72.7	174.8 - 20	67.8	157.4 - 17.7	64.2	146.5 - 17.6	61.8	144.6 - 16.8	61.4	137.9 - 17.9
United Arab Emirates	15	31.8	75.2 - 7.8	65.3	156.9 - 16.2	57	133.1 - 15.1	53.9	118.9 - 14.8	44.6	100.8 - 11.9	47	104.9 - 13.9
Slovenia	15	15.7	36.2 - 4.4	38.8	89.9 - 9.8	32.5	79.4 - 7.6	25.8	60.5 - 6.5	23.2	54.1 - 6.1	31.3	73.2 - 8.6
Slovakia	13	11.6	29.1 - 2.9	27.9	69.7 - 6.4	22.9	60.3 - 5	16.6	42 - 3.6	19	48.4 - 4.2	19.1	46.3 - 4.6
Kuwait	13	56.3	121.5 - 16.8	108.7	245.3 - 31.7	83.8	187.4 - 24.5	66	142.4 - 19.7	77.1	165.7 - 24.2	77.3	169.7 - 23
Vietnam	11	15.9	46.5 - 3.1	14.7	44.6 - 2.4	10.6	31.1 - 1.7	8.3	25.1 - 1.3	12.1	32.5 - 2.4	11.3	30.7 - 2.1
Sri Lanka	11	29.5	72 - 6.5	42.5	107.7 - 9.9	30.1	76 - 6.1	23.8	59 - 5.1	33.3	80 - 8.1	27.7	68.5 - 6.4
Croatia	11	16.3	39 - 3.9	40.5	98.6 - 9.2	33.4	80.6 - 7.5	24.5	60.5 - 5.6	25.3	63.2 - 5.4	30.8	72.5 - 7.5

Bulgaria	10	16.3	38.4 - 4.4	41.1	100.6 - 10.3	29.9	71.4 - 7	23.3	57.7 - 5.1	25	60.7 - 6.1	28.4	65.7 - 7.4
Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower
Bangladesh	10	5.8	17.2 - 1.1	5.8	17.4 - 1.1	6	16.7 - 1	6.2	18.1 - 1.1	7.1	18.9 - 1.5	4.3	11.1 - 0.9
Bahrain	10	20.8	53.8 - 4.4	54.2	137 - 11.8	58.7	136.7 - 15.1	46.6	106.9 - 12.5	49.5	112.9 - 13.5	38.4	88.4 - 10
Uruguay	9	50.9	115.3 - 14.5	96	225 - 25.8	74.6	175.6 - 19.7	59.8	139.9 - 16.4	65.3	146.4 - 19.3	70.3	163.8 - 19.3
Ghana	9	8.6	21.7 - 1.8	12.9	34.6 - 2.6	14.7	37.7 - 3	11.9	30.3 - 2.5	13.4	32.8 - 2.8	9	22.6 - 2
Tanzania	8	31.5	84.3 - 6.5	53.9	130.3 - 12.7	46.9	113.7 - 10.9	29.3	73.7 - 6.3	47.1	110.3 - 11.2	30.7	73.9 - 7.3
Philippines	8	52.5	137.6 - 10.5	35.8	99.2 - 6.3	24.5	68.9 - 4.4	29.9	78.8 - 6.2	33.6	84.3 - 7.5	33	82.4 - 7.4
Lithuania	8	12.4	31.3 - 2.8	35	91.1 - 8.3	24.5	66.4 - 5.3	20.6	53.9 - 4.3	21.7	54.8 - 4.9	22.4	54.2 - 5.7
Jordan	8	21.6	56.5 - 5	61.6	157.3 - 13.3	66.6	158.2 - 16.6	58.3	133.5 - 15.4	56.5	134.3 - 14.8	43.4	103.6 - 11
Ukraine	7	11.8	31 - 2.5	29.1	73.3 - 5.8	25.4	67.7 - 5.3	20.4	52.1 - 4.4	19.1	50.4 - 3.8	22.4	54.6 - 5
Uganda	7	31.6	80.1 - 7.1	38	98.9 - 7.8	28.3	74.2 - 5.1	21.7	55.7 - 4.9	37.8	93.9 - 8.7	19.5	48.8 - 4.2
Nepal	7	7.9	23.4 - 1.4	8.7	23.3 - 1.7	9.5	27.6 - 1.8	13.1	35.3 - 2.6	9.4	24.2 - 2	9.1	24.2 - 1.7
Guatemala	7	34.8	82.9 - 8.9	50.1	126.9 - 10.9	46.9	110.7 - 11.3	39	91.9 - 10.1	46.9	108.3 - 12.1	35.2	83.2 - 9.1
Ethiopia	7	19.8	48.9 - 4.2	23.6	62.9 - 5.1	16.1	43.5 - 3.2	12.4	34.3 - 2.5	20.3	49.1 - 4.8	13.8	33.8 - 3.1
Ecuador	7	30.9	75.8 - 8.4	70	169.1 - 18.5	56.7	135 - 15.4	41	95.3 - 10.9	54.2	125.8 - 15.2	40.7	97.5 - 11
Luxembourg	6	53	122.1 - 15.6	76.3	183.1 - 20.3	73	178 - 18.7	68.9	163.3 - 18.3	50.6	124.4 - 12.7	79.3	180 - 22.9
Syria	5	62.9	145.5 - 14.6	78.5	187.2 - 19.4	60.9	143.8 - 15	55.8	130.1 - 15.2	66.9	150 - 18.6	58.4	132.4 - 15.4

Mozambique	5	46.8	120.7 - 10.7	45	109.2 - 9.8	31.7	82.6 - 6.5	23.6	59.9 - 5.1	44.3	104.5 - 11	26.2	64 - 5.8
Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower
Kazakhstan	5	12.3	29.8 - 3.3	27.5	65.8 - 7.2	17.1	43.8 - 3.7	11.2	28 - 2.4	19	45.9 - 4.9	14.4	34.4 - 3.6
Costa Rica	5	57.6	133.7 - 16	122.5	288.2 - 31	93.9	213.1 - 25	71.5	164.1 - 19.9	95.4	210.3 - 26.3	74.8	175.6 - 20.5
Cameroon	5	29.7	74 - 6.9	34.3	83.5 - 8	37.4	91.5 - 8.6	27.3	65.4 - 6.4	32.9	75.8 - 8.6	27.7	64.2 - 7
Algeria	5	36.6	84.7 - 8.7	67	157.1 - 15.6	51	128 - 11.1	41.3	97.3 - 9.6	61.4	136.9 - 16.2	32.7	80.8 - 8
Venezuela	4	48.4	104.5 - 14.4	85	196 - 22.3	67.3	157.2 - 18.7	52.7	120.5 - 14.1	69	149.3 - 19.6	53.7	123.2 - 15.5
Sudan	4	45.6	132.8 - 8.2	42.8	113.6 - 8.4	47.6	118 - 10.4	45.5	109.1 - 10.2	45.8	108.4 - 10.7	40.8	101.1 - 9.6
Myanmar	4	36.7	104 - 6.9	29.9	79.1 - 5.4	22.4	61 - 4.1	22.2	61.7 - 4.3	26.6	68.9 - 5.9	25.1	64.2 - 5.4
Morocco	4	31.2	73.3 - 7.8	52	125.5 - 13	40.9	99.4 - 9.2	33.4	81.4 - 8.8	46.3	104.9 - 12.7	31.8	75.3 - 8.2
Iraq	4	35.8	86.5 - 9	64.6	153.4 - 16.9	53.2	123.9 - 13.7	49	112.4 - 13.5	48.4	109.5 - 13.3	43.9	101.1 - 12.1
Bosnia and Herzegovina	4	16.1	36.7 - 4.3	35.9	85.7 - 9.4	25.9	63 - 6.6	16.2	41.4 - 4.1	19	45.1 - 5	25.8	60.8 - 7
Rwanda	3	55.3	134 - 13.3	71.2	186.9 - 15.5	42.9	112.5 - 8.7	27.3	71.2 - 5.5	61.3	156 - 13.6	33.8	86.1 - 7.4
Panama	3	46	112.2 - 11.5	65.9	166.6 - 14.7	47.1	121.5 - 10.4	38.3	94 - 8.4	50.9	124.4 - 12.5	43.8	106.4 - 11.3
Oman	3	39.8	90.8 - 10.3	78.3	183 - 20.4	60.4	140.9 - 16.5	50.1	115.3 - 13.3	53.4	118.2 - 15.9	52.7	119 - 14.1
Montenegro	3	18.1	41.5 - 5	42.4	99.7 - 11.3	33.7	81.4 - 8.5	24.4	61 - 5.7	26	62.7 - 7	31.8	72.8 - 8.9
Mongolia	3	14.2	34.5 - 3.6	34.4	84.7 - 9	24.9	63.4 - 5.7	18.5	46.2 - 4.1	25.5	62.3 - 6.1	17.7	42.4 - 4.5
Malawi	3	41.7	105.1 - 9.6	44.9	114.9 - 10.1	29.7	78.9 - 6	20.2	49.7 - 4.2	42.3	101.2 - 10.1	23.6	59.7 - 5.3

Fiji	3	83.4	210.5 - 16.8	96.7	247 - 16.8	80.4	206.5 - 15.4	67.3	173 - 12.7	92.3	215.9 - 23	67.8	161.4 - 15.2
Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower	DALYs	upper-lower
Cuba	3	53	125.8 - 14.2	121.6	283.9 - 31.1	91.7	221 - 21.1	65	158.5 - 15.2	97.6	226.9 - 26.2	63.7	150.2 - 16.3
Cote d'Ivoire	3	18.5	50.4 - 4.1	31.3	82.3 - 6.9	34.3	88 - 7.4	27.8	71.2 - 6.5	32	79.6 - 7.4	20.9	52.2 - 4.8
Cambodia	3	9	24.5 - 1.8	13.9	42.7 - 2.1	9.6	28.5 - 1.4	8.6	24 - 1.6	10.6	30.1 - 2.1	9	23.8 - 1.7
Bolivia	3	70.3	166.2 - 18.2	111	255 - 29.2	84.4	199.7 - 21.7	54.7	131 - 14.1	88.4	207.9 - 23.7	63.8	147.4 - 16.8
Benin	3	23.1	57.1 - 5.9	39.2	97 - 9.5	27.9	70.3 - 5.9	17.1	46.3 - 3.5	26.6	61.8 - 6.6	24.6	61.4 - 6.3
Angola	3	58.8	148 - 11.9	72	179.2 - 15.4	53.1	129.9 - 10.5	42.2	110.3 - 7.8	70	161.4 - 17.3	37.9	91.3 - 8
Albania	3	17.6	40.6 - 4.8	26.4	64.1 - 6	23	55.5 - 5.2	17.5	43.5 - 3.9	18.5	45.7 - 4.3	20.8	48.5 - 5.3
Zimbabwe	2	20.5	53 - 4.3	29.4	78.5 - 6.3	26.8	66.5 - 5.7	24.1	61.5 - 5	33.3	80.9 - 7.3	14.2	36.8 - 3
Zambia	2	63.6	151.2 - 16.2	43.2	107.4 - 9.9	29.2	75.3 - 6.4	23.9	58.1 - 5.9	44.3	101.4 - 11.6	32.3	76.1 - 8
The Gambia	2	14.9	40 - 3.3	22.5	56.7 - 4.6	22.3	60.3 - 4.5	17.4	44.3 - 3.9	20.3	51.5 - 4.7	15.9	39.1 - 3.6
Macedonia	2	15.3	36.2 - 4.1	36.3	87.4 - 9.2	29.6	72.9 - 6.8	20.7	50.7 - 4.9	23.4	58.7 - 5.9	25.8	59.8 - 6.8
Libya	2	45.6	103 - 12.7	81.4	186.6 - 22.4	63.5	142.5 - 16.5	53.5	119.9 - 14.9	73.7	157 - 22.6	49	112.8 - 13.2
Federated States of Micronesia	2	55.3	125.6 - 12.3	101	240.8 - 22.1	79.5	186.6 - 16.2	75.9	180.4 - 16.2	97.9	211.7 - 27.7	56.4	130 - 13.7
Yemen	1	30.7	80.6 - 5.6	34.8	90.5 - 6.9	27.1	71.9 - 5.6	21.6	55 - 4.7	28.4	70.3 - 6.1	25.9	66.6 - 6
Uzbekistan	1	20.9	49.6 - 5.8	50.6	116.4 - 13.2	37.5	90.8 - 9.4	31.2	75.5 - 8.3	38.4	89.4 - 10.6	28.4	67.5 - 7.4
Tonga	1	71.9	170.7 - 18.3	135.1	320 - 34	101.6	239.3 - 22.8	102.5	227.1 - 28.7	105.8	240.6 - 30.4	92.8	209.3 - 25.3

Countries/ Regions	Number of papers	Age-group								Gender			
		1 to 4 years old		5 to 9 years old		10 to 14 years old		15 to 19 years old		Female		Male	
		DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower	DALYs	upper- lower
Togo	1	12.3	31.9 - 2.6	20.2	55.2 - 4.2	24.8	63.6 - 5.3	22.8	57.2 - 5.2	22.6	56.6 - 5.3	15.1	37.4 - 3.4
Seychelles	1	32.2	76.3 - 7.5	49.9	120.6 - 10.9	37.2	95.4 - 8	39.7	98.3 - 9.9	44	102.8 - 11.9	32.3	77.1 - 8.3
Senegal	1	8.5	23.3 - 1.7	12.9	33.6 - 2.7	16	42.9 - 3.3	12	32.5 - 2.4	15.8	40.3 - 3.5	7.3	18.4 - 1.6
Sao Tome and Principe	1	12.2	32.9 - 2.5	19.1	51.8 - 3.9	24.6	62.7 - 4.7	22.1	59 - 4.8	21.3	53.4 - 4.6	14.9	36.7 - 3.3
Papua New Guinea	1	79.1	253.9 - 9.9	73.7	205.4 - 11.1	60.6	177.8 - 9.4	58	168.3 - 8.8	63	176.9 - 11.8	64.8	164.6 - 12.2
Palestine	1	19.4	50.7 - 4.1	35.5	93.7 - 7.6	35.4	92.9 - 7.8	45.4	108.8 - 11.6	31	75.5 - 7.5	28.2	67.2 - 6.9
Nicaragua	1	40.2	96.6 - 10.2	56.6	136.4 - 13.8	53.7	125 - 13.4	46.8	107.5 - 12.1	55.1	123.3 - 14.9	40.1	94.2 - 10.4
Namibia	1	20.2	52.4 - 4.6	45.7	114.8 - 11.1	27.7	71.1 - 6.4	17.5	44.4 - 4	31.2	77.8 - 7.7	22.1	53.8 - 5.3
Moldova	1	7.2	18.9 - 1.6	22.3	58.6 - 4.5	24.4	64.6 - 4.5	23.1	59.7 - 4.9	18.4	48.1 - 3.9	19	47.3 - 4.3
Mauritius	1	65.9	152 - 15.7	69.2	163.8 - 15.1	48.5	118.6 - 10.6	44.8	108.1 - 10.8	59.8	134.7 - 15.6	46.6	108.1 - 11.7
Malta	1	57.1	128.9 - 16.5	79.5	182.5 - 22.4	84	188.7 - 24.3	80.6	184.1 - 23.9	70.9	162 - 20.4	76	170.6 - 22.8
Jamaica	1	52	130.5 - 12.9	98.1	240.2 - 22.9	72.6	171.7 - 16.6	62.6	144.7 - 15.7	86.4	203.2 - 23.4	47.9	115.3 - 12.5
Guinea-Bissau	1	27.5	68.5 - 6.4	31.3	81.2 - 7.5	34.6	87.2 - 7.9	26.8	66.1 - 5.9	30.4	74 - 7.8	25.7	62.3 - 6.5
Georgia	1	67.1	152.7 - 18.6	111.2	256.6 - 30.8	92.6	208.7 - 25.3	70	161.2 - 19.7	75.2	168.3 - 21.6	86.8	193.3 - 24.8
El Salvador	1	31.6	76.7 - 7.5	66.3	170.9 - 14.2	68	165.7 - 16.1	61	141.1 - 16.1	68.2	159.9 - 17.6	43.6	104.9 - 10.7
Barbados	1	49.9	121.6 - 12.9	134.7	311.1 - 36.9	106.1	247.1 - 26	81.2	183.2 - 21.9	116.8	262.6 - 33	70.7	165.8 - 18.5
Armenia	1	17.7	41.7 - 5	39.5	90.2 - 10.1	26.7	64.4 - 6	19.5	49.1 - 4.6	27.6	64.1 - 7.2	22	52.6 - 5.8

Afghanistan	1	46.1	125.1 - 9.4	52.2	1372-11.8	43.6	109.5 - 9.1	43.1	103.9 - 9.7	37.6	92.1 - 8.7	49.6	113 - 12.7
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Table S5 presents the list of top 34 publications with the highest number of citations. The most cited papers in table 1 were published in 15 journal articles and the most prolific journal included JAMA-Journal Of The American Medical Association, the Lancet, New England Journal Of Medicine and the Pediatrics. The comprehensive research is also listed in Table 1 with the following topics: the overview of obesity and obesity classification (paper number 1, 11, 16, 22, 33 in Table 1); prevalence of obesity (paper number 2, 4, 8, 9, 12, 19, 21, 23 in Table 1); systematic review of obesity (paper number 3, 6, 13, 25, 34 in Table 1); obesity consequences (paper number 14, 17, 18, 24, 27, 18 in Table 1)

Table S5. Most cited papers

No	Paper	TC	Citation/year
1	Cole, TJ; Bellizzi, MC; Flegal, KM; Dietz, WH. Establishing a standard definition for child overweight and obesity worldwide: international survey. <i>British Medical Journal</i> . 2000; 320: 1240-1243	8370	465.0
2	Ogden, CL; Carroll, MD; Curtin, LR; McDowell, MA; Tabak, CJ; Flegal, KM. Prevalence of overweight and obesity in the United States, 1999-2004. <i>Jama-Journal Of The American Medical Association</i> . 2006; 295: 1549-1555	5825	485.4
3	Lim, SS; Vos, T; Flaxman, AD; Danaei, G; Shibuya, K; Adair-Rohani, H; et al. A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet</i> . 2012; 380: 2224-2260	4653	775.5
4	Ogden, CL; Carroll, MD; Kit, BK; Flegal, KM. Prevalence of Childhood and Adult Obesity in the United States, 2011-2012. <i>Jama-Journal Of The American Medical Association</i> . 2014; 311: 806-814	4010	1002.5
5	Felitti, VJ; Anda, RF; Nordenberg, D; Williamson, DF; Spitz, AM; Edwards, V; Koss, MP; Marks, JS. Relationship of childhood abuse and household dysfunction to many of the leading causes of death in adults - The adverse childhood experiences (ACE) study. <i>American Journal Of Preventive Medicine</i> . 1998; 14: 245-258	3611	180.6
6	Ng, M; Fleming, T; Robinson, M; Thomson, B; Graetz, N; Margono, C; et al. Global, regional, and national prevalence of overweight and obesity in children and adults during 1980-2013: a systematic analysis for the Global Burden of Disease Study 2013. <i>Lancet</i> . 2014; 384: 766-781	3175	793.8
7	Brunt, EM; Wong, VWS; Nobili, V; Day, CP; Sookoian, S; Maher, JJ; Bugianesi, E; Sirlin, CB; Neuschwander-Tetri, B; Rinella, ME. Nonalcoholic fatty liver disease. <i>Nature Reviews Disease Primers</i> . 2015; 1: -	2969	989.7
8	Hedley, AA; Ogden, CL; Johnson, CL; Carroll, MD; Curtin, LR; Flegal, KM. Prevalence of overweight and obesity among US children, adolescents, and adults, 1999-2002. <i>Jama-Journal Of The American Medical Association</i> . 2004; 291: 2847-2850	2922	208.7
9	Ogden, CL; Flegal, KM; Carroll, MD; Johnson, CL. Prevalence and trends in overweight among US children and adolescents, 1999-2000. <i>Jama-Journal Of The American Medical Association</i> . 2002; 288: 1728-1732	2548	159.3
10	Frayling, TM; Timpson, NJ; Weedon, MN; Zeggini, E; Freathy, RM; Lindgren, CM; et al. A common variant in the FTO gene is associated with body mass index and predisposes to childhood and adult obesity. <i>Science</i> . 2007; 316: 889-894	2407	218.8
11	Haslam, DW; James, WPT. Obesity. <i>Lancet</i> . 2005; 366: 1197-1209	2344	180.3

No	Paper	TC	Citation/year
12	Ogden, CL; Carroll, MD; Kit, BK; Flegal, KM. Prevalence of Obesity and Trends in Body Mass Index Among US Children and Adolescents, 1999-2010. <i>Jama-Journal Of The American Medical Association</i> . 2012; 307: 483-490	2287	381.2
13	Sallis, JF; Prochaska, JJ; Taylor, WC. A review of correlates of physical activity of children and adolescents. <i>Medicine And Science In Sports And Exercise</i> . 2000; 32: 963-975	2280	126.7
14	Berenson, GS; Srinivasan, SR; Bao, WH; Newman, WP; Tracy, RE; Wattigney, WA. Association between multiple cardiovascular risk factors and atherosclerosis in children and young adults. <i>New England Journal Of Medicine</i> . 1998; 338: 1650-1656	2184	109.2
15	Barlow, SE. Expert committee recommendations regarding the prevention, assessment, and treatment of child and adolescent overweight and obesity: Summary report. <i>Pediatrics</i> . 2007; 120: S164-S192	2043	185.7
16	de Onis, M; Onyango, AW; Borghi, E; Siyam, A; Nishida, C; Siekmann, J. Development of a WHO growth reference for school-aged children and adolescents. <i>Bulletin Of The World Health Organization</i> . 2007; 85: 660-667	1978	179.8
17	Weiss, R; Dziura, J; Burgert, TS; Tamborlane, WV; Taksali, SE; Yeckel, CW; Allen, K; Lopes, M; Savoye, M; Morrison, J; Sherwin, RS; Caprio, S. Obesity and the metabolic syndrome in children and adolescents. <i>New England Journal Of Medicine</i> . 2004; 350: 2362-2374	1946	139.0
18	Montague, CT; Farooqi, IS; Whitehead, JP; Soos, MA; Rau, H; Wareham, NJ; Sewter, CP; Digby, JE; Mohammed, SN; Hurst, JA; Cheetham, CH; Earley, AR; Barnett, AH; Prins, JB; ORahilly, S. Congenital leptin deficiency is associated with severe early-onset obesity in humans. <i>Nature</i> . 1997; 387: 903-908	1932	92.0
19	Ogden, CL; Carroll, MD; Curtin, LR; Lamb, MM; Flegal, KM. Prevalence of High Body Mass Index in US Children and Adolescents, 2007-2008. <i>Jama-Journal Of The American Medical Association</i> . 2010; 303: 242-249	1900	237.5
20	Cypess, AM; Lehman, S; Williams, G; Tal, I; Rodman, D; Goldfine, AB; Kuo, FC; Palmer, EL; Tseng, Y; Doria, A; Kolodny, GM; Kahn, CR. Identification and Importance of Brown Adipose Tissue in Adult Humans. <i>New England Journal Of Medicine</i> . 2009; 360: 1509-1517	1824	202.7
21	Wang, Y; Lobstein, T. Worldwide trends in childhood overweight and obesity. <i>International Journal Of Pediatric Obesity</i> . 2006; 1: 11-25	1595	132.9
22	Ebbeling, CB; Pawlak, DB; Ludwig, DS. Childhood obesity: public-health crisis, common sense cure. <i>Lancet</i> . 2002; 360: 473-482	1592	99.5
23	Black, RE; Victora, CG; Walker, SP; Bhutta, ZA; Christian, P; de Onis, M; Ezzati, M; Grantham-McGregor, S; Katz, J; Martorell, R; Uauy, R. Maternal and child undernutrition and overweight in low-income and middle-income countries. <i>Lancet</i> . 2013; 382: 427-451	1560	312.0
24	Dietz, WH. Health consequences of obesity in youth: Childhood predictors of adult disease. <i>Pediatrics</i> . 1998; 101: 518-525	1506	75.3
25	Wang, Y; Beydoun, MA. The obesity epidemic in the United States - Gender, age, socioeconomic, Racial/Ethnic, and geographic characteristics: A systematic review and meta-regression analysis. <i>Epidemiologic Reviews</i> . 2007; 29: 6-28	1501	136.5
26	Heidenreich, PA; Trogdon, JG; Khavjou, OA; Butler, J; Dracup, K; Ezekowitz, MD; Finkelstein, EA; Hong, YL; Johnston, SC; Khera, A; Lloyd-Jones, DM; Nelson, SA; Nichol, G; Orenstein, D; Wilson, PWF; Woo, YJ. Forecasting the Future of Cardiovascular Disease in the United States A Policy Statement From the American Heart Association. <i>Circulation</i> . 2011; 123: 933-944	1486	212.3

No	Paper	TC	Citation/year
27	Must, A; Jacques, Pf; Dallal, Ge; Bajema, Cj; Dietz, Wh. Long-Term Morbidity And Mortality Of Overweight Adolescents - A Follow-Up Of The Harvard Growth Study Of 1922 To 1935. <i>New England Journal Of Medicine</i> . 1992; 327: 1350-1355	1440	55.4
28	Freedman, DS; Dietz, WH; Srinivasan, SR; Berenson, GS. The relation of overweight to cardiovascular risk factors among children and adolescents: The Bogalusa heart study. <i>Pediatrics</i> . 1999; 103: 1175-1182	1371	72.2
29	Petersen, KF; Dufour, S; Befroy, D; Garcia, R; Shulman, GI. Impaired mitochondrial activity in the insulin-resistant offspring of patients with type 2 diabetes. <i>New England Journal Of Medicine</i> . 2004; 350: 664-671	1345	96.1
30	Ludwig, DS; Peterson, KE; Gortmaker, SL. Relation between consumption of sugar-sweetened drinks and childhood obesity: a prospective, observational analysis. <i>Lancet</i> . 2001; 357: 505-508	1343	79.0
31	Pickering, TG; Hall, JE; Appel, LJ; Falkner, BE; Graves, J; Hill, MN; Jones, DW; Kurtz, T; Sheps, SG; Roccella, EJ. Recommendations for blood pressure measurement in humans and experimental animals - Part 1: Blood pressure measurement in humans - A statement for professionals from the Subcommittee of Professional and Public Education of the American Heart Association Council on High Blood Pressure Research. <i>Hypertension</i> . 2005; 45: 142-161	1342	103.2
32	Lloyd-Jones, DM; Hong, YL; Labarthe, D; Mozaffarian, D; Appel, LJ; Van Horn, L; et al. Defining and Setting National Goals for Cardiovascular Health Promotion and Disease Reduction The American Heart Association's Strategic Impact Goal Through 2020 and Beyond. <i>Circulation</i> . 2010; 121: 586-613	1332	166.5
33	Cole, Tj; Freeman, Jv; Preece, Ma. Body-Mass Index Reference Curves For The UK, 1990. <i>Archives Of Disease In Childhood</i> . 1995; 73: 25-29	1324	57.6
34	Flegal, KM; Kit, BK; Orpana, H; Graubard, BI. Association of All-Cause Mortality With Overweight and Obesity Using Standard Body Mass Index Categories A Systematic Review and Meta-analysis. <i>Jama-Journal Of The American Medical Association</i> . 2013; 309: 71-82	1317	263.4

Table S6. Most prolific Institution/Organizations

No	Institutions/organizations	Number	%	Country	Citation	Citations per article	h-index
1	University of California System	1939	3.4	United States	85089	43.9	128
2	Harvard University	1875	3.3	United States	105809	56.4	149
3	University of London	1456	2.5	UK	94781	65.1	134
4	University of North Carolina	1400	2.4	United States	56763	40.6	107
5	University of Texas System	1180	2.1	United States	43253	36.7	91
6	Pennsylvania Commonwealth System of Higher Education PCSHE	1138	2.0	United States	48543	42.7	103
7	University Of North Carolina Chapel Hill	1072	1.9	United States	49400	46.1	104
8	University of Minnesota Twin Cities*	1064	1.9	United States	52071	48.9	111
9	National Institutes of Health NIH USA	1032	1.8	United States	70773	68.6	117
10	University College London	894	1.6	UK	59500	66.6	113
11	University of Pennsylvania	836	1.5	United States	32169	38.5	87
12	VA Boston Healthcare System	833	1.5	United States	34370	41.3	86
13	University of Sydney	811	1.4	Australia	31864	39.3	80
14	Karolinska Institute	800	1.4	Sweden	31281	39.1	81
15	Johns Hopkins University	789	1.4	United States	39817	50.5	78
16	University of Michigan System	750	1.3	United States	24750	33.0	76
17	University of Michigan	749	1.3	United States	24726	33.0	76
18	Centers for Disease Control Prevention USA	720	1.3	United States	92995	129.2	127
19	Baylor College of Medicine	703	1.2	United States	30906	44.0	84
20	University of Toronto	684	1.2	Canada	22860	33.4	63
21	University of Colorado System	675	1.2	United States	22329	33.1	70
22	Columbia University	661	1.2	United States	32119	48.6	75
23	Cincinnati Children S Hospital Medical Center	658	1.1	United States	30649	46.6	88
24	Deakin University	652	1.1	Australia	26634	40.9	72
25	Institute National De La Sante Et De La Recherche Medicale Inserm	641	1.1	France	24516	38.3	77
26	University of Copenhagen	630	1.1	Denmark	20212	32.1	74
27	The State University Of New York SUNY System	614	1.1	United States	22490	36.6	74
28	State University System of Florida	604	1.1	United States	14189	23.5	62
29	Scientific Institute for Research and Healthcare	601	1.0	Italia	20128	33.5	64
30	University of Bristol	594	1.0	UK	41615	70.1	89

* University Of Minnesota Twin Cities ranked number 8th and University Of Minnesota System ranked number 9th.

Because two university had same paper so we keep University Of Minnesota Twin Cities.

The information regarding title and abstract analysis was presented in **Figure S1**. There are 198 terms with the cutoff of 2000 papers from the research title and abstract in our dataset. These words mainly divided into three categories: 1) Intervention (Red); 2) Risk factors (Blue) and 3) Level of obesity and method of measurement (Green).

“Intervention”: most of the paper focused on the study of childhood obesity intervention such as physical activity, education, food intake, diet with the support of parents and the main subjects were students and youth.

“Risk factors”: a large number of appearances depicts a major concern of researcher in term of factors that associated with childhood obesity, including age, body weight, weight gain, pregnancy, and diabetes. **“Obesity prevalence and method of measurement”**: the chief subjects were obese child, adolescent, female or girl. Level of obesity were based on body mass index (BMI), BMI z-score. Method of obese measurement was also mentioned in the **Figure S1**.

Figure S1. Title and abstract analysis

