

Table 1†
The Fifty Journals Most Cited by
Journal of the American Medical Association

Rank	Times Cited	Cited Journal and Its Impact Factor
1.	1212	J. Amer. Med. Assoc. (1.027)
2.	424	N. Engl. J. Med. (2.453)
3.	200	Ann. Internal Med. (1.640)
4.	200	Lancet (1.509)
5.	148	J. Urology (0.950)
6.	140	Amer. J. Med. (4.694)
7.	140	Arch. Internal Med. (1.610)
8.	128	Brit. Med. J. (0.778)
9.	96	Circulation (1.267)
10.	96	J. Clin. Endocr. Metab. (3.829)
11.	88	Science (2.894)
12.	76	Cancer (2.162)
13.	76	HSMHA Health Rep. (0.451)
14.	72	Arch. Dermatol. (0.567)
15.	68	Amer. J. Med. Sci. (0.582)
16.	68	J. Clin. Invest. (3.461)
17.	60	Nature (2.244)
18.	60	Surgery (1.347)
19.	56	Amer. J. Cardiology (2.240)
20.	56	Amer. J. Dis. Children (1.257)
21.	56	Amer. J. Obst. Gynecol. (1.269)
22.	56	Surg. Gynecol. Obst. (1.578)
23.	52	Ann. Surgery (1.665)
24.	52	Arch. Surgery (0.888)
25.	52	Clin. Res. (0.262)
26.	52	J. Lab. Clin. Med. (1.742)
27.	48	Am. J. Epidemiology (1.846)
28.	48	J. Pediatrics (1.459)
29.	48	Neurology (0.868)
30.	48	Radiology (1.533)
31.	44	Proc. Soc. Exp. Biol. Med. (1.964)
32.	40	Amer. J. Roentgenol. (1.257)
33.	40	Anesthesiology (2.040)
34.	40	Southern Med. J. (0.224)
35.	36	Amer. Heart J. (1.980)
36.	36	Amer. J. Clin. Pathol. (0.625)
37.	36	Amer. J. Physiology (3.379)
38.	36	Amer. J. Psychiatry (0.673)
39.	36	Arch. Gen Psychiatry (1.409)
40.	36	Arthritis Rheumatism (0.672)
41.	36	Canad. Med. Assoc. J. (0.350)
42.	36	J. Med. Education (0.393)
43.	36	Medicine (5.217)
44.	36	Obstetrics & Gynecology (0.816)
45.	36	Pediatrics (1.417)
46.	36	Tr. Amer. Soc. Art. Int. Org. (1.367)
47.	32	Arch. Environmental Health (0.632)
48.	32	Arch. Neurol. (1.449)
49.	28	Amer. J. Surgery (0.992)
50.	28	Gastroenterology (1.189)
	4692	Total of first 50
	9360	in 788 others
	14052	Grand Total

† The source of the data on which the lists are based, and the methodology of their manipulation, have been explained previously. See reference 2.

Table 2†
The Fifty Journals Most Cited by
New England Journal of Medicine

Rank	Times Cited	Cited Journal and Its Impact Factor
1.	1172	New Engl. J. Med (2.453)
2.	476	J. Clin. Invest. (3.461)
3.	356	Lancet (1.509)
4.	352	J. Biol. Chem. (6.371)
5.	348	Amer. J. Med (4.694)
6.	308	Ann. Internal Med. (1.640)
7.	300	Circulation (1.267)
8.	288	J. Amer. Med. Assoc. (1.027)
9.	216	Amer. J. Cardiology (2.240)
10.	208	Science (2.894)
11.	196	Brit. Med. J. (0.778)
12.	180	Nature (2.244)
13.	176	J. Clin. Endocrinol. Metab. (3.829)
14.	172	Blood (2.867)
15.	140	Amer. Heart J. (1.980)
16.	140	Arch. Internal Med. (1.610)
17.	140	J. Exp. Med. (9.030)
18.	136	Gastroenterology (1.189)
19.	120	Amer. J. Physiology (3.379)
20.	116	Pediatrics (1.417)
21.	112	Biochem. Biophys. Res. Comm. (4.468)
22.	112	J. Am. Vet. Med. Assoc. (0.448)
23.	112	J. Bacteriol. (3.594)
24.	112	Proc. Nat. Acad. Sci. USA (8.828)
25.	108	Biochim. Biophys. Acta (3.287)
26.	108	Proc. Soc. Exp. Biol. Med. (1.964)
27.	104	Brit. J. Haematol. (2.179)
28.	100	J. Lab. Clin. Med. (1.742)
29.	100	J. Pediatrics (1.459)
30.	88	Ann. New York Acad. Sci. (1.815)
31.	88	Medicine (5.217)
32.	84	J. Heredity (0.600)
33.	80	Clin. Res. (0.262)
34.	80	J. Immunology (4.305)
35.	76	Brit. Heart J. (1.697)
36.	76	Fed. Proc. (0.568)
37.	76	Radiology (1.533)
38.	72	Am. J. Vet. Res. (0.831)
39.	72	Biochem. J. (3.193)
40.	72	Cancer Res. (3.084)
41.	68	Arch. Biochem. Biophys. (3.519)
42.	68	Arch. Pathology (1.509)
43.	68	Biochemistry (5.906)
44.	68	Diabetes (2.039)
45.	60	Amer. J. Dis. Children (1.257)
46.	60	Amer. J. Med. Sci. (0.582)
47.	56	Amer. J. Clin. Pathol. (0.623)
48.	56	Q.J. Med. (4.238)
49.	52	Acta Med. Scand. (1.534)
50.	52	Amer. J. Pathology (1.916)
	7980	in first 50
	17248	in 1019 other publications
	25228	Grand Total

† The source of the data on which the lists are based, and the methodology of their manipulation, have been explained previously. See reference 2.

achieved impact factors as great as 0.237!³

This comparison of *JAMA* and *NEJM* may explain not only the close relationship between *NEJM* and the *Journal of Clinical Investigation*, but the following facts as well. Although *NEJM* and *JAMA* were cited by all other journals with about the same frequency (they rank 24th and 26th respectively in terms of total citations), their own impact factors are significantly different. *NEJM* has an impact of 2.453, standing 160th in terms of impact among all journals. *JAMA*'s impact of 1.027 places it 474th. In both cases, the impact factors would be larger if one excluded letters,

editorials, and other non-articles from "items published," one of the counts on which the impact is figured. But even when that is done, a hasty calculation shows the greater impact of *NEJM* to be not only maintained, but substantially improved. It bears out the findings of the previous editorial,¹ namely that *NEJM* is much more research-oriented than *JAMA*, although both are heavily cited by other clinical journals.

From the list of journals cited by *JAMA*, the average practitioner can easily select a well-rounded collection of clinical journals. His university colleague may well prefer a selection based on the list of journals cited by *NEJM*.

1. Garfield, E. Journal citation studies. 6. *Journal of Clinical Investigation*—how much 'clinical' and how much 'investigation'? *Current Contents*® (CC®) No. 4, 23 January 1973, p. 5-8.
2. -----, Citation analysis as a tool in journal evaluation. *Science* 178:471-79, 1972.

3. -----, The new *ISI Journal Citation Reports* should significantly affect the future course of scientific publication. *CC* No. 33, 15 August 1973, p. 5-6.