

A catalogue of reporting guidelines for health research

Updated tables, 23 August 2013

This is a list of reporting guidelines included in the EQUATOR 'Library for health research reporting' on 23 August 2013; it updates the tables published in:

Simera *et al.* A catalogue of reporting guidelines for health research.

Eur J Clin Invest. 2010;40(1):35-53. PMID [20055895](#)

Experimental studies, including randomised trials

Type of study	Guideline name, acronym, website (if available)	Reference
Randomised controlled trials	CONSORT Statement	<p>Schulz KF, Altman DG, Moher D, for the CONSORT Group. CONSORT 2010 Statement: updated guidelines for reporting parallel group randomised trials.</p> <p>Ann Int Med. 2010;152(11):726-732. PMID: 20335313 BMC Medicine. 2010;8:18. PMID: 20334633 BMJ. 2010;340:c332. PMID: 20332509 J Clin Epidemiol. 2010;63(8):834-840 PMID: 20346629 Lancet. 2010;375(9721):1136 supplementary webappendix Obstet Gynecol. 2010;115(5):1063-1070. PMID: 20410783 Open Med. 2010;4(1):60-68. PLoS Med. 2010;7(3): e1000251. PMID: 20352064 Trials. 2010;11:32. PMID: 20334632</p> <p>Moher D, Hopewell S, Schulz KF, Montori V, Gøtzsche PC, Devereaux PJ, Elbourne D, Egger M, Altman DG, for the CONSORT Group. CONSORT 2010 Explanation and Elaboration: updated guidelines for reporting parallel group randomised trial. BMJ. 2010;340:c869. PMID: 20332511 J Clin Epidemiol. 2010;63(8):e1-e37 PMID: 20346624</p> <p>Note: CONSORT 2010 replaces CONSORT 2001 (PMID: 11323066; PMID: 11304107)</p>
Protocols for clinical trials	SPIRIT 2013 Statement	<p>Chan A-W, Tetzlaff JM, Altman DG, Laupacis A, Gøtzsche PC, Krleža-Jerić K, Hróbjartsson A, Mann H, Dickersin K, Berlin J, Doré C, Parulekar W, Summerskill W, Groves T, Schulz K, Sox H, Rockhold FW, Rennie D, Moher D. SPIRIT 2013 Statement: Defining standard protocol items for clinical trials. Ann Intern Med. 2013;158(3):200-207. PMID: 23295957</p> <p>Chan A-W, Tetzlaff JM, Gøtzsche PC, Altman DG, Mann H, Berlin J, Dickersin K, Hróbjartsson A, Schulz KF, Parulekar WR, Krleža-Jerić K, Laupacis A, Moher D. SPIRIT 2013 Explanation and Elaboration: Guidance for protocols of clinical trials. BMJ. 2013;346:e7586. PMID: 23303884</p>
	The CONSORT group extended the Statement to cover some specific issues:	
	CONSORT Harms:	Ioannidis JP, Evans SJ, Gøtzsche PC, O'Neill RT, Altman

	Reporting harms in randomised controlled trials (RCTs)	DG, Schulz K, Moher D, for the CONSORT Group. Better Reporting of Harms in Randomized Trials: An Extension of the CONSORT Statement. <i>Ann Intern Med.</i> 2004; 141(10):781-788. PMID: 15545678
	CONSORT PRO: Reporting of patient-reported outcomes in randomized trials	Calvert M, Blazeby J, Altman DG, Revicki DA, Moher D, Brundage MD; CONSORT PRO Group. Reporting of patient-reported outcomes in randomized trials: the CONSORT PRO extension. <i>JAMA.</i> 2013;309(8):814-822. PMID: 23443445
	CONSORT Non-inferiority: Reporting noninferiority and equivalence RCTs	Piaggio G, Elbourne DR, Pocock SJ, Evans SJ, Altman DG; CONSORT Group. Reporting of noninferiority and equivalence randomized trials: extension of the CONSORT 2010 statement. <i>JAMA.</i> 2012;308(24):2594-2604. PMID: 23268518 Note: reporting of noninferiority and equivalence randomized trials: extension of the CONSORT 2010 statement replaces reporting of noninferiority and equivalence randomized trials: an extension of the CONSORT statement published in 2006 (PMID: 16522836)
	CONSORT Cluster: Reporting cluster RCTs	Campbell MK, Piaggio G, Elbourne DR, Altman DG; for the CONSORT Group. Consort 2010 statement: extension to cluster randomised trials. <i>BMJ.</i> 2012;345:e5661. PMID: 22951546 Note: the CONSORT 2010 statement: extension to cluster trials replaces the CONSORT statement: extension to cluster randomised trials published in 2004 (PMID: 15031246)
	CONSORT Herbal: Reporting of herbal interventions RCTs	Gagnier JJ, Boon H, Rochon P, Moher D, Barnes J, Bombardier C, for the CONSORT Group. Reporting Randomized, Controlled Trials of Herbal Interventions: An Elaborated CONSORT Statement. <i>Ann Intern Med.</i> 2006;144(5):364-367. PMID: 16520478
	CONSORT Non-pharmacological treatment	Boutron I, Moher D, Altman DG, Schulz K, Ravaud P, for the CONSORT group. Methods and Processes of the CONSORT Group: Example of an Extension for Trials Assessing Nonpharmacologic Treatments. <i>Ann Intern Med.</i> 2008;148(4):W60-W66. PMID: 18283201 Boutron I, Moher D, Altman DG, Schulz KF, Ravaud P. Extending the CONSORT statement to randomized trials of nonpharmacologic treatment: explanation and elaboration. <i>Ann Intern Med.</i> 2008;148(4):295-309. PMID: 18283207
	CONSORT Abstracts	Hopewell S, Clarke M, Moher D, Wager E, Middleton P, Altman DG, Schulz KF and the CONSORT Group. CONSORT for reporting randomized controlled trials in journal and conference abstracts: explanation and elaboration. <i>PLoS Med.</i> 2008;5(1): e20. doi:10.1371/journal.pmed.0050020. PMID: 18215107 Hopewell S, Clarke M, Moher D, Wager E, Middleton P, Altman DG, et al. CONSORT for reporting randomised trials in journal and conference abstracts. <i>Lancet.</i> 2008;

		371(9609):281-283. PMID: 18221781
	CONSORT Pragmatic Trials	Zwarenstein M, Treweek S, Gagnier JJ, Altman DG, Tunis S, Haynes B, Oxman AD, Moher D; CONSORT group; Pragmatic Trials in Healthcare (Practihc) group. Improving the reporting of pragmatic trials: an extension of the CONSORT statement. BMJ. 2008;337:a2390. PMID: 19001484
	Controlled trials of acupuncture STRICTA	MacPherson H, Altman DG, Hammerschlag R, Youping L, Taixiang W, White A, Moher D; STRICTA Revision Group. Revised STAndards for Reporting Interventions in Clinical Trials of Acupuncture (STRICTA): extending the CONSORT statement. PLoS Med. 2010;7(6):e1000261. PMID: 20543992 This revised guidance replaces STRICTA 2001 (PMID: 12184354 , PMID: 11926601 PMID: 11890439)
	Four groups independent from the CONSORT group have expanded the CONSORT criteria to other areas of clinical research:	
	Allergen-specific immunotherapy	Bousquet PJ, Brozek J, Bachert C, Bieber T, Bonini S, Burney P, et al. The CONSORT statement checklist in allergen-specific immunotherapy: a GA2LEN paper. Allergy. 2009;64(12):1737-1745. PMID: 19860788
	Paediatric RCTs CONSORT - C(children)	Saint-Raymond A, Hill S, Martines J, Bahl R, Fontaine O, Bero L. CONSORT 2010. Lancet. 2010;376(9737):229-230. PMID: 20656114
	Behavioural medicine RCTs	Davidson KW, Goldstein M, Kaplan RM, Kaufmann PG, Knatterud GL, Orleans CT, Spring B, Trudeau KJ, Whitlock EP. Evidence-based behavioral medicine: what is it and how do we achieve it? Ann Behav Med. 2003; 26(3):161-171. PMID: 14644692
Behavioural medicine RCTs	WIDER recommendations	WIDER recommendations for reporting of behaviour change interventions. On behalf of the Workgroup for Intervention Development and Evaluation Research. Full-text (in pdf format) available from: WIDER recommendations
	Occupational therapy RCTs	Moberg-Mogren E, Nelson DL. Evaluating the quality of reporting occupational therapy randomized controlled trials by expanding the CONSORT criteria. Am J Occup Ther. 2006;60(2):226-235. PMID: 16596926
	RedHot Homeopathic treatments	Dean ME, Coulter MK, Fisher P, Jobst K, Walach H. Reporting data on homeopathic treatments (RedHot): A supplement to CONSORT. Forsch Komplementmed. 2006;13(6):368-371. PMID: 17200612
Tailored intervention studies		Harrington NG, Noar SM. Reporting standards for studies of tailored interventions. Health Educ Res. 2012;27(2):331-342. PMID: 22156230
	Vibration intervention studies	Rauch F, Sievanen H, Boonen S, Cardinale M, Degens H, Felsenberg D, Roth J, Schoenau E, Verschueren S, Rittweger J. Reporting whole-body vibration intervention studies: recommendations of the International Society of Musculoskeletal and Neuronal Interactions. J Musculoskelet Neuronal Interact. 2010;10(3):193-198. PMID: 20811143

	Music-based interventions (expanding CONSORT and TREND)	Robb SL, Carpenter JS, Burns DS. Reporting guidelines for music-based interventions. J Health Psychol. 2011;16(2):342-52. PMID: 20709884 Music Med. 2011;3(4):271-279. PMID: 23646227
	e-health interventions	Baker TB, Gustafson DH, Shaw B, Hawkins R, Pingree S, Roberts L, Strecher V. Relevance of CONSORT reporting criteria for research on eHealth interventions. Patient Educ Couns. 2010;81 Suppl: S77-86. PMID: 20843621
	CONSORT-EHEALTH	Eysenbach G; CONSORT-EHEALTH Group. CONSORT-EHEALTH: improving and standardizing evaluation reports of Web-based and mobile health interventions. J Med Internet Res. 2011;13(4):e126. PMID: 22209829
Adjudication committees in clinical trials		Dechartres A, Boutron I, Roy C, Ravaud P. Inadequate planning and reporting of adjudication committees in clinical trials: recommendation proposal. J Clin Epidemiol. 2009;62(7):695-702. PMID: 19135860
Data monitoring committees, interim analysis and early termination in clinical trials		Fernandes RM, van der Lee JH, Offringa M. A systematic review of the reporting of Data Monitoring Committees' roles, interim analysis and early termination in pediatric clinical trials. BMC Pediatr. 2009;9:77. PMID: 20003383
Quality of life assessed in clinical trials		Staquet M, Berzon R, Osoba D, Machin D. Guidelines for reporting results of quality of life assessments in clinical trials. QUAL LIFE RES 1996;5(5):496-502. PMID: 8973129
Quality of life in cancer clinical trials		Lee CW, Chi KN. The standard of reporting of health-related quality of life in clinical cancer trials. J Clin Epidemiol. 2000;53(5):451-458. PMID: 10812316
Neuro-oncology trials - phase I and II	GNOSIS	Chang SM, Reynolds SL, Butowski N, Lamborn KR, Buckner JC, Kaplan RS, Bigner DD. GNOSIS: guidelines for neuro-oncology: standards for investigational studies-reporting of phase 1 and phase 2 clinical trials. Neuro Oncol. 2005;7(4):425-434. PMID: 16212807
Neuro-oncology trials - surgery	GNOSIS	Chang S, Vogelbaum M, Lang FF, Haines S, Kunwar S, Chiocca EA, et al. GNOSIS: Guidelines for Neuro-Oncology: Standards for Investigational Studies - reporting of surgically based therapeutic clinical trials. J Neurooncol. 2007;82(2):211-220. PMID: 17146595
Phase II trials with historical data		Vickers AJ, Ballen V, Scher HI. Setting the bar in phase II trials: the use of historical data for determining "go/no go" decision for definitive phase III testing. Clin Cancer Res. 2007;13(3):972-976. PMID: 17277252
Complex interventions	CReDECI	Möhler R, Bartoszek G, Köpke S, Meyer G. Proposed criteria for reporting the development and evaluation of complex interventions in healthcare (CReDECI): guideline development. Int J Nurs Stud. 2012;49(1):40-46. PMID: 21924424
Non-randomised evaluations of behavioural and public health interventions	TREND	Des Jarlais DC, Lyles C, Crepaz N, TREND Group. Improving the reporting quality of nonrandomized evaluations of behavioral and public health interventions: the TREND statement. Am J Public Health. 2004;94(3):361-366. PMID: 14998794

Non-randomised studies		Reeves BC, Gaus W. Guidelines for reporting non-randomised studies. <i>Forsch Komplementarmed Klass Naturheilkd.</i> 2004;11 Suppl 1:46-52. PMID: 15353903
Comparative effectiveness research		Berger ML, Mamdani M, Atkins D, Johnson ML. Good research practices for comparative effectiveness research: Defining, reporting and interpreting nonrandomized studies of treatment effects using secondary data sources: The ISPOR good research practices for retrospective database analysis task force report - Part i. <i>Value in Health.</i> 2009;12(8):1044-1052. PMID: 19793072
Infection control intervention studies	ORION	Stone SP, Cooper BS, Kibbler CC, Cookson BD, Roberts JA, Medley GF, Duckworth G, Lai R, Ebrahim S, Brown EM, Wiffen PJ, Davey PG. The ORION statement: guidelines for transparent reporting of Outbreak Reports and Intervention studies Of Nosocomial infection. <i>J Antimicrob Chemother.</i> 2007;59(5):833-840. PMID: 17387116 <i>Lancet Infect Dis.</i> 2007;7:282–288. PMID: 17376385
Intervention studies of health benefits of foods		Welch RW, Antoine JM, Berta JL, Bub A, de Vries J, Guarner F, Hasselwander O, Hendriks H, Jäkel M, Koletzko BV, Patterson CC, Richelle M, Skarp M, Theis S, Vidry S, Woodside JV; International Life Sciences Institute Europe Functional Foods Task Force. Guidelines for the design, conduct and reporting of human intervention studies to evaluate the health benefits of foods. <i>Br J Nutr.</i> 2011;106 Suppl 2:S3-15. PMID: 22129662
Basic research in homeopathy	REHBar	Stock-Schroer B, Albrecht H, Betti L, Endler PC, Linde K, Ludtke R, et al. Reporting experiments in homeopathic basic research (REHBar)-a detailed guideline for authors. <i>Homeopathy.</i> 2009;98(4):287-298. PMID: 19945681
Mixed research in counselling (quantitative and qualitative)		Leech NL, Onwuegbuzie AJ. Guidelines for conducting and reporting mixed research in the field of counseling and beyond. <i>Journal of Counseling and Development.</i> 2010;88(1):61-69.
Neuroimaging for small vessel disease		Wardlaw JM, Smith EE, Biessels GJ, Cordonnier C, Fazekas F, Frayne R, Lindley RI, O'Brien JT, Barkhof F, Benavente OR, Black SE, Brayne C, Breteler M, Chabriat H, Decarli C, de Leeuw FE, Doubal F, Duering M, Fox NC, Greenberg S, Hachinski V, Kilimann I, Mok V, Oostenbrugge Rv, Pantoni L, Speck O, Stephan BC, Teipel S, Viswanathan A, Werring D, Chen C, Smith C, van Buchem M, Norrving B, Gorelick PB, Dichgans M; STandards for ReportIng Vascular changes on nEuroimaging (STRIVE v1). Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. <i>Lancet Neurol.</i> 2013;12(8):822-838. PMID: 23867200

Observational studies

Type of study	Guideline name,	Reference
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	acronym, website (if available)	
Observational studies in epidemiology	STROBE	<p>von Elm E, Altman DG, Egger M, Pocock SJ, Gotsche PC, Vandenbroucke JP. The Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) Statement: guidelines for reporting observational studies.</p> <p>Ann Intern Med. 2007;147(8):573-577. PMID: 17938396 PLOS Med. 2007;4(10):e296. PMID: 17941714 BMJ. 2007;335(7624):806-808. PMID: 17947786 Prev Med. 2007;45(4):247-251. PMID: 17950122 Epidemiology. 2007;18(6):800-804. PMID: 18049194 Lancet. 2007;370(9596):1453-1457. PMID: 18064739</p> <p>Vandenbroucke JP, von Elm E, Altman DG, Gotsche PC, Mulrow CD, Pocock SJ, Poole C, Schlesselman JJ, Egger M. Strengthening the Reporting of Observational Studies in Epidemiology (STROBE): Explanation and Elaboration.</p> <p>PLOS Med. 2007;4(10):e297. PMID: 17941715 Epidemiology. 2007;18(6):805-835. PMID: 18049195 Ann Intern Med. 2007;147(8):W163-94. PMID: 17938389</p>
	The STROBE Statement has been extended to cover genetic association studies:	
	STREGA Genetic association studies	<p>Little J, Higgins JP, Ioannidis JP, Moher D, Gagnon F, von Elm E, et al. STrengthening the REporting of Genetic Association Studies (STREGA): An Extension of the STROBE Statement.</p> <p>PLOS Med. 2009;6(2):e22. PMID: 19192942 Hum Genet. 2009;125(2):131-151. PMID: 19184668 Eur J Epidemiol. 2009;24(1):37-55. PMID: 19189221 Ann Intern Med. 2009;150(3):206-215. PMID: 19189911 J Clin Epidemiol. 2009;62(6):597-608.e4. PMID: 19217256 Genet Epidemiol. 2009;33(7):581-598. PMID: 19278015 Eur J Clin Invest. 2009;39(4):247-266. PMID: 19297801</p>
Molecular epidemiology (biomarker) studies	STROBE-ME	<p>Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, Matullo G, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P. STrengthening the Reporting of OBServational studies in Epidemiology - Molecular Epidemiology (STROBE-ME): An extension of the STROBE statement. Eur J Clin Invest. 2012;42(1):1-16. PMID: 22023344</p>
Observational studies of menopause and aging	STROMA	<p>Melby MK, Sievert LL, Anderson D, Obermeyer CM. Overview of methods used in cross-cultural comparisons of menopausal symptoms and their determinants: Guidelines for Strengthening the Reporting of Menopause and Aging (STROMA) studies. Maturitas. 2011;70(2):99-109. PMID: 21840143</p>
Immunogenomic studies	STREIS	<p>Hollenbach JA, Mack SJ, Gourraud PA, Single RM, Maiers M, Middleton D, Thomson G, Marsh SG, Varney MD; for the Immunogenomics Data Analysis Working Group. A community standard for immunogenomic data reporting and analysis: proposal for a STrengthening the REporting of Immunogenomic Studies statement. Tissue Antigens. 2011; 78(5):333-344. PMID: 21988720</p>
Infection control intervention studies	ORION	<p>Stone SP, Cooper BS, Kibbler CC, Cookson BD, Roberts JA, Medley GF, Duckworth G, Lai R, Ebrahim S, Brown EM, Wiffen</p>

		<p>PJ, Davey PG. The ORION statement: guidelines for transparent reporting of Outbreak Reports and Intervention studies Of Nosocomial infection.</p> <p>J Antimicrob Chemother. 2007;59(5):833-840. PMID: 17387116</p> <p>Lancet Infect Dis. 2007;7: 282–288. PMID: 17376385</p>
Longitudinal observational studies in rheumatology		<p>Wolfe F, Lassere M, van der Heijde D, Stucki G, Suarez-Almazor M, Pincus T, Eberhardt K, Kvien TK, Symmons D, Silman A, van Riel P, Tugwell P, Boers M. Preliminary core set of domains and reporting requirements for longitudinal observational studies in rheumatology. J Rheumatol. 1999; 26(2):484-489. PMID: 9972992</p>
Safety studies of biological therapies/data from biologics registers in rheumatology		<p>Dixon WG, Carmona L, Finckh A, Hetland ML, Kvien TK, Landewe R, Listing J, Nicola PJ, Tarp U, Zink A, Askling J. EULAR points to consider when establishing, analysing and reporting safety data of biologics registers in rheumatology. Ann Rheum Dis. 2010;69(9):1596-1602. PMID: 20525843</p>
Comparative effectiveness research		<p>Berger ML, Mamdani M, Atkins D, Johnson ML. Good research practices for comparative effectiveness research: Defining, reporting and interpreting nonrandomized studies of treatment effects using secondary data sources: The ISPOR good research practices for retrospective database analysis task force report - Part i. Value in Health. 2009;12(8):1044-1052. PMID: 19793072</p>
Case series		<p>Jabs DA. Improving the Reporting of Clinical Case Series. Am J Ophthalmol. 2005;139(5):900-905. PMID: 15860297</p>
Case series		<p>Kempen JH. Appropriate use and reporting of uncontrolled case series in the medical literature. Am J Ophthalmol. 2011;151(1):7-10.e1. PMID: 21163373</p>
Case series - acupuncture (conduct, reporting)		<p>White A. Conducting and reporting case series and audits--author guidelines for acupuncture in medicine. Acupunct Med. 2005;23(4):181-187. PMID: 16430126</p>
Case-control studies (participation)		<p>Olson SH, Voigt LF, Begg CB, Weiss NS. Reporting participation in case-control studies. Epidemiology. 2002; 13(2):123-126. PMID: 11880750</p>
Case reports		<p>Sorinola O, Olufowobi O, Coomarasamy A, Khan KS. Instructions to authors for case reporting are limited: a review of a core journal list. BMC Med Educ. 2004; 4:4. PMID: 15043755</p>
Case reports	Cases Journal	No published guideline available - journal's instructions.
Case reports	BMJ guidance	No published guideline available - journal's instructions.
Case reports in behavioural clinical psychology		<p>Virues-Ortega J and Moreno-Rodriguez R. Guidelines for clinical case reports in behavioral clinical psychology. Int J Clin Health Psychology. 2008;8(3):765-777.</p>
Adverse event reports		<p>Kelly WN, Arellano FM, Barnes J, Bergman U, Edwards RI, Fernandez AM, et al. Guidelines for submitting adverse event reports for publication.</p> <p>Drug Saf. 2007;30(5):367-373. PMID: 17472416</p> <p>Pharmacoepidemiol Drug Saf. 2007;16(5):581-587. PMID: 17471601</p>

Adverse event reports – traditional Chinese medicine		Wu T, Shang H, Bian Z, Zhang J, Li T, Li Y, Zhang B. Recommendations for reporting adverse drug reactions and adverse events of traditional Chinese medicine. J Evid Based Med. 2010;3(1):11-17. PMID: 21349035
Anecdotes of suspected drug adverse reactions	PHARMA	Aronson JK. Anecdotes as evidence. BMJ 2003; 326(7403):1346. PMID: 12816800
Tumour marker prognostic studies	REMARK	McShane LM, Altman DG, Sauerbrei W, Taube SE, Gion M, Clark GM. REporting recommendations for tumour MARKer prognostic studies (REMARK). Br J Cancer. 2005;93(4):387-391. PMID: 16106245 Eur J Cancer. 2005;41(12):1690-1696. PMID: 16043346 J Natl Cancer Inst. 2005;97(16):1180-1184. PMID: 16106022 Nat Clin Pract Oncol. 2005;2(8):416-422. PMID: 16130938 J Clin Oncol. 2005;23(36):9067-9072. PMID: 16172462 Altman DG, McShane LM, Sauerbrei W, Taube SE. Reporting recommendations for tumor marker prognostic studies (REMARK): explanation and elaboration. BMC Med. 2012;10:51. PMID: 22642691 PLoS Med 9(5): e1001216. Link to full-text
Prognostic signature studies – non-small cell lung cancer		Subramanian J, Simon R. Gene expression-based prognostic signatures in lung cancer: ready for clinical use? J Natl Cancer Inst. 2010;102(7):464-474. PMID: 20233996
Prognostic studies with missing covariate data		Burton A, Altman DG. Missing covariate data within cancer prognostic studies: a review of current reporting and proposed guidelines. Br J Cancer. 2004;91(1):4-8. PMID: 15188004
Clinical proteomic biomarker studies		Mischak H, Allmaier G, Apweiler R, Attwood T, Baumann M, Benigni A et al.: Recommendations for biomarker identification and qualification in clinical proteomics. Sci Transl Med. 2010;2: 46ps42. PMID: 20739680
Genetic risk prediction studies	GRIPS	Janssens AC, Ioannidis JP, van Duijn CM, Little J, Khoury MJ; GRIPS Group. Strengthening the reporting of Genetic Risk Prediction Studies: the GRIPS Statement. PLoS Med. 2011;8(3):e1000420. PMID: 21423587 Genet Med. 2011;13(5):453-456. PMID: 21502867 Eur J Clin Inves. 2011;41(9):1004-1009. PMID: 21434891 Eur J Epidemiol. 2011;26(4):255-259. PMID: 21431409 J Clin Epidemiol. 2011;64(8):843-847. PMID: 21414754 BMJ. 2011;16:342:d631. PMID: 21411493 Genome Med. 2011;3(3):16. PMID: 21410995 Eur J Hum Genet. 2011;19(8):833-836. PMID: 21407265 Circ Cardiovasc Genet. 2011;4(2):206-209. PMID: 21406688 Ann Intern Med. 2011;154(6):421-425. PMID: 21403077 ACJW Janssens, JPA Ioannidis, S Bedrosian, P Boffetta, SM Dolan, N Dowling, I Fortier, AN Freedman, JM Grimshaw, J Gulcher, M Gwinn, MA Hlatky, H Janes, P Kraft, S Melillo, CJ O'Donnell, MJ Pencina, D Ransohoff, SD Schully, D Seminara, DM Winn, CF Wright, CM van Duijn, J Little, MJ Khoury. Strengthening the reporting of genetic risk prediction studies (GRIPS): explanation and elaboration.

		Eur J Clin Invest. 2011;41(9):1010-1035. PMID: 21434890 Eur J Epidemiol. 2011;26(4):313-337. PMID: 21424820 J Clin Epidemiol. 2011;64(8):e1-22. PMID: 21414753 Eur J Hum Genet. 2011;19(5):18. PMID: 21407270
Genetic results in research studies		Bookman E, Langehorne A, Eckfeldt J, Glass K, Jarvik G, Klag M, Koski G, Motulsky A, Wilfond B, Manolio T, Fabsitz R, Luepker RV. Reporting genetic results in research studies: summary and recommendations of an NHLBI working group. Am J Med Genet Part A. 2006;140(10):1033-1040. PMID: 16575896
Survey research (conduct, reporting)		Kelley K, Clark B, Brown V, Sitzia J. Good practice in the conduct and reporting of survey research. Int J Qual Health Care. 2003;15(3):261-266. PMID: 12803354
		Burns KE, Duffett M, Kho ME, Meade MO, Adhikari NK, Sinuff T, et al. A guide for the design and conduct of self-administered surveys of clinicians. CMAJ. 2008;179(3):245-252. PMID: 18663204
Quality of medicine surveys		Newton PN, Lee SJ, Goodman C, Fernandez FM, Yeung S, Phanouvong S, et al. Guidelines for field surveys of the quality of medicines: a proposal. PLoS Med. 2009;6(3):e52. PMID: 19320538
Internet e-surveys		Eysenbach G. Improving the quality of Web surveys: the Checklist for Reporting Results of Internet E-Surveys (CHERRIES). J Med Internet Res. 2004;6(3):e34. PMID: 15471760 A correction has been made to table 1 in this paper: link to correction
Momentary self-report data		Stone AA, Shiffman S. Capturing momentary, self-report data: a proposal for reporting guidelines. Ann Behav Med. 2002;24(3):236-243. PMID: 12173681
Neuroimaging for small vessel disease		Wardlaw JM, Smith EE, Biessels GJ, Cordonnier C, Fazekas F, Frayne R, Lindley RI, O'Brien JT, Barkhof F, Benavente OR, Black SE, Brayne C, Breteler M, Chabriat H, Decarli C, de Leeuw FE, Doubal F, Duering M, Fox NC, Greenberg S, Hachinski V, Kilimann I, Mok V, Oostenbrugge Rv, Pantoni L, Speck O, Stephan BC, Teipel S, Viswanathan A, Werring D, Chen C, Smith C, van Buchem M, Norrving B, Gorelick PB, Dichgans M; STandards for ReportIng Vascular changes on nEuroimaging (STRIVE v1). Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. Lancet Neurol. 2013;12(8):822-838. PMID: 23867200

Diagnostic accuracy studies

Type of study	Guideline name, acronym, website (if available)	Reference
Diagnostic accuracy studies	STARD	Bossuyt PM, Reitsma JB, Bruns DE, Gatsonis CA, Glasziou PP, Irwig LM, Lijmer JG, Moher D, Rennie D, de Vet HC. Towards complete and accurate reporting of studies of diagnostic accuracy: the STARD initiative. Standards for Reporting of Diagnostic Accuracy.

		<p>Clin Chem. 2003;49(1):1-6. PMID: 12507953 BMJ. 2003;326(7379):41-44. PMID: 12511463 Radiology. 2003;226(1):24-28. PMID: 12511664 Ann Intern Med. 2003;138(1):40-44. PMID: 12513043 Am J Clin Pathol. 2003;119(1):18-22. PMID: 12520693 Clin Biochem. 2003;36(1):2-7. PMID: 12554053 Clin Chem Lab Med. 2003;41(1):68-73. PMID: 12636052</p> <p>Bossuyt PM, Reitsma JB, Bruns DE, Gatsonis CA, Glasziou PP, Irwig LM, et al. The STARD statement for reporting studies of diagnostic accuracy: explanation and elaboration.</p> <p>Clin Chem. 2003;49(1):7-18. PMID: 12507954 Ann Intern Med. 2003;138(1):W1-12. PMID: 12513067</p>
Clinical examination diagnostic accuracy studies		<p>Simel DL, Rennie D, Bossuyt PM. The STARD statement for reporting diagnostic accuracy studies: application to the history and physical examination. J Gen Intern Med. 2008;23(6):768-774. PMID: 18347878</p>

Biospecimen reporting

Type of study	Guideline name, acronym, website (if available)	Reference
Biospecimen reporting	BRISQ	Moore HM, Kelly AB, Jewell SD, McShane LM, Clark DP, Greenspan R, Hayes DF, Hainaut P, Kim P, Mansfield EA, Potapova O, Riegman P, Rubinstein Y, Seijo E, Somiari S, Watson P, Weier HU, Zhu C, Vaught J. Biospecimen reporting for improved study quality (BRISQ). Cancer Cytopathol. 2011;119(2):92-101. PMID: 21433001

Reliability and agreement studies

Type of study	Guideline name, acronym, website (if available)	Reference
Reliability and agreement studies	GRRAS	<p>Kottner J, Audigé L, Brorson S, Donner A, Gajewski BJ, Hróbjartsson A, Robersts C, Shoukri M, Streiner DL. Guidelines for reporting reliability and agreement studies (GRRAS) were proposed.</p> <p>J Clin Epidemiol. 2011;64(1):96-106 PMID: 21130355 Int J Nurs Stud. 2011;48(6):661-671. PMID: 21514934</p>

Systematic reviews and meta-analyses

Type of study	Guideline name, acronym, website (if available)	Reference
Systematic reviews and meta-analyses	PRISMA	Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group. Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement.

		<p>PLoS Med. 2009;6(7):e1000097. PMID: 19621072 BMJ. 2009;339:b2535. PMID: 19622551 Ann Intern Med. 2009;151(4):264-269, W64. PMID: 19622511 J Clin Epidemiol. 2009;62(10):1006-1012. PMID: 19631508 Open Med. 2009;3(3);123-130</p> <p>Liberati A, Altman DG, Tetzlaff J, Mulrow C, Gøtzsche PC, et al. The PRISMA Statement for Reporting Systematic Reviews and Meta-Analyses of Studies That Evaluate Health Care Interventions: Explanation and Elaboration.</p> <p>PLoS Med. 2009;6(7): e1000100. PMID: 19621070 BMJ. 2009;339:b2700. PMID: 19622552 Ann Intern Med. 2009;151(4):W65-94. PMID: 19622512</p> <p>PRISMA Statement replaces the QUOROM guideline (PMID: 10584742)</p>
Systematic review and meta-analysis abstracts	PRISMA-Abstracts	<p>Beller EM, Glasziou PP, Altman DG, Hopewell S, Bastian H, Chalmers I, Gøtzsche PC, Lasserson T, Tovey D; PRISMA for Abstracts Group. PRISMA for Abstracts: Reporting Systematic Reviews in Journal and Conference Abstracts. PLoS Med. 2013;10(4):e1001419. PMID: 23585737</p>
Systematic reviews with a focus on health equity	PRISMA-Equity	<p>Welch V, Petticrew M, Tugwell P, Moher D, O'Neill J, et al. (2012) PRISMA-Equity 2012 Extension: Reporting Guidelines for Systematic Reviews with a Focus on Health Equity. PLoS Med. 9(10):e1001333. Link to full-text</p>
Meta-analysis of individual participant data		<p>Riley RD, Lambert PC, Ho-Zaid G. Meta-analysis of individual participant data: rationale, conduct, and reporting. BMJ. 2010; 340:c221. PMID: 20139215</p>
Meta-analyses of observational studies	MOOSE	<p>Stroup DF, Berlin JA, Morton SC, Olkin I, Williamson GD, Rennie D, Moher D, Becker BJ, Sipe TA, Thacker SB. Meta-analysis of observational studies in epidemiology: a proposal for reporting. Meta-analysis Of Observational Studies in Epidemiology (MOOSE) group. JAMA. 2000;283(15):2008-2012. PMID: 10789670</p>
	RAMESES: realist syntheses	<p>Wong G, Greenhalgh T, Westhorp G, Buckingham J, Pawson R. RAMESES publication standards: realist syntheses. BMC Med. 2013;11:21. PMID: 23360677</p>
	RAMESES: meta-narrative reviews	<p>Wong G, Greenhalgh T, Westhorp G, Buckingham J, Pawson R. RAMESES publication standards: meta-narrative reviews. BMC Med. 2013;11:20. PMID: 23360661</p>

Other resources that include guidance on reporting systematic reviews

1. [Cochrane Handbook for Systematic Reviews of Interventions](#), Cochrane Collaboration. [Standards for the Reporting of Cochrane Intervention Reviews \(MECIR\)](#), Cochrane Collaboration.
2. Little J, Higgins JPT (editors). [The HuGENE™ HuGE Review Handbook](#), version 1.0. Guidelines for systematic review and meta-analysis of gene disease association studies (see also Systematic Reviews of Genetic Association Studies, [PLoS Medicine 2009, 6 \(3\):e1000028](#))

3. [Systematic Reviews](#). CRD's guidance for undertaking reviews in health care. Centre for Reviews and Dissemination, University of York, 2009
4. Finding What Works in Health Care: Standards for Systematic Reviews. Chapter 5 - Standards for Reporting Systematic Reviews. Institute of Medicine consensus report. 2011 ([full text](#)).

Qualitative research

Type of study	Guideline name, acronym, website (if available)	Reference
Qualitative research	COREQ	Tong A, Sainsbury P, Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. <i>Int J Qual Health Care</i> . 2007; 19(6):349-357. PMID: 17872937
Qualitative research	ENTREQ	Tong A, Flemming K, McInnes E, Oliver S, Craig J. Enhancing transparency in reporting the synthesis of qualitative research: ENTREQ. <i>BMC Med Res Methodol</i> . 2012;12(1):181. PMID: 23185978
Qualitative research		Malterud K. Qualitative research: standards, challenges, and guidelines. <i>Lancet</i> . 2001;358(9280):483-488. PMID: 11513933
Qualitative research		Blignault I, Ritchie J. Revealing the wood and the trees: reporting qualitative research. <i>Health Promot J Austr</i> 2009 Aug; 20(2):140-145. PMID: 19642963
Qualitative research studies in psychology and related fields		Elliott R, Fischer CT, Rennie DL. Evolving guidelines for publication of qualitative research studies in psychology and related fields. <i>Br J Clin Psychol</i> . 1999;38 (3):215-229. PMID: 10532145
Qualitative research	RATS	The RATS guidelines modified for BioMed Central Instructions to Authors are copyright Jocalyn Clark, BMJ. They can be found in Clark JP: How to peer review a qualitative manuscript. In <i>Peer Review in Health Sciences</i> . Second edition. Edited by Godlee F, Jefferson T. London: BMJ Books; 2003:219-235.
Mixed research in counselling (quantitative and qualitative)		Leech NL, Onwuegbuzie AJ. Guidelines for conducting and reporting mixed research in the field of counseling and beyond. [References]. <i>Journal of Counseling and Development</i> . 2010; 88(1):61-69.

Mixed methods studies

Type of study	Guideline name, acronym, website (if available)	Reference
Mixed methods		O'Cathain A, Murphy E, Nicholl J. The quality of mixed methods studies in health services research. <i>J Health Serv Res Policy</i> . 2008;13(2):92-98. PMID: 18416914
Mixed research in counselling (quantitative and qualitative)		Leech NL, Onwuegbuzie AJ. Guidelines for conducting and reporting mixed research in the field of counseling and beyond. <i>Journal of Counseling and Development</i> . 2010;88(1):61-69.

Economic evaluations

Type of study	Guideline name, acronym, website (if available)	Reference
Economic evaluations	CHEERS	<p>Husereau D, Drummond M, Petrou S, Carswell C, Moher D, Greenberg D, Augustovski F, Briggs AH, Mauskopf J, Loder E. Consolidated Health Economic Evaluation Reporting Standards (CHEERS) statement.</p> <p>Eur J Health Econ. 2013;14(3):367-372. PMID: 23526140 Value Health. 2013;16(2):e1-e5. PMID: 23538200 Clin Ther. 2013;35(4):356-363. PMID: 23537754 Cost Eff Resour Alloc. 2013;11(1):6. PMID: 23531194 BMC Med. 2013;11:80. PMID: 23531108 BMJ. 2013;346:f1049. PMID: 23529982 Pharmacoeconomics. 2013;31(5):361-367. PMID: 23529207 J Med Econ. 2013;16(6):713-719. PMID: 23521434 Int J Technol Assess Health Care. 2013;29(2):117-122. PMID: 23587340 BJOG. 2013;120(6):765-770. PMID: 23565948</p> <p>Husereau D, Drummond M, Petrou S, Carswell C, Moher D, Greenberg D, Augustovski F, Briggs AH, Mauskopf J, Loder E; on behalf of the ISPOR Health Economic Evaluation Publication Guidelines - CHEERS Good Reporting Practices Task Force. Consolidated Health Economic Evaluation Reporting Standards (CHEERS)- Explanation and Elaboration: A Report of the ISPOR Health Economic Evaluation Publication Guidelines Good Reporting Practices Task Force. Value Health. 2013;16(2):231-250. PMID: 23538175</p>
Cost-effectiveness analyses		<p>Siegel JE, Weinstein MC, Russell LB, Gold MR. Recommendations for reporting cost-effectiveness analyses. Panel on Cost-Effectiveness in Health and Medicine. JAMA. 1996;276(16):1339-1341. PMID: 8861994</p>
Cost-effectiveness analyses conducted as part of clinical trials (design, conduct, reporting)	ISPOR RCT-CEA	<p>Ramsey S, Willke R, Briggs A, Brown R, Buxton M, Chawla A, Cook J, Glick H, Liljas B, Petitti D, Reed S. Good Research Practices for Cost-Effectiveness Analysis Alongside Clinical Trials: The ISPOR RCT-CEA Task Force Report. Value in Health. 2005;8(5):521-533. PMID: 16176491</p>
Economic evaluation for trial-based studies and decision analytic models (design, analysis, reporting)		<p>Drummond M, Manca A, Sculpher M. Increasing the generalizability of economic evaluations: recommendations for the design, analysis, and reporting of studies. Int J Technol Assess Health Care. 2005;21(2):165-171. PMID: 15921055</p>
Economic evaluation (modelling studies)		<p>Nuijten MJ, Pronk MH, Brorens MJ, Hekster YA, Lockfeer JH, de Smet PA, Bonsel G, van der Kuy A. Reporting format for economic evaluation. Part II: Focus on modelling studies. Pharmacoeconomics. 1998;14(3):259-268. PMID: 10186465</p>
Economic evaluation		<p>Petrou S, Gray A. Economic evaluation alongside randomised controlled trials: design, conduct, analysis, and reporting. BMJ. 2011;7;342:d1548. PMID: 21474510</p>
Economic evaluation (modelling)		<p>Petrou S, Gray A. Economic evaluation using decision analytical modelling: design, conduct, analysis, and reporting. BMJ. 2011;</p>

		11;342:d1766. PMID: 21482590
Economic evaluation studies in obstetrics (design, execution, interpretation, reporting)		Vintzileos AM, Beazoglou T. Design, execution, interpretation, and reporting of economic evaluation studies in obstetrics. Am J Obstet Gynecol. 2004;191(4):1070-1076. PMID: 15507923
Economic evaluation of haemophilia prophylaxis		Nicholson A, Berger K, Bohn R, Carcao M, Fischer K, Gringeri A, et al. Recommendations for reporting economic evaluations of haemophilia prophylaxis: a nominal group consensus statement on behalf of the Economics Expert Working Group of The International Prophylaxis Study Group. Haemophilia. 2008; 14(1):127-132. PMID: 18005148
Economic evaluations of fall prevention strategies		Davis JC, Robertson MC, Comans T, Scuffham PA. Guidelines for conducting and reporting economic evaluation of fall prevention strategies. Osteoporos Int. 2011;22(9):2449-2459. PMID: 21104231

Quality improvement studies

Type of study	Guideline name, acronym, website (if available)	Reference
Quality improvement studies	SQUIRE	Davidoff F, Batalden P, Stevens D, Ogrinc G, Mooney S. Publication guidelines for quality improvement in health care: evolution of the SQUIRE project. Qual Saf Health Care. 2008;17 Suppl 1:i3-i9. PMID: 18836063 BMJ. 2009;338:a3152. PMID: 19153129 Jt Comm J Qual Patient Saf. 2008;34(11):681-687. PMID: 19025090 Ann Intern Med. 2008;149(9):670-676.PMID: 18981488 J Gen Intern Med. 2008;23(12):2125-2130. PMID: 18830766
Quality improvement studies		Moss F, Thompson R. A new structure for quality improvement reports. Qual Saf Health Care. 1999;8(2):76. PMID: 10557680

Other reporting guidelines

Some guidelines were impossible to categorise under the above headings; they provide guidance for reporting other types of research studies.

Type of study	Guideline name, acronym, website (if available)	Reference
Quality of life assessed in clinical trials		Staquet M, Berzon R, Osoba D, Machin D. Guidelines for reporting results of quality of life assessments in clinical trials. Qual Life Res. 1996;5(5):496-502. PMID: 8973129
Quality of life in cancer clinical trials		Lee CW, Chi KN. The standard of reporting of health-related quality of life in clinical cancer trials. J Clin Epidemiol. 2000;53(5):451-458. PMID: 10812316
Clinical guidelines	COGS	Shiffman RN, Shekelle P, Overhage JM, Slutsky J, Grimshaw J, Deshpande AM. Standardized reporting of clinical practice guidelines: a proposal from the Conference on Guideline

		Standardization. Ann Intern Med. 2003;139(6):493-498. PMID: 13679327
Anecdotes of suspected drug adverse reactions	PHARMA	Aronson JK. Anecdotes as evidence. BMJ 2003; 326(7403):1346. PMID: 12816800
Adverse event reports		Kelly WN, Arellano FM, Barnes J, Bergman U, Edwards RI, Fernandez AM, et al. Guidelines for submitting adverse event reports for publication. Drug Saf. 2007;30(5):367-73. PMID: 17472416 Pharmacoepidemiol Drug Saf. 2007;16(5):581-587. PMID: 17471601
Adverse event reports – traditional Chinese medicine		Wu T, Shang H, Bian Z, Zhang J, Li T, Li Y, Zhang B. Recommendations for reporting adverse drug reactions and adverse events of traditional Chinese medicine. J Evid Based Med. 2010;3(1):11-17. PMID: 21349035
Good publication practice for pharmaceutical companies		Graf C, Battisti WP, Bridges D, Bruce-Winkler V, Conaty JM, Ellison JM, Field EA, Gurr JA, Marx ME, Patel M, Sanes-Miller C, Yarker YE, and for the International Society for Medical Publication Professionals. Good publication practice for communicating company sponsored medical research: the GPP2 guidelines. BMJ. 2009;339: b4330. PMID: 19946142 GPP2 replace GPP [Wager et al. 2003; PMID: 128147]
Industry-sponsored research: best practices in manuscript preparation and submission		Chipperfield L, Citrome L, Clark J, David FS, Enck R, Evangelista M, Gonzalez J, Groves T, Magrann J, Mansi B, Miller C, Mooney LA, Murphy A, Shelton J, Walson PD, Weigel A. Authors' Submission Toolkit: a practical guide to getting your research published. Curr Med Res Opin. 2010;26(8):1967-1982. PMID: 20569069
Team based learning in medical education		Haidet P, Levine RE, Parmelee DX, Crow S, Kennedy F, Kelly PA, Perkowski L, Michaelsen L, Richards BF. Perspective: Guidelines for reporting team-based learning activities in the medical and health sciences education literature. Acad Med. 2012;87(3):292-299. PMID: 22373620
Evaluation studies in Health Informatics	STARE-HI	Talmon J, Ammenwerth E, Brender J, de Keizer N, Nykanen P, Rigby M. STARE-HI - Statement on reporting of evaluation studies in Health Informatics. Int J Med Inform. 2009;78(1):1-9. PMID: 18930696
	STARE-HI Conference papers	de Keizer NF, Talmon J, Ammenwerth E, Brender J, Rigby M, Nykanen P. Systematic prioritization of the STARE-HI reporting items. An application to short conference papers on health informatics evaluation. Methods Inf Med. 2012;51(2):104-111. PMID: 21373719
Validation studies of health administrative data		Benchimol EI, Manuel DG, To T, Griffiths AM, Rabeneck L, Guttman A. Development and use of reporting guidelines for assessing the quality of validation studies of health administrative data. J Clin Epidemiol. 2011;64(8):821-829. PMID: 21194889
Standardised patient research reports in the medical education literature		Howley L, Szauter K, Perkowski L, Clifton M, McNaughton N. Quality of standardised patient research reports in the medical education literature: review and recommendations. Med Educ. 2008;42(4):350-358. PMID: 18298448
Objective structured		Patricio M, Juliao M, Fareleira F, Young M, Norman G, Vaz CA.

clinical examination		A comprehensive checklist for reporting the use of OSCEs. Med Teach. 2009;31(2):112-124. PMID: 19330670
Participatory action research		Smith L, Rosenzweig L, Schmidt M. Best practices in the reporting of participatory action research: Embracing both the forest and the trees. The Counselling Psychologist. 2010;38(8): 1115-1138.
Patient and public involvement in research		Staniszewska S, Brett J, Mockford C, Barber R. The GRIPP checklist: strengthening the quality of patient and public involvement reporting in research. Int J Technol Assess Health Care. 2011;27(4):391-399. PMID: 22004782
Adjudication committees in clinical trials		Dechartres A, Boutron I, Roy C, Ravaud P. Inadequate planning and reporting of adjudication committees in clinical trials: recommendation proposal. J Clin Epidemiol. 2009;62(7):695-702. PMID: 19135860
Data monitoring committees in paediatric trials		Fernandes RM, van der Lee JH, Offringa M. A systematic review of the reporting of Data Monitoring Committees' roles, interim analysis and early termination in pediatric clinical trials. BMC Pediatr. 2009;9:77. PMID: 20003383

Reporting experimental data

Type of study	Guideline name, acronym, website (if available)	Reference
Reporting data		Hrynaszkiewicz I, Norton ML, Vickers AJ, and Altman DG. Preparing raw clinical data for publication: guidance for journal editors, authors, and peer reviewers. BMJ. 2010;340:c181. PMID: 20110312 Trials. 2010;11:9 PMID: 20113465
Antibody therapy experimental data	GIATE	Yong MY, González-Beltrán A, Begent R. Establishing a knowledge trail from molecular experiments to clinical trials. N Biotechnol. 2011;28(5):464-480. PMID: 21473938

For guidance on reporting data from biological and biomedical experiments see: [BioSharing](#): Centralised online catalogue of [reporting standards](#) for the biosciences domain and [policies for data sharing](#).

The EQUATOR Network website provides a link to the '[Minimum Information for Biological and Biomedical Investigations](#)' (**MIBBI**) website. The MIBBI portal list projects developing 'minimum information checklists' for reporting particular kinds of experimental data in 'omics' (and allied) technologies. The website currently (accessed 13 March 2013) contains guidance for the following types of experiments:

Bioscience projects	
CIMR	C ore I nformation for M etabolomics R eporting
GIATE	G uidelines for I nformation A bout T herapy E xperiments
MIABE	M inimal I nformation A bout a B ioactive E ntity
MIABIE	M inimum I nformation A bout a B iofilm E xperiment
MIACA	M inimal I nformation A bout a C ellular A ssay

MIAME		Minimum Information About a Microarray Experiment
MIAPA		Minimum Information About a Phylogenetic Analysis
MIAPAR		Minimum Information About a Protein Affinity Reagent
MIAPE		Minimum Information About a Proteomics Experiment
MIAPepAE		Minimum Information About a Peptide Array Experiment
MIARE		Minimum Information About a RNAi Experiment
MIASE		Minimum Information About a Simulation Experiment
MIASPPE		Minimum Information About Sample Preparation for a Phosphoproteomics Experiment
MIATA		Minimum Information About T Cell Assays
MICEE		Minimum Information about a Cardiac Electrophysiology Experiment
MIDE		Minimum Information required for a DMET Experiment
MIFlowCyt		Minimum Information for a Flow Cytometry Experiment
MifMRI		Minimum Information about an fMRI Study
MIGen		Minimum Information about a Genotyping Experiment
MIIDI		Minimal Information standard for reporting an Infectious Disease Investigation
MIMix		Minimum Information about a Molecular Interaction Experiment
MIMPP		Minimal Information for Mouse Phenotyping Procedures
MINEMO		Minimal Information for Neural ElectroMagnetic Ontologies
MINI		Minimum Information about a Neuroscience Investigation
MINIMESS		Minimal Metagenome Sequence Analysis Standard
MINSEQE		Minimum Information about a high-throughput Sequencing Experiment
MIPFE		Minimal Information for Protein Functional Evaluation
MIQAS		Minimal Information for QTLs and Association Studies
MIQE		Minimum Information for Publication of Quantitative Real-Time PCR Experiments
MIRIAM		Minimal Information Required In the Annotation of biochemical Models
MISFISHIE		Minimum Information Specification For In Situ Hybridization and Immunohistochemistry Experiments
MIXS	MIGS/MIMS	Minimum Information about a Genomic/Metagenomic Sequence
	MIMARKS	Minimum Information about a MARKer gene Sequence
STRENDATA		Standards for Reporting Enzymology Data
TBC		Tox Biology Checklist
Bioinformatics service projects registered with MIBBI		
AMIS		Article Minimum Information Standard
BioDBCore		Core Attributes of Biological Databases

Statistical methods and analyses

Type of study	Guideline name,	Reference
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	acronym, website (if available)	
Statistical analyses and methods	SAMPL	<p>T. A. Lang and D.G. Altman. Basic Statistical Reporting for Articles Published in Biomedical Journals: The "Statistical Analyses and Methods in the Published Literature" or The SAMPL Guidelines" in: Smart P, Maisonneuve H, Polderman A (eds). Science Editors' Handbook, European Association of Science Editors, 2013.</p> <p>The full text can be downloaded freely from: SAMPL Guidelines</p> <p>These guidelines will also appear in "Guidelines for reporting health research: A user's manual," which will be released in early September 2013.</p>
Bayesian analyses of health care evaluations	BayesWatch	Spiegelhalter DJ, Myles JP, Jones DR, Abrams KR. Bayesian methods in health technology assessment: a review. Health Technol Assess. 2000;4(38):1-130.
Bayesian analysis in clinical studies	ROBUST	Sung L, Hayden J, Greenberg ML, Koren G, Feldman BM, Tomlinson GA. Seven items were identified for inclusion when reporting a Bayesian analysis of a clinical study. J Clin Epidemiol. 2005;58(3):261-268. PMID: 15718115
Subgroup analysis in trials		Wang R, Lagakos SW, Ware JH, Hunter DJ, Drazen JM. Statistics in medicine--reporting of subgroup analyses in clinical trials. N Engl J Med. 2007;357(21):2189-2194. PMID: 18032770
Heterogeneity in treatment effects in clinical trials		Kent DM, Rothwell PM, Ioannidis JP, Altman DG, Hayward RA. Assessing and reporting heterogeneity in treatment effects in clinical trials: a proposal. Trials. 2010;11:85. PMID: 20704705
Missing data in epidemiological and clinical research		Sterne JA, White IR, Carlin JB, Spratt M, Royston P, Kenward MG, et al. Multiple imputation for missing data in epidemiological and clinical research: potential and pitfalls. BMJ. 2009;338:b2393. PMID: 19564179
Multilevel modelling		Jackson DL. Reporting results of latent growth modeling and multilevel modeling analyses: some recommendations for rehabilitation psychology. Rehabil Psychol. 2010;55(3):272-285. PMID: 20804271
Multivariable logistic regression in transplantation		Kalil AC, Mattei J, Florescu DF, Sun J, Kalil RS. Recommendations for the assessment and reporting of multivariable logistic regression in transplantation literature. Am J Transplant. 2010;10(7):1686-1894. PMID: 20642690
Statistical results in case-controls design in neuropsychology		Crawford JR, Garthwaite PH, Porter S. Point and interval estimates of effect sizes for the case-controls design in neuropsychology: rationale, methods, implementations, and proposed reporting standards. Cogn Neuropsychol. 2010;27(3):245-260. PMID: 20936548

Guidance for reporting specific sections of research reports

Type of study	Guideline name, acronym, website (if available)	Reference

Literature searches	STARLITE	Booth A. "Brimful of STARLITE": toward standards for reporting literature searches. J Med Libr Assoc. 2006;94(4):421-429, e205. PMID: 17082834
Information retrieval processes		Niederstadt C, Droste S. Reporting and presenting information retrieval processes: the need for optimizing common practice in health technology assessment. Int J Technol Assess Health Care. 2010;26(4):450-457. PMID: 20942989
Figures, Graphs		Pocock SJ, Trivison TG, Wruck LM. Figures in clinical trial reports: current practice & scope for improvement. Trials. 2007;8:36. PMID: 18021449
		Puhan MA, ter Riet G, Eichler K, Steurer J, Bachmann LM. More medical journals should inform their contributors about three key principles of graph construction. J Clin Epidemiol. 2006;59(10):1017-1022. PMID: 16980140
Selection and presentation / reporting of images		Siontis GC, Patsopoulos NA, Vlahos AP, Ioannidis JP. Selection and presentation of imaging figures in the medical literature. PLoS One. 2010;5(5):e10888. PMID: 20526360
Documenting clinical and laboratory images	CLIP Principles	Lang TA, Talerico C, Siontis GCM. Documenting Clinical and Laboratory Images in Publications: The CLIP Principles. Chest. 2012;141(6):1626-1632. PMID: 22670027 Link to abstract
Discussion		Docherty M, Smith R. The case for structuring the discussion of scientific papers. BMJ. 1999;318(7193):1224-1225. PMID: 10231230
Narrative sections of study reports		Schriger DL. Suggestions for improving the reporting of clinical research: the role of narrative. Ann Emerg Med. 2005; 45(4):437-443. PMID: 15795727
Research recommendations		Brown P, Brunnhuber K, Chalkidou K, Chalmers I, Clarke M, Fenton M, Forbes C, Glanville J, Hicks NJ, Moody J, Twaddle S, Timimi H, Young P. How to formulate research recommendations. BMJ. 2006;333(7572):804-806. PMID: 17038740
Acknowledgement of funders (UK)		Research Information Network. Acknowledgement of Funders in Scholarly Journal Articles. Guidance for UK Research Funders, Authors and Publishers. RIN 2008. http://www.rin.ac.uk/
Conflict of interest		ICMJE: Uniform Format for Disclosure of Competing Interests in ICMJE Journals. Updated July 2010 Editorial: http://www.icmje.org/updated_coi.pdf Disclosure form: http://www.icmje.org/coi_disclosure.pdf WAME Conflict of Interest Policy Statement. March 2009 http://www.wame.org/conflict-of-interest-in-peer-reviewed-medical-journals Rothman DJ, McDonald WJ, Berkowitz CD, Chimonas SC, DeAngelis CD, Hale RW, et al. Professional medical associations and their relationships with industry: a proposal for controlling conflict of interest. JAMA. 2009;301(13):1367-1372. PMID: 19336712 Paula A Rochon, John Hoey, An-Wen Chan, Lorraine E Ferris,

		Joel Lexchin, Sunila R Kalkar, Melanie Sekeres, Wei Wu, Marleen Van Laethem, Andrea Gruneir, M James Maskalyk, David L Streiner, Jennifer Gold, Nathan Taback, David Moher. Financial Conflicts of Interest Checklist 2010 for Clinical Research Studies. Open Medicine, North America, 4, mar. 2010. Available at: http://www.openmedicine.ca/article/view/356 Date accessed: 24 Mar. 2010.
RCT journal and conference abstracts	CONSORT for Abstracts	Hopewell S, Clarke M, Moher D, Wager E, Middleton P, Altman DG, Schulz KF and the CONSORT Group. CONSORT for reporting randomised trials in journal and conference abstracts. Lancet. 2008;371(9609):281-283. PMID: 18221781 Link to full text pdf Hopewell S, Clarke M, Moher D, Wager E, Middleton P, Altman DG, Schulz KF and the CONSORT Group. CONSORT for reporting randomized controlled trials in journal and conference abstracts: explanation and elaboration. PLoS Med. 2008;5(1): e20. PMID: 18215107 Link to full text pdf
Conference abstracts for observational studies	STROBE checklist for conference abstracts	First draft of the STROBE checklist of items to be included when reporting observational studies in conference abstracts. Link to full text pdf

Reporting guidelines for specific conditions or procedures

Type of study	Guideline name, acronym, website (if available)	Reference
Actigraphy		Berger AM, Wielgus KK, Young-McCaughan S, Fischer P, Farr L, Lee KA. Methodological challenges when using actigraphy in research. J Pain Symptom Manage. 2008;36(2):191-199. PMID: 18400460
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Prognostic signature studies – non-small cell lung cancer		Subramanian J, Simon R. Gene expression-based prognostic signatures in lung cancer: ready for clinical use? J Natl Cancer Inst. 2010;102(7):464-474. PMID: 20233996

Guidance developed by editorial groups

The following guidelines relating to publications of health research were developed by influential editorial groups:

Editorial group	Website	Reference
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International Committee of Medical Journal Editors (ICMJE)	http://www.icmje.org/	Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication. (Updated October 2008)
World Association of Medical Editors (WAME)	http://www.wame.org/resources	Resources, Policy Statements
Council of Science Editors (CSE)	http://www.councilscienceeditors.org/i4a/pages/index.cfm?pageid=3313	CSE's White Paper on Promoting Integrity in Scientific Journal Publications
The American Psychological Association (APA) Working Group on Journal Article Reporting Standards (JARS Group)	http://www.apa.org/journals/authors/jars.pdf	Reporting Standards for Research in Psychology: Why Do We Need Them? What Might They Be? American Psychologist 2008 Vol. 63, No. 9, 839–851
Forum for African Medical Editors (FAME)	http://whqlibdoc.who.int/hq/2004/DR_RCS_FAME_04.2.pdf	FAME editorial guidelines
Eastern Mediterranean Association of Medical Editors (EMAME)	http://www.emro.who.int/emame/index.htm	Manual for editors of health science journals
Committee on Publication Ethics (COPE)	http://publicationethics.org/files/Code_of_conduct_for_journal_editors.pdf	Code of Conduct
Committee on Publication Ethics (COPE)	http://publicationethics.org/	Wager E, Barbour V, Yentis S, Kleinert S. Retractions: guidance from the Committee on Publication Ethics. J Crit Care. 2009;24(4):620-622. PMID: 19931155
European Association of Science Editors (EASE)	http://www.ease.org.uk/publications/author-guidelines	EASE Guidelines for Authors and Translators of Scientific Articles to be Published in English (Updated June 2012)

Industry sponsored research - additional guidance

Type of study	Guideline name, acronym, website (if available)	Reference
		<p>Gotzsche PC, Kassirer JP, Woolley KL, Wager E, Jacobs A, et al. What Should Be Done To Tackle Ghostwriting in the Medical Literature? PLoS Med 2009;6(2): e1000023. doi:10.1371/journal.pmed.1000023</p> <p>Contains a checklist for authors using medical writers: checklist</p>
Good publication practice for pharmaceutical companies		Graf C, Battisti WP, Bridges D, Bruce-Winkler V, Conaty JM, Ellison JM, Field EA, Gurr JA, Marx ME, Patel M, Sanes-Miller C, Yarker YE, and for the International Society for Medical Publication Professionals. Good publication practice for communicating company

		sponsored medical research: the GPP2 guidelines. BMJ. 2009;339: b4330. PMID: 19946142 GPP2 replace GPP [Wager et al. 2003; PMID: 128147]
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Authors' submission toolkit		A resource guide to best practices in the preparation and submission of manuscripts describing industry-sponsored research prepared by the Medical Publishing Insights and Practices Initiative (MPIP).
Authors' submission toolkit		Chipperfield L et al. Authors' submission toolkit: A practical guide to getting your research published. CMRO. 2010;26(8):1967-1982. PMID: 20569069
Guidance developed by professional organisations		American Medical Writers Association: guidance
Guidance developed by professional organisations		European Medical Writers Association: guidance
Guidance developed by professional organisations		International Society for Medical Publication Professionals (ISMPP): guidance

Reporting guidelines in other research fields

The EQUATOR Steering Group has broadened the remit of reporting guidelines included on our website and created a special page for reporting guidelines from other research fields.

The EQUATOR team does not have capacity nor expertise for comprehensive searches of literature from all research fields and this additional special page will not represent a comprehensive collection of all available guidelines as we try to achieve with the guidelines closely relating to the reporting health research.

Type of study	Guideline name, acronym, website (if available)	Reference
Randomized controlled trials for livestock and food safety	REFLECT	O'Connor AM, Sargeant JM, Gardner IA, Dickson JS, Torrence ME, Dewey CE, et al. The REFLECT Statement: Methods and Processes of Creating Reporting Guidelines for Randomized Controlled Trials for Livestock and Food Safety by Modifying the CONSORT Statement. Zoonoses Public Health. 2010;57(2):95-104. PMID: 20070653 Sargeant JM, O'Connor AM, Gardner IA, Dickson JS, Torrence ME, Dohoo IR, et al. The REFLECT Statement: Reporting Guidelines for Randomized Controlled Trials in Livestock and Food Safety: Explanation and Elaboration. Zoonoses Public Health. 2010;57(2):105-36. PMID: 20070652

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Animal research studies	GSPC	Hooijmans CR, Leenaars M, Ritskes-Hoitinga M. A gold standard publication checklist to improve the quality of animal studies, to fully integrate the Three Rs, and to make systematic reviews more feasible. Altern Lab Anim. 2010;38(2):167-182. PMID: 20507187
Diagnostic test accuracy studies for paratuberculosis in ruminants		Gardner IA, Nielsen SS, Whittington RJ, Collins MT, Bakker D, Harris B, Sreevatsan S, Lombard JE, Sweeney R, Smith DR, Gavalchin J, Eda S. Consensus-based reporting standards for diagnostic test accuracy studies for paratuberculosis in ruminants. Prev Vet Med. 2011;101(1-2):18-34. PMID: 21601933
Animal stroke modelling		Macleod MR, Fisher M, O'Collins V, Sena ES, Dirnagl U, Bath PM, et al. Good laboratory practice: preventing introduction of bias at the bench. Stroke. 2009;40(3):e50-e52. PMID: 18703798
Animal stroke modelling (preclinical testing)		Fisher M, Feuerstein G, Howells DW, Hurn PD, Kent TA, Savitz SI et al.: Update of the stroke therapy academic industry roundtable preclinical recommendations. Stroke. 2009;40(6):2244-2250. PMID: 19246690
Prognostic studies in veterinary oncology		Webster JD, Dennis MM, Dervisis N, Heller J, Bacon NJ, Bergman PJ, et al. Recommended Guidelines for the Conduct and Evaluation of Prognostic Studies in Veterinary Oncology. Vet Pathol. 2011;48(1):7-18. PMID: 20664014
Clinical orthopaedic studies in veterinary medicine		Cook JL, Evans R, Conzemius MG, Lascelles BD, McIlwraith CW, Pozzi A, Clegg P, Innes J, Schulz K, Houlton J, Fortier L, Cross AR, Hayashi K, Kapatkin A, Brown DC, Stewart A. Proposed definitions and criteria for reporting time frame, outcome, and complications for clinical orthopedic studies in veterinary medicine. Vet Surg. 2010;39(8):905-908. PMID: 21133952
Forensic genetics		Parson W, Roewer L. Publication of population data of linearly inherited DNA markers in the International Journal of Legal Medicine. Int J Legal Med. 2010;124(5):505-509. PMID: 20652581
		Carracedo A, Butler JM, Gusmão L, Parson W, Roewer L, Schneider PM. Publication of population data for forensic purposes. Forensic Sci Int Genet. 2010;4(3):145-147. PMID: 20215025

Editorials:

Erb HN. Changing expectations: Do journals drive methodological changes? Should they? Prev Vet Med. 2010;97(3-4):165-174. PMID: [20951447](#)

Other resources:

Collaborative Approach to Meta Analysis and Review of Animal Data from Experimental Studies ([CAMARADES](#))

[International Association of Veterinary Editors](#) - resources, training and guidance for authors and editors in veterinary field (including [Writing for Publication in Veterinary Medicine](#). A Practical Guide for Researchers and Clinicians (2011) by Mary Christopher and Karen Young)

Limitations of the EQUATOR reporting guideline collection

Although we run regular comprehensive searches across the main databases indexing health-related literature it is possible we missed some published guidelines. This might have happened particularly in the case of reporting guidelines for specific diseases or conditions.

There are also guidelines being developed with the aim of standardising terminology in health research reporting. These are not currently comprehensively included on the EQUATOR website but we are planning to put more emphasis on identification of those guidelines and add them to the EQUATOR Library in the future.

We would like to acknowledge the support of many journals who agreed to publish some reporting guidelines as identical multiple publications, which requires a great effort and collaboration, to support wider dissemination of the guidelines. These guidelines include CONSORT, STRICTA, ORION, STROBE, STREGA, REMARK, STARD, PRISMA, SQUIRE, and some of the guidelines for specific conditions. Currently, the EQUATOR website lists only references to journals that published the guideline first (not later republications). The EQUATOR Network and guideline groups greatly appreciate journals' support and want to encourage multiple publications of new guidelines in the future.