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Data resource profile

Data Resource Profile: Countdown to 2015: Maternal, Newborn and Child Survival

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Abstract

The Countdown to 2015 country profiles present, in one place, comprehensive evidence to enable an assessment of a country's progress in improving reproductive, maternal, newborn and child health. Profiles are available for each of the 75 countries that together account for more than 95% of all maternal and child deaths. The two-page profiles are updated approximately every 2 years with new data and analyses. Profile data include demographics, mortality, nutritional status, coverage of evidence-based interventions, within-countries inequalities in coverage, measures of health system functionality, supportive policies and financing indicators. The main sources of data for the coverage, nutritional status and equity indicators are the US Agency for Internal Development (USAID)-supported demographic and health surveys and the United Nations Children's Fund (UNICEF)-supported multiple indicator cluster surveys. Data on coverage are first summarized and checked for guality by UNICEF, and data on equity in intervention coverage are summarized and checked by the Federal University of Pelotas. The mortality estimates are developed by the Inter-agency Group for Child Mortality Estimation and the Maternal Mortality Estimation Inter-Agency Group. The financing data are abstracted from datasets maintained by the Organization for Economic Co-operation and Development Assistance Committee, and the policies and health systems data are derived from a special compilation prepared by the World Health Organization. Associated country profiles include equity-specific profiles and one-page profiles prepared annually that report on the 11 indicators selected by the Commission on Information and Accountability for Women's and Children's Health.

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Key Messages

- Decision makers can use the profiles to review available evidence and determine if trends in mortality and coverage are moving in the right direction, and to identify opportunities to address coverage gaps and accelerate progress in women's and children's health.
- Countdown databases can be used to document trends in coverage and to examine potential coverage determinants such as population characteristics, patterns of equity, financial flows and health policy adoption.
- All Countdown profiles are available at [www.countdown2015mnch.org/country-profiles]. The datasets used to prepare the latest versions of the profiles are publically available in Excel format at [www.countdown2015mnch.org/ about-countdown/countdown-data]. The Excel files include the following information for each indicator tracked by Countdown: indicator definition, and estimate, data source and year for each Countdown country with available data.
- Countdown has produced regular reports, a series of articles in the *Lancet*, and short briefs to disseminate Countdown findings to a wide range of audiences including policy makers, the scientific community, donors and advocates.
- Countdown has launched its findings through major international conferences in 2005, 2008, 2010, 2012 and 2013, and has engaged with the Inter-Parliamentary Union to promote the use of evidence for holding governments and their partners to account for progress.

Data resource basics

Countdown to 2015 for Maternal, Newborn and Child Survival (Countdown) is a global movement to track, stimulate and support country progress on achieving the health-related Millennium Development Goals (MDGs), particularly goals 4 (reduce child mortality) and 5 (improve maternal health). Countdown was established in 2003 by the Bellagio Study Group on Child Survival¹ and includes academics, governments, international agencies, professional associations, donors, non-governmental organizations and other members of civil society who share the common goal of increasing accountability for women's and children's health. Initially focused on child survival, Countdown expanded its mandate in 2007 to encompass the full reproductive, maternal, newborn and child health continuum of care (RMNCH). The countries included in Countdown analyses have increased from 60 in its first report in 2005 to a total of 75 countries in the fourth report in 2012. Together these 75 countries account for more than 95% of the world's maternal, newborn and child deaths. A full list of Countdown countries is available at [http://www.count down2015mnch.org/country-profiles].

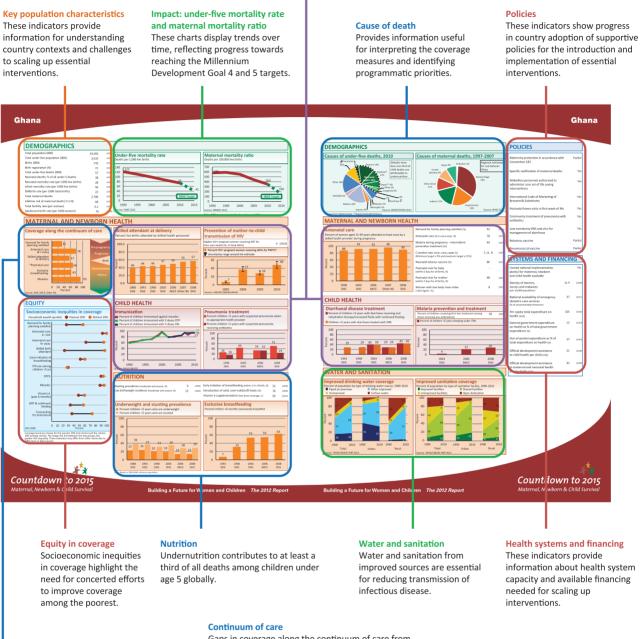
Countdown produces periodic publications, reports and other materials on key aspects of RMNCH, achieving global impact with its use of data to hold all stakeholders to account for global and national action. Countdown is playing a central role in the follow-up to the United Nation's Secretary General's Global Strategy for Women's and Children's Health by updating the 11 indicators selected by the Commission on Information and Accountability for Women's and Children's Health (Commission) annually, and by undertaking a series of in-depth country case study analyses.²

At the core of Countdown reports are country profiles that present, in one place, the latest evidence to assess country progress in improving RMNCH. The two-page country profiles (Figure 1) are updated approximately every 2 years and include key demographic, nutritional status and mortality statistics, coverage levels and trends of proven RMNCH interventions, and policy, health system, financial and equity indicators.

Enhancing country capacity to monitor and evaluate results is a key Countdown principle and central to the accountability agenda. The Countdown profiles reflect the estimates available for each country, and can be used to review available data and identify areas where progress must be accelerated.

Figure 2 presents the overarching framework guiding Countdown analyses and the basic structure of the Countdown database. It shows the range of indicators included in the coverage, policies and systems, and financing datasets, and illustrates possible pathways through which policy, systems and financing measures in a given context impact on levels and trends in coverage of proven RMNCH interventions.

All data used to construct the 2012 and 2013 Countdown country profiles are available to the public, free of charge. The datasets used to construct the 2012 two-page profiles and to prepare the summary measures in the 2013 Countdown Accountability report are available in Excel format at [www.countdown2015mnch.org/aboutcountdown/countdown-data]. The Countdown profiles, reports and datasets present point estimates and do not provide uncertainty ranges. The equity analyses, however, systematically provide uncertainty bounds for all estimates; these are available upon request from the equity technical working group. The coverage Excel files were prepared by the Countdown coverage technical working group and are maintained by Johns Hopkins University. The information Intervention coverage These charts show most recent coverage levels and trends for selected reproductive, maternal, newborn and child health interventions.



Gaps in coverage along the continuum of care from pre-pregnancy and childbirth through childhood up to age 5 should serve as a call to action for a country to prioritize these interventions.

Figure 1. Countdown to 2015. Sample 2-page country profile.

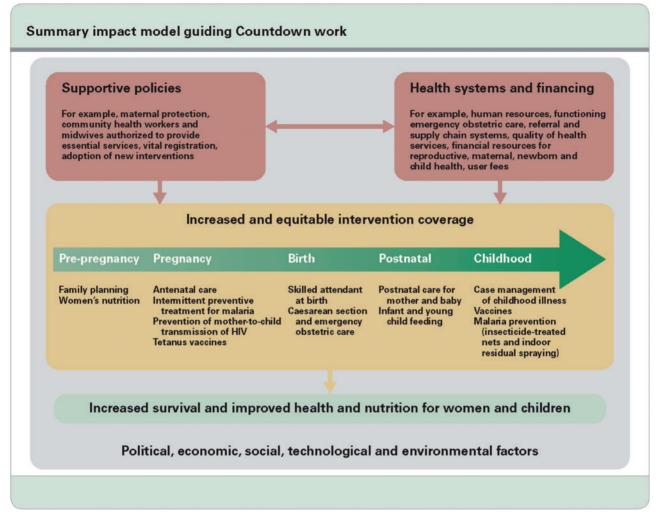


Figure 2. Impact model used by Countdown to 2015 for its analyses.

presented for each coverage indicator includes the indicator definition, and the estimate, data source and year by Countdown country. The data for the coverage indicators, publicly available and continuously updated by UNICEF at [www.childinfo.org], come mostly from household surveys. The two main surveys used to collect nationally representative data for reproductive, maternal, newborn and child health in the 75 Countdown (Figure 3) countries are the USAID-supported demographic and health surveys (DHS) [www.measuredhs.com] and the UNICEF-supported multiple indicator cluster surveys (MICS) [www.childinfo. org/mics_available.html]. A data resource profile describing the global databases (coverage, vital statistics, demographic and nutritional status measures, etc.) maintained by UNICEF was published in 2012 in this journal.³

These two surveys also provide the estimates used for the Countdown equity analyses and include coverage by household wealth quintile, urban-rural residence, child sex, maternal educational attainment and region of the country. Detailed equity profiles for 2010 and 2012 are available at the Countdown website, [www.countdown2015mnch. org/country-profiles], for Countdown countries that had at least one DHS or MICS survey with information on wealth status. The equity database is prepared by the Countdown equity technical working group and maintained by the International Center for Equity in Health [www.equidade. org] based at the Federal University of Pelotas, Brazil. The equity-specific profiles are derived from re-analyses of data from MICS and DHS surveys using standardized definitions of equity stratifiers and outcomes. Each equity profile includes a table and four figures.

The financing database is prepared by the Countdown financing technical working group and maintained by the London School of Hygiene and Tropical Medicine. It includes the definition and source for each indicator, and the indicator estimate by year per Countdown country. The data source for the financing indicators included on the Countdown country profiles is the Organization for

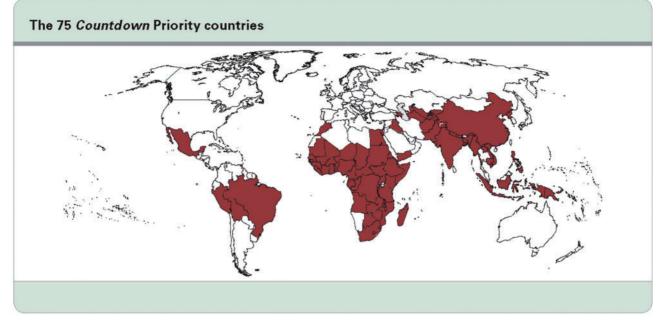


Figure 3. Map of the Countdown to 2015 priority countries.

Economic Co-operation and Development, Development Assistance Committee. [http://www.oecd.org/dac/].

The health systems and policies database is prepared by the Countdown health systems and policies technical working group and maintained by the World Health Organization. There are four main sources of data for the health systems and policies indicators: global databases maintained by the World Health Organization and other groups such as the International Labour Organization; routine monitoring data from United Nations organizations; national service delivery surveys (for emergency obstetric care data); and surveys administered to government authorities by the World Health Organization. Survey responses are validated by United Nations agencies at the country level and compiled by the World Health Organization.

Data resource area and population coverage

The Countdown countries were selected primarily according to mortality burden, taking into consideration both numbers and rates of deaths. Country selection has taken place in three phases. In 2004, when the initiative was focused on child survival, the list included all countries with at least 50 000 child deaths and all countries with an under-five mortality rate of at least 90 deaths per 1000 live births. The 60 total countries accounted for 94% of all child deaths in that year. The list was expanded in 2007, when the initiative evolved to embrace the continuum of care and to also include countries with the highest maternal mortality ratios (countries with an MMR of at least 550 deaths per 100 000 live births) or highest numbers of maternal deaths (countries with at least 750 maternal deaths and an MMR of more than 200). This exercise resulted in the inclusion of eight additional countries, to a total of 68. These 68 countries accounted for 95% of all maternal, newborn and child deaths. In 2011, Countdown agreed to take responsibility for major parts of the follow-up agenda of the Commission for Information and Accountability for Women's and Children's Health, which resulted in the final expansion of the country list to 75. The 75 countries include all high-burden countries and the 49 low-income countries discussed in the Global Strategy for Women's and Children's Health.

Survey frequency

Each country profile includes all available data that meet quality standards for every indicator tracked in Countdown. The profiles show that data availability varies widely by indicator and across the Countdown countries. For some indicators, data are available extending back to 1990, the baseline year for MDG tracking, or earlier (e.g. mortality, immunization indicators, nutritional status indicators, some coverage measures). Data are not available for other indicators until the 2000s, reflecting the more recent introduction of interventions at scale across the priority countries and the inclusion of coverage indicators into household survey protocols (e.g. prevention of mother-to-child transmission of HIV, insecticide-treated bed nets). Profiles showing missing values and most recent estimates using data that are more than 5 years old indicate an urgent need for increased data collection efforts so that timely evidence can be used for policy and programme development and monitoring.

Countdown anticipates that all 75 countries will have a major household survey between 2013 and the end of 2015 so that results are ready for reporting on progress for the 2015 MDG deadline. A high-level Summit is planned for September 2015 to adopt a new set of goals that build on the achievements of the MDGs.

Measures

Countdown focuses on coverage. Countdown's most important criterion for including a coverage indicator in its databases is the availability of peer-reviewed evidence of effectiveness of the associated intervention in reducing maternal, newborn or child mortality. Countdown tracks indicators of coverage for proven interventions that are judged feasible for delivery at high and sustained coverage levels in low-income countries. Other criteria are that the indicator must produce results that are nationally representative, reliable and comparable across countries and time, clear and easily interpreted by policy makers and programme managers and available regularly in most of the Countdown countries. Although Countdown strives to limit the total number of indicators tracked to keep the effort focused, the set of Countdown coverage indicators includes representation across the major dimensions of the RMNCH continuum of care (e.g. family planning, antenatal, perinatal and postnatal care, infant feeding, prevention and case management of major childhood illnesses).

Table 1. Countdown indicator list as of 20	Table '	1.	Countdown	indicator	list as	of 201	13
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These indicators are meant to serve as signals that can trigger the need for further investigation and should be interpreted in the context of more comprehensive information.³

Because intervention costs, delivery strategies and the evidence base can change, Countdown undertakes a rigorous technical review process at regular intervals to reassess the criteria for indicator selection and the full indicator list. This iterative process enables Countdown to be responsive to the evidence base. The policies, systems and financing indicators are also reviewed to ensure that they are the most relevant indicators to track as key determinants of coverage. Table 1 shows the set of indicators monitored by Countdown as of 2013, organized by topic area. The 11 core Commission indicators are highlighted (note: 13 indicators are highlighted because 2 of the 11 core Commission indicators include 2 component parts, the postnatal care and HIV indicators). Countdown reports include a set of annexes describing the indicator definitions, data sources and other information on methods used in Countdown analyses.

Data resource use

Countdown launched its fourth report, *Building a Future* for Women and Children, in June 2012 at the Child Survival Call to Action, Washington DC. The report includes profiles for each of the 75 countries as well as a summary of progress across the 75 countries towards the achievement of MDGs 4 and 5. Report analyses address trends in mortality and coverage, patterns of equity,

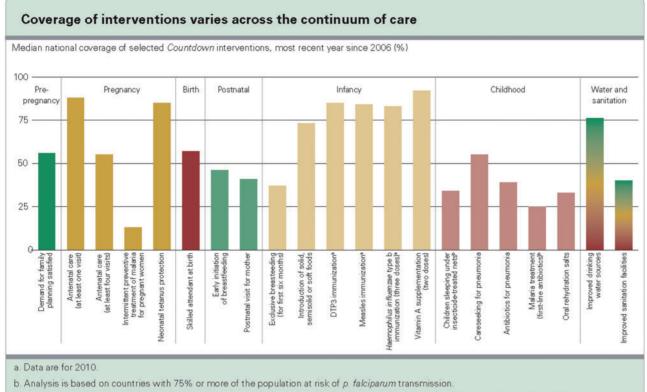
Domain	Indicator	Location
Demographics	Total population	Profile
	Total under-five population	Profile
	Total births	Profile
	Birth registration	Profile
	Total fertility rate	Profile
	Adolescent birth rate	Profile
Child mortality	Total deaths among children under age 5 years	Profile
	Neonatal deaths	Profile
	Neonatal mortality rate	Profile
	Infant mortality rate	Profile
	Under-five mortality rate, with the proportion of newborn deaths ^a	Profile
	Cause of death of children under age 5 years	Profile
Maternal mortality	Total maternal deaths	Profile
	Lifetime risk of maternal death	Profile
	Maternal mortality ratio (adjusted) ^a	Profile
	Maternal deaths by cause (regional)	Profile

(Continued)

Table 1. Continued

Domain	Indicator	Location
Maternal and newborn health	Skilled attendant at birth ^a	Profile
	HIV-positive pregnant women receiving antiretrovirals for their own health ^a	Profile
	HIV-positive pregnant women receiving antiretrovirals for prevention of mother-to-child transmission of HIV ^a	Profile
	Demand for family planning satisfied ^a	Profile
	Contraceptive prevalence rate	Web anne
	Unmet need for family planning	Web anne
	Antenatal care (at least one visit)	Profile
	Antenatal care (four or more visits) ^a	Profile
	Intermittent preventive treatment of malaria during pregnancy	Profile
	Caesarean section rate	Profile
	Neonatal tetanus protection	Profile
	Postnatal care for mother ^a	Profile
	Postnatal care for baby ^a	Profile
	Women with low body mass index	Profile
Child health	Measles immunization coverage	Profile
	Three doses of combined diphtheria/tetanus/pertussis vaccine immunization coverage (DTP3) ^a	Profile
	Three doses of Haemophilus influenzae type B (Hib3) immunization coverage	Profile
	Care-seeking for pneumonia	Profile
	Antibiotic treatment for pneumonia ^a	Profile
	Oral rehydration therapy and continued feeding	Profile
	Oral rehydration salts	Profile
	Antimalarial treatment, first -ine	Profile
	Children under age 5 years sleeping under insecticide-treated nets	Profile
Nutrition	Underweight prevalence	Profile
	Stunting prevalence ^a	Profile
	Wasting prevalence	Profile
	Early initiation of breastfeeding	Profile
	Exclusive breastfeeding rate (for first 6 months of life) ^a	Profile
	Introduction of solid, semi-solid and soft foods	Profile
	Low birthweight incidence	Profile
	Vitamin A supplementation (two doses)	Profile
Water and s anitation	Use of improved drinking water sources	Profile
	Use of improved sanitation facilities	Profile
Policies	Maternity protection in accordance with Convention 183	Profile
	Specific notification of maternal deaths	Profile
	Midwifery personnel authorized to administer core set of life-saving interventions	Profile
	International Code of Marketing of Breast Milk Substitutes	Profile
	Postnatal home visits in first week of life	Profile
	Community treatment of pneumonia with antibiotics	Profile
	Low osmolarity oral rehydration salts and zinc for management of diarrhoea	Profile
	Rotavirus vaccine Pneumococcal vaccine	Profile Profile
Systems and financing	Costed national implementation plan for maternal, newborn and child health available	Profile Profile
	Density of doctors, nurses and midwives	Profile Profile
	National availability of emergency obstetric care services	Profile Profile
	Per capita total expenditure on health General government expenditure on health as percentage of total government expenditure	Profile
	General government expenditure on health as percentage of total government expenditure Out-of-pocket expenditure as a share of total expenditure on health	Profile
	Official development assistance to child health per child	Profile
	Official development assistance to entire nearth per child	Profile

^aCore Commission on Information and Accountability for Women's and Children's Health indicator.



Source: Immunization rates, WHO and UNICEF; postnatal visit for mother, Saving Newborn Lives analysis of Demographic and Health Surveys;

improved water and sanitation, WHO and UNICEF Joint Monitoring Programme 2012; all other indicators, UNICEF global databases, April 2012, based on Demographic and Health Surveys, Multiple Indicator Cluster Surveys and other national surveys.



supportive policy adoption, improvements in health system capacity to deliver needed services, and trends in financial flows for maternal, newborn and child health programmes. The data in the report have been used to develop advocacy materials for subsequent high-level events, such as the distribution of a flyer focused on Africa and the malaria indicators tracked in Countdown to ministries of health at the African Union Summit in Addis Ababa, Ethiopia, in July 2012. Policy makers and their international partners are being encouraged to use the 2012 profiles and one-page 2013 profiles showcasing the 11 core Commission indicators as an evidence-based tool for decision making about programme and policy development and implementation. Countdown is increasing its efforts to support in-depth analyses at country level and country-level Countdown processes based on subnational profiles used to stimulate political commitment and strengthen the use of evidence for strategic planning. Countdown regularly prepares papers for publication in peer-reviewed journals that are either cross-cutting or focused on one of the four technical areas (coverage, equity, health systems and policies,

financing). The next Countdown report is expected to be launched in June 2014.

Figure 4 shows an example of Countdown's signature continuum of care graph presented in each major report. It presents median coverage levels and the range in coverage across the 75 countries with available data for each of the Countdown coverage indicators. Figure 5 is an example of key equity findings prepared for Countdown reports, drawing attention to the wide variations in coverage levels within countries and how equity patterns differ by intervention (both figures are from the 2012 Countdown report).

A citation list is available in Table 2, highlighting all reports, briefs and articles prepared by the Countdown technical working groups and the broader membership base since 2005.

Strengths and weaknesses

The indicators tracked in Countdown are selected through a consultative technical review process, and

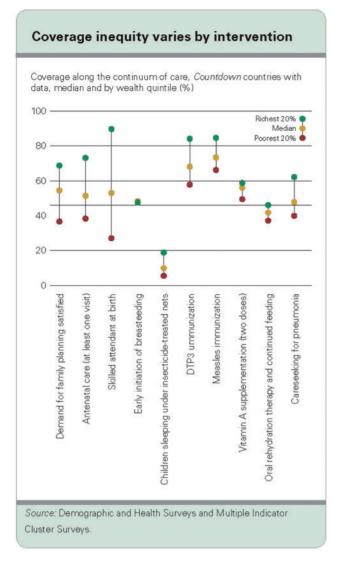


Figure 5. Inequity in coverage by intervention.

data quality is a major focus of Countdown work. Countdown links with existing quality review and improvement mechanisms to ensure data validity and highlight data gaps and other methodological challenges with Countdown indicators (e.g. changes in definitions of indicators over time which limit the ability to measure trends). The Countdown coverage technical working group, for example, worked closely with the Child Health Epidemiology Reference Group on the preparation of a collection of articles on improving coverage measurement, published in *PLOS Medicine*, see [http:// www.ploscollections.org/article/browse/issue/info%3 Adoi%2F10.1371%2Fissue.pcol.v01.i16].

Two areas of Countdown technical work moving forward are to develop and incorporate standard procedures for estimating uncertainty and quality of care measures. Countdown recognizes that increases in intervention coverage will result in mortality reductions only if interventions are delivered at adequate levels of quality, and that monitoring service quality is an essential aspect of programme management. Quality of care indicators planned for inclusion in future Countdown cycles will include measures that capture health service readiness, audits, interventions actually received during service contacts and others as appropriate.

Countdown anticipates continuing its role in promoting accountability for women's and children's health after 2015. The launch of the 2014 report in June will provide an opportunity to reassess the Countdown indicator list in view of the report findings and the post-2015 discussions.

Data resource access

All Countdown reports, articles, advocacy briefs, two-page country profiles, Commission-specific one-page country profiles and equity country profiles are available at [www.countdown2015mnch.org]. The Countdown 2012 profile database and the 2013 Countdown coverage and equity databases in Excel format are also available for download at the Countdown website [www.count down2015mnch.org/about-countdown/countdown-data]. The most updated data for Countdown coverage indicators are available at [www.childinfo.org].

Queries made through the Countdown website are triaged by the Countdown Secretariat hosted by the Partnership for Maternal, Newborn & Child Health, circulated to the most appropriate technical working group and responded to in a timely manner. The uncertainty bounds for the estimates prepared by the Countdown equity technical working group are available upon request by contacting Dr Aluisio Barros at [abarros@equidade.org].

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Conflict of interest: None declared.

Publication type	Citation		
Full reports	 Countdown 2012 report: Building a future for women and children Countdown to 2015 decade report (2000–10) Tracking progress in maternal, newborn and child survival: the 2008 report Tracking Progress in child survival: the 2005 report 		
Short reports	 Accountability for maternal, newborn and child survival: the 2013 update Accountability for maternal, newborn and child survival: an update on progress in priority countries (2012) Monitoring maternal, newborn and child health: understanding key progress indicators 		
Peer-reviewed	2013		
articles	 Walker N, Yenokyan G, Friberg I, Bryce J. Patterns in coverage of maternal, newborn, and child health interventions projections of neonatal and under-5 mortality to 2035. <i>Lancet</i> 2013;382:1029–38. Hsu J, Pitt C, Berman P, Mills A. Reproductive health priorities: evidence from a resource tracking analysis of officia development assistance in 2009 and 2010. <i>Lancet</i> 2013. doi: 10.1016/S0140-6736(13)60762-X Cavallaro F, Cresswell J, Franca G, Victora C, Barros A, Ronsmans C. Trends in caesarean delivery by country and wealth quintile: cross-sectional survey in South Asia and Sub-Saharan Africa. Bulletin of the World Health Organization. 2013 December 1; 91(12): 914–922D 		
	2012		
	 Hsu J, Pitt C, Greco G, Berman P, Mills A. Countdown to 2015: changes in official development assistance to maternal, newborn, and child health in 2009–10, and assessment of progress since 2003. <i>Lancet</i> 21 September 2012. doi: 10.1016/S0140-6736(12)61415-9). (PDF) Victora C, Barros A, Axelson H, <i>et al</i>, How changes in coverage affect equity in maternal and child health interventions in 35 Countdown to 2015 countries: an analysis of national surveys. <i>Lancet</i> 21 September 2012. doi: 10.1016/S0140-6736(12)61427-5. (PDF) Amouzou A, Habi O, Bensaïd K, Reduction in child mortality in Niger: a Countdown to 2015 country case study. 		
	<i>Lancet</i> 21 September 2012. doi: 10.1016/S0140-6736(12)61376-2 (PDF)		
	 Sanda S, Comment: Niger's success in child survival. <i>Lancet</i>, 21 September 2012. doi: 10.1016/S0140-6736(12)61514-1. (PDF) Bhutta Z, Chopra M. The Countdown for 2015: what lies ahead? <i>Lancet</i> 21 September 2012. doi: 10.1016/S0140-6736(12)61382-8. (PDF) Countdown 2012 Report writing group. Countdown 2012 report: Building a future for women and children. <i>Lancet</i> 2012;379:2121-22 		
	 Barros A, Ronsmans C, Axelson H, <i>et al.</i> Equity in maternal, newborn, and child health interventions in Countdown to 2015: a retrospective review of survey data from 54 countries. <i>Lancet</i> 2012;379:1225–33 		
	2011		
	• Gupta M, Maliqi B, França A, <i>et al</i> . Human resources for maternal, newborn and child health: from measurement and planning to performance for improved health outcomes. <i>Hum Res Health</i> 2011;9:16		
	2010		
	 Pitt C, Greco G, Powell-Jackson T, Mills A. Countdown to 2015: assessment of official development assistance to maternal, newborn, and child health, 2003—08. <i>Lancet</i> 2010;376:1485–96. Bhutta Z, Chopra M, Axelson H <i>et al.</i> Countdown to 2015 decade report (2000–10): taking stock of maternal, newborn, and child survival. <i>Lancet</i> 2010;375:2032–44. 		
	2008		
	Lancet: Full Countdown issue, April 12, 2008		
	 Countdown Coverage Writing Group on behalf of the Countdown to 2015 Core Group, Countdown to 2015 Maternal, Newborn and Child Survival: the 2008 report on tracking coverage for interventions. <i>Lancet</i> 2009;271:1247–58 		

Table 2. Countdown to 2015 citation list, 2005–13

2008;371:1247-58

Table 2. Continued

Publication type	Citation
	• Countdown Working Group on Health Policy and Health Systems. Assessment of the health system and policy env ronment as a critical complement to tracking intervention coverage for maternal newborn and child health. <i>Lancet</i> 2008; 371 :1284–93
	• Countdown 2008 Equity Analysis Group, Mind the gap: equity and trends in coverage of maternal, newborn and child health services in 54 Countdown countries. <i>Lancet</i> 2008;371:1259–67.
	• Greco G, Powell-Jackson T, Borghi J, Mills A. Countdown to 2015: assessment of donor assistance to maternal, ne born and child health between 2003 and 2006. <i>Lancet</i> 2008;371:1268–75
	• Masanja H, de Savigny D, Smithson P <i>et al</i> . Child survival gains in Tanzania: analysis of data from demographic ar health surveys. <i>Lancet</i> 2008;371:1276–83.
	• South Africa Every Death Counts Writing Group. Every death counts: use of mortality audit data for decision maki to save the lives of mothers, babies and children in South Africa. <i>Lancet</i> 2008; 371 :1294–304
	• Heikens G, Bunn J, Amadi B. Viewpoint: Case management of HIV-infected severely malnourished children: challenges in the area of highest prevalence. <i>Lancet</i> 2008; 371 :1305–07
	• Salama P, Lawn J, Bryce J et al. Comment: Making the Countdown count. Lancet 2008;371:1219-21
	• Horton R. Comment: Countdown to 2015: a report card on maternal, newborn and child survival. <i>Lancet</i> 2008; 371 :1217–19
	• Bustreo F, Johnsson A. Comment: Parliamentarians: leading the change for maternal, newborn, and child survival? <i>Lancet</i> 2008;371:1221–22
	• Bernstein S, Say L, Chowdhury S. Comment: Sexual and reproductive health: completing the continuum. <i>Lancet</i> 2008; 371 :1225–26
	• Shankar A, Bartlett L, Fauveau V <i>et al.</i> , on behalf of the Countdown to 2015 Maternal Health Group. Comment: Delivery of MDG 5 by active management with data. <i>Lancet</i> 2008;371:1223–24
	• Stoltenberg J. Comment: Delivering for women and children. Lancet 2008;371:1230-32
	• Lancet. Editorial: South Africa in the spotlight. Lancet 2008;371:1215
	2007
	 Lawn J, Costello A, Mwansambo C, Osrin D. Countdown to 2015: will the Millennium Development Goal for chi survival be met? Arch Dis Child 2007;92:551–56
	2006
	• Bryce J, Terreri N, Victora C <i>et al</i> . Countdown to 2015: tracking intervention coverage for child survival. <i>Lancet</i> 2006; 368 :1067–76
	• Horton R. A new global commitment to child survival. Lancet 2006;368:1041-42
	• Powell-Jackson T, Borghi J, Mueller D, Patouillard E, Mills A. Countdown to 2015: tracking donor assistance to maternal, newborn, and child health. <i>Lancet</i> 2006;368:1077–87
	2005
	• Bryce J, Victora C, on behalf of the Conference Organizing Group. Comment: Child survival: countdown to 2015. <i>Lancet</i> 2005;365:2153–54

References

- Claeson M, Gillespie D, Mshinda H, Troedsson H, Victora CG. Knowledge into action for child survival. *Lancet* 2003;362: 323–27.
- 2. United Nation's Commission on Information and Accountability for Women's and Children's Health. *Keeping Promises*, *Measuring Results*. Geneva: World Health Organization, 2011.
- 3. Murray C, Newby H. Data resource profile: United Nations' Children's Fund. *Int J Epidemiol* 2012;41:1595–1601.
- 4. Requejo JH, Newby H, Bryce J. Measuring coverage in MNCH: Challenges and opportunities in the selection of coverage indicators for global monitoring. *PLoS Med* 2013;10: e1001416.