

**BASELINE NARRATIVE REPORTING DOCUMENT
LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE**

In lieu of the full baseline data collection exercise taking place, please complete the following reporting document. One overarching document for the whole consortium is preferred. However, if it is easier, we are happy to also accept one form per consortium partner.

While the document predominately uses a narrative reporting format, we have also included space for inclusion of any quantitative data that may be available. Please try to include as much quantitative data as possible.

In addition, the final part of the form requests publication and grants data relating to co-applicants (named personnel within the original bid document). These are vital for successful review of the progress of the African Institutions Initiative and we request that you provide as much data here as possible.

Any queries regarding the forms should be sent to: r.e.hanlin@open.ac.uk

Please endeavour to return the completed form(s) to us by **30th November 2010**.

PART A: Capacity baseline

1. What was the situation with respect to scientific/ research related human resources capacity (research active staff, post-grads) within your relevant field of activity in your African partner institutions at baseline (September 2009)?

Narrative report:

Some data on this are provided in our original application to the Wellcome Trust.

The main overall point to make is that, at the majority of African partner institutions at baseline, research was not considered in practice as a legitimate use of the time of the academic staff, which was fully taken up with their teaching and administrative workload.

Any additional supporting quantitative data:

2. What relevant training courses/ programmes (for post-graduate teaching in particular, but also professional development) were available within the partner institutions at baseline (September 2009)? Please distinguish between courses/ programmes available in Northern institutions and African institutions if possible.

Narrative report:

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Some 20 MSc courses, including Public Health in Developing Countries, 6 distance learning MSc courses including Epidemiology, short courses including 5 week course in Tropical Environmental Health. Also, more than 50 Staff Development courses, and courses specially organised by other capacity-building consortia involving the School.

Any additional supporting quantitative data:

3. What was the situation with respect to research management, governance and administration structures within your relevant field of activity in your African partner institutions at baseline (September 2009)?
Narrative report:
Any additional supporting quantitative data:
4. What was the situation with respect to physical and ICT infrastructure within your relevant field of activity in your African partner institutions at baseline (September 2009)? Where any additional facilities based within Northern partner institutions regularly used by African partner institutions at baseline?
Narrative report:
Any additional supporting quantitative data:

PART B: Publication and grants situation

Please provide the following as additional annexes to this report:

- A list of co-applicants' publications (for the last 10 years). Data should relate to both African and Northern institutions.
- A list of co-applicants' grants (if possible for the last 10 years, minimum requirement is 5 years). Data should relate to both African and Northern institutions.

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Publications in last 10 years by co-applicant Prof. Sandy Cairncross

- Bradley D.J., CAIRNCROSS S., Haines A., Stephens C. 2001 Health and sustainable development. World Summit for Sustainable Development Opinion. London: International Institute for Environment and Development.
- Jensen P.K., Matsuno Y., van der Hoek W., CAIRNCROSS S. 2001 Limitations of irrigation water quality guidelines from a multiple use perspective. Irrigation and Drainage Systems **15** (2): 117-128.
- Almeida L.M., Werneck G.L., CAIRNCROSS S., Coeli C.M., Costa M.C.E., Coletty P.E. 2001. The epidemiology of hepatitis A in Rio de Janeiro: environmental and domestic risk factors. Epidemiology and Infection **127**: 327-333
- Thompson J., CAIRNCROSS S. 2002 Drawers of water; assessing domestic water use in East Africa. Bulletin of the World Health Organization **80**: 61-62.
- CAIRNCROSS S., Muller R., Zagaria N. 2002 Dracunculiasis (Guinea worm disease) and the eradication initiative. Clinical Microbiology Reviews **15**: 223-246
- Jensen P.K., Ensink J.H.J., Jayasinghe G., van der Hoek W., CAIRNCROSS S., Dalsgaard A. 2002 Domestic transmission routes of pathogens; the problem of in-house contamination of drinking water during storage in developing countries. Tropical Medicine & International Health **7**: 604-609
- Teixeira M.G., Barreto M.L., Costa M.C., Ferreira L.D.A., Vasconcelos P.F.C., CAIRNCROSS S. 2002 Dynamics of dengue virus circulation; a silent epidemic in a complex urban area. Tropical Medicine & International Health **7** (8): 757-762.
- CAIRNCROSS S. 2003. Editorial: water supply and sanitation; some misconceptions. Tropical Medicine & International Health **8** (3): 193-195.
- Almeida L.M., Amaku M., Azevedo R.S., CAIRNCROSS S., Massad E. 2003 The intensity of transmission of hepatitis A and heterogeneities in socio-environmental risk factors in Rio de Janeiro, Brazil. Transactions of the Royal Society of Tropical Medicine & Hygiene **96**: 605-610.
- Jensen PK, Ensink JHJ, Jayasinghe G, van der Hoek W, CAIRNCROSS S, Dalsgaard A. 2003. Effect of chlorination of drinking-water on water quality and childhood diarrhoea in a village in Pakistan. Journal of Health, Population and Nutrition **21**: 26-31.
- CAIRNCROSS S. 2003. Sanitation in the developing world; current status and future solutions. International Journal of Environmental Health Research **13**: S123-S131.
- Curtis V, CAIRNCROSS S. 2003. Effect of washing hands with soap on diarrhoea risk in the community: a systematic review. Lancet Infectious Diseases **3**: 275-281.
- Strina A, CAIRNCROSS S, Barreto ML, Larrea C and Prado MS 2003. Childhood diarrhea and observed hygiene behavior in Salvador, Brazil. American Journal of Epidemiology **157** (11): 1032-1038.

- CAIRNCROSS S, O'Neill D, McCoy A, Sethi D 2003. Health, Environment and the Burden of Disease; a Guidance Note. London: Department for International Development. (Also published in French)
- Curtis V, CAIRNCROSS S, 2003. Water, sanitation and hygiene at Kyoto; hand washing and sanitation need to be marketed as if they were consumer products. British Medical Journal **327**: 3-4.
- CAIRNCROSS S, 2003. Editorial: Handwashing with soap – a new way to prevent ARIs? Tropical Medicine & International Health **8** (8): 677-679
- Moraes L.R.S., Cancio J.A., CAIRNCROSS S., Huttly S.R.A. 2003. Impact of drainage and sewerage on diarrhoea in poor urban areas in Salvador, Brazil. Transactions of the Royal Society of Tropical Medicine and Hygiene **97**: 153-158.
- Prado MS, Strina A, Barreto ML, Oliveira-Assis AM, Paz LM, CAIRNCROSS S 2003. Risk factors for infection with *Giardia duodenalis* in pre-school children in the city of Salvador, Brazil. Epidemiology and Infection **131**: 899-906.
- CAIRNCROSS S, Shordt K 2004. It does last! Some findings from a multi-country study of hygiene sustainability. Waterlines **22** (3): 4-7.
- Clasen TF, CAIRNCROSS S. 2004. Editorial: Household water management; refining the dominant paradigm. Tropical Medicine and International Health **9** (2): 187-191.
- Moraes LRS, Cancio JA, CAIRNCROSS S. 2004. Impact of drainage and sewerage on intestinal nematode infections in poor urban areas in Salvador, Brazil. Transactions of the Royal Society of Tropical Medicine and Hygiene **98**: 197-204.
- Moraes LRS, CAIRNCROSS S. 2004. Environmental Interventions and the Pattern of Geohelminth Infections in Salvador, Brazil. Parasitology **129**: 223-232.
- Clasen T, Brown J, Collin S, Suntura O, CAIRNCROSS S. 2004. Reducing diarrhoea through the use of household-based ceramic water filters: a randomized, controlled trial in rural Bolivia. American Journal of Tropical Medicine and Hygiene **70** (6): 651-7.
- CAIRNCROSS S, Muller R. 2004. Dracunculiasis. In Kamel R. & Lumley J. (eds) Textbook of Tropical Surgery. London: Westminster Publishing, 1053-1055.
- CAIRNCROSS S. 2004. The Case for Marketing Sanitation. Water & Sanitation Program Field Note. Nairobi: The World Bank.
- Aiga H, Amano T, CAIRNCROSS S, Domako JA, Nanas OK, Coleman S. 2004. Assessing water-related risk factors for Buruli ulcer: a case-control study in Ghana. American Journal of Tropical Medicine and Hygiene **71** (4): 387-92.
- CAIRNCROSS S, Valdmanis V. 2004. Water supply, sanitation and hygiene promotion. Disease Control Priorities Project, Working Paper no. 28. Washington DC: National Institutes of Health. www.fic.nih.gov/dcpp/wps.html

- Jensen PK, Jayasinghe G, van der Hoek W, CAIRNCROSS S, Dalsgaard A. 2004. Is there an association between bacteriological drinking water quality and childhood diarrhoea in developing countries? Tropical Medicine & International Health **9** (11): 1210-1215.
- Bolt E, CAIRNCROSS S. 2004. Sustainability of Hygiene Behaviour and the Effectiveness of Change Interventions. 1 – Lessons learned on research methodologies and research implementation from a multi-country research study. Delft, Netherlands: IRC International Water and Sanitation Centre
- *Shordt K, CAIRNCROSS S. 2004. Sustainability of Hygiene Behaviour and the Effectiveness of Change Interventions. 2 – Findings of a multi-country research study and implications for water and sanitation programmes. Delft, Netherlands: IRC International Water and Sanitation Centre.
- Clasen T, Roberts I, Rabie T, CAIRNCROSS S (2004). Interventions to improve water quality for preventing diarrhoea (Protocol for a Cochrane Review). In: The Cochrane Library, Issue 2, 2004. Oxford: Update Software
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- Strina A, CAIRNCROSS S, Prado MS, Teles CAS, Barreto ML. 2005. Childhood diarrhoea symptoms, management and duration: observations from a community longitudinal study. Transactions of the Royal Society of Tropical Medicine and Hygiene. **99** (6): 407-416.
- Prado MS, CAIRNCROSS S, Strina A, Barreto ML, Oliveira-Assis AM, Rego S. 2005. Asymptomatic giardiasis and growth in young children; a longitudinal study in Salvador, Brazil. Parasitology **131** (Pt 1): 51-6.
- Oum S, Chandramohan D, CAIRNCROSS S. 2005. Community-based surveillance; a pilot study from rural Cambodia. Tropical Medicine & International Health **10** (7): 689-97.
- Waterkeyn J, CAIRNCROSS S 2005. Creating demand for sanitation and hygiene through Community Health Clubs: a cost-effective intervention in two districts in Zimbabwe. Social Science & Medicine **61**(9):1958-70.
- Morgan O, Ahern M, CAIRNCROSS S. 2005. Revisiting the tsunami: health consequences of flooding. Public Library of Science Medicine **2**(6):e184. Epub 2005 Jun 28.
- [CAIRNCROSS S. 2005 Evaluation of the dracunculiasis surveillance system in 4 districts in Ghana. Weekly Epidemiological Record **80**(32): 270-276.]
- CAIRNCROSS S, Shordt K, Zacharia S, Govindan BK. 2005. What causes sustainable changes in hygiene behaviour? A cross-sectional study from Kerala, India. Social Science & Medicine **61**(10): 2212-20.
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Developing Countries (2nd edition). Washington DC: The World Bank, Chapter 41, pp. 771-792.

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Ensink JHJ, Brooker S, CAIRNCROSS S and Scott CA 2006. Wastewater use in India, the impact of irrigation weirs on water quality and farmer health. Proc. 32nd WEDC International Conference, Colombo, Sri Lanka.

Clasen T, Schmidt W-P, CAIRNCROSS S (2007). Letter: Evidence from intervention studies questions need for integrated diarrhoea control strategies. American Journal of Public Health <http://www.ajph.org/cgi/eletters/AJPH.2006.086207v1>

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Clasen T, Haller L, Walker D, Bartram J, CAIRNCROSS S 2007 Cost-effectiveness of water quality interventions for preventing diarrhoeal disease in developing countries. Journal of Water and Health 5(4):599-608.

Fung IC, CAIRNCROSS S 2007 How often do you wash your hands? A review of surveys of hand-washing practices in the community during and after the SARS outbreak in 2003. International Journal of Environmental Health Research 17 (3): 161-183.

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Barreto ML, Genser B, Strina A, Teixeira MG, Assis AMO, Rego RF, Teles CA, Prado MS, Matos SMA, dos Santos LA, CAIRNCROSS S. 2007. Effect of city-wide sanitation programme on reduction in rate of childhood diarrhoea in northeast Brazil: assessment by two cohort studies. The Lancet 370:1622-1628. DOI:10.1016/S0140-6736(07)61638-9

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- Chandramohan D, Shibuya K, Setel P, CAIRNCROSS S, Lopez AD, Murray CJL. 2008. Should data from demographic surveillance systems be made more widely available to researchers? *PLoS Medicine* 5 (2): e57 DOI:10.1371/journal.pmed.0050057
- Clasen TF, Bostoen K, Schmidt WP, Boisson S, Fung ICH, Jenkins M, Scott B, Sugden S, CAIRNCROSS S 2008. Interventions to improve excreta disposal for the prevention of diarrhoea. (Protocol for a Cochrane Review). In: The Cochrane Library, Issue 2, 2008. Oxford: Update Software
- Ferrer SR, Strina A, Jesus SR, Ribeiro-Jr HC, CAIRNCROSS S, Rodrigues LC, Barreto ML 2008. A hierarchical model for studying risk factors for childhood diarrhoea: a case control study in a middle income country. *International Journal of Epidemiology* doi: 10.1093/ije/dyn093
- Teixeira MG, Barreto ML, Costa MCN, Ferreira LDA, Morato V, Vasconcelos P, CAIRNCROSS S 2007. Exposure to the risk of dengue virus infection in an urban setting: ecological versus individual heterogeneity, *Denque Bulletin* 31: 36-46.
- Genser B, Strina A, dos Santos LA, Teles CA, Prado MS, CAIRNCROSS S, Barreto ML. 2008. Impact of a city-wide sanitation intervention in a large urban centre on social, environmental and behavioural determinants of childhood diarrhoea: analysis of two cohort studies. *International Journal of Epidemiology* 37: 831-840. doi: 10.1093/ije/syn101.
- Fung IC-H, CAIRNCROSS S. 2009. Ascariasis and handwashing. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 103, pp. 215-222 DOI: 10.1016/j.trstmh.2008.08.003
- Schmidt W-P, CAIRNCROSS S. 2009 Household water treatment in poor populations – is there enough evidence for scaling up now? *Environmental Science & Technology* 43(4):986-92.
- Schmidt W-P, CAIRNCROSS S, Barreto M, Clasen T, Genser B 2009 Recent diarrhoeal illness and risk of lower respiratory infections in children under the age of 5 years. *International Journal of Epidemiology*, doi:10.1093/ije/dyp159
- Jenkins MW, CAIRNCROSS S 2009. Modelling latrine diffusion in Benin: towards a community typology of demand for improved sanitation in developing countries. *Journal of Water & Health* 8(1):166-83..
- Strina A, Rodrigues LC, CAIRNCROSS S, Ferrer SR, Fialho AM, Leite JPG, Ribeiro-Jr HC, Barreto ML 2009. Factors Associated with Diarrhoea with Rotavirus in Children Living in an Urban Centre in a Middle-Income Country. *Epidemiology and Infection* (under review).
- Ensink J, Scott C, Brooker S, CAIRNCROSS S. 2009. Sewage disposal in the Musi-River, India: water quality remediation through irrigation infrastructure. *Irrigation and Drainage Systems* (in press).

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- CAIRNCROSS S, Hunt C, Boisson S, Bostoen K, Curtis V, Fung ICH, Schmidt W-P. 2010. Water, sanitation and hygiene for the prevention of diarrhoea. *Int J Epidemiol*. 39 Suppl 1:i193-205.
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- Silva SR, Heller L, de Campos Valadares J, CAIRNCROSS S 2010. Relationship (or its lack) between population and a water and sanitation service: a study of users' perception in Vitória (ES) Brazil. *Journal of Water and Health* (in press)
- Barreto ML; Genser B, Strina A; Teixeira MG, Assis AMO, Rego RF, Teles CA; Prado MS; Matos SMA; Alcântara-Neves NM; CAIRNCROSS S 2010, Impact of a City-Wide Sanitation Programme in Northeast Brazil on Intestinal Parasites Infection in Young Children. *Environmental Health Perspectives* (in press).

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Grants held in last 10 years by co-applicant Prof. Sandy Cairncross

Title	Funder	Role	Total Value (£)	LSHTM Share (£)	Period (years)
Sanitation & Hygiene Research Programme (SHARE)	DFID	Research Director	10,000,000	3,500,000	5 yrs, 1/2010 – 1/2014
Analysis of Cholera Responses in Guinea	UNICEF	PI	53,000	53,000	0.3 yr, 2009/2010
Five Occasions Study	Lifebuoy	PI	15,000	15,000	1 yr 2009/2010
African SNOWS Strengthening Research Capacity	Wellcome Trust	Deputy Director	1 million	137,350	5 yrs 9/2009 – 8/2014
Collation and Presentation of Evidence to CHERG	UNICEF	PI	35,000	24,000	2.3 yrs 2008/9
WASH presentation to CHERG	Gates via UNICEF	PI	11,000	11,000	2.3 yrs 2008/9
Longitudinal prevalence as a measure of diarrhoea and other recurrent infections	Wellcome Trust (Grant no.082569)	Grant holder & PI	77,604	57,604	1.25 yrs 8/2007 – 1/2009
DFID Sanitation Reference Group.	DFID	Senior external member		Fees 4,384	1 – 7/ 2007
Systematic review of health benefits of sanitation	WaterAid	Grant holder, co-PI	40,000	40,000	6 months, 5 – 11/2007
Impact and Sustainability of School Sanitation and Health Education Programmes.	Unicef via IRC	Grant holder	\$31,190	\$31,190	1 yr 11/2006 – 11/2007
TARGETS Research Programme Consortium in Communicable Diseases, Vulnerability, Risk and Poverty	DFID	Director (until June 2006)	£5 million		5 yrs 2005 - 2010
Monitoring tool for water & sanitation coverage	Water & Sanitation Collaborative Council	PI	£92,464	£92,464	2002-2003
Review of integrated women's health projects	WHO	Grant holder, & supervisor	£101,194	£101,194	2000-2002
Multicountry Study on Sustainability of Hygiene Promotion	EU/DGIS	Co-PI	Euros 13,080	Euros 13,080	2000-2003
WELL Resource Centre	DFID	Technical Director	Approximately £611,582/year		2001-2005