

**ROHIT RAMASWAMY, Ph.D., MPH, Graduate Diploma (Biostatistics)**

Anderson Center for Health Systems Excellence

Cincinnati Children's Medical Center

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Cincinnati, OH 45229

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**EDUCATION**

Graduate Diploma  
Biostatistics  
August 2008-December 2010

University of Sydney  
Sydney School of Public Health  
Department of Biostatistics

Master of Public Health  
September 2005-December 2007

University of North Carolina Chapel Hill  
Gillings School of Global Public Health  
Public Health Leadership Program

Doctor of Philosophy  
September 1984-May 1989

Massachusetts Institute of Technology  
Department of Civil Engineering

Master of Science  
September 1981-February 1983

Massachusetts Institute of Technology  
Department of Civil Engineering

Bachelor of Technology  
May 1976-April 1981

Indian Institute of Technology Madras  
Department of Mechanical Engineering

**PROFESSIONAL EXPERIENCE****Professor**

August 2021 to present  
Department of Pediatrics  
University of Cincinnati

## 2 | Ramaswamy Curriculum Vitae

### **Adjunct Professor**

August 2021 to present

University of North Carolina

Gillings School of Global Public Health

Public Health Leadership Program and Department of Maternal and Child Health

Affiliate Faculty, The Water Institute at UNC

### **Adjunct Professor**

January 2017 to present

Richard M. Fairbanks School of Public Health

IUPUI

Department of Health Policy and Management

### **Professor**

June 2018 to August 2021

University of North Carolina

Gillings School of Global Public Health

Public Health Leadership Program and Department of Maternal and Child Health

Affiliate Faculty, The Water Institute at UNC

### **Clinical Associate Professor**

February 2013 to March 2019

University of North Carolina

Gillings School of Global Public Health

Public Health Leadership Program and Department of Maternal and Child Health

Affiliate Faculty, The Water Institute at UNC

### **Gillings Visiting Clinical Associate Professor**

February 2009 to January 2013

University of North Carolina

Gillings School of Global Public Health

Public Health Leadership Program

### **Founder and President**

May 1997 to December 2012

Service Design Solutions Inc.

Des Moines, IA

### 3 | Ramaswamy Curriculum Vitae

Service Design Solutions, Inc. is a management consulting firm for corporations and non-profit organizations, assisting in the achievement of operational excellence through better design of services.

#### **Technical Manager**

May 1990 to May 1997  
AT&T Bell Laboratories  
Holmdel, NJ

#### **Senior Transportation Analyst**

July 1989 to May 1990  
United Airlines, Inc.  
Chicago, IL

#### **Transportation Analyst**

February 1983 to September 1984  
Cambridge Systematics Europe  
The Hague, The Netherlands

### **LEADERSHIP POSITIONS**

#### **Co-Research Director, Anderson Center for Health Systems Excellence**

August 2021 to present  
James M. Anderson Center for Health Systems Excellence  
Cincinnati Children's Medical Center

#### **Co-lead, MPH Global Health Concentration, Gillings School of Global Public Health**

February 2018 to present  
Co-lead the new MPH global health concentration area in the School of Public Health shared by four departments. Responsible for curriculum design, instructor management, student admissions and evaluation for all online and residential students in this concentration.

#### **UNC Chapel Hill Chancellor's Advisory Committee**

September 2019 to August 2021  
The Advisory Committee consists of nine elected members across the university. The committee advises the chancellor in any matter deemed important by the chancellor or the committee.

## 4 | Ramaswamy Curriculum Vitae

### **UNC Chapel Hill Faculty Council**

September 2016 to August 2021

The Faculty Council exercises the legislative power of the general faculty. Members of the Faculty Council are elected for terms of three years by the general faculty.

### **Associate Director, Public Health Leadership Program**

October 2020 to August 2021

University of North Carolina

Gillings School of Global Public Health

### **Associate Director, Global Practice, Office of Research, Innovation and Global Solutions, Gillings School of Global Public Health**

2016 to 2018.

Responsible for facilitating the enhancement of the School of Public Health's global footprint by creating opportunities to bring together public health faculty within the school and across the UNC campus with organizations within the area create a venue for ongoing interdisciplinary collaboration in global practice.

### **Faculty Director, Global Online MPH (GO MPH), Gillings School of Global Public Health**

2015 to 2019

Designed the curriculum, led the development of courses and provided direction and oversight for the Global Online MPH program, a completely online program intended to provide working professionals with interdisciplinary skills to develop global health solutions. Ensured that the program was compliant with CEPH requirements. In 2019, the GO MPH merged with the school wide MPH@UNC program.

## **PUBLICATIONS**

### **PEER-REVIEWED PUBLICATIONS**

1. Beecroft, B., Sturke, R., Neta, G., & **Ramaswamy, R.** (2022). The "case" for case studies: Why we need high-quality examples of global implementation research. *Implementation Science Communications*, 3(1). doi:10.1186/s43058-021-00227-5
2. Huffstetler, H. E., Boland, S. E., Williams, C. R., Rice, D. K., & **Ramaswamy, R.** (2022). Beyond virtue-signaling: Advancing equity through design justice and

## 5 | Ramaswamy Curriculum Vitae

public health critical race praxis. *Health Equity*, 6(1), 21-26.  
doi:10.1089/heq.2021.0075

3. Wensing, M., Sales, A., Wilson, P., Armstrong, R., Kislov, R., Rankin, N. M., **Ramaswamy, R.**, & Xu, D. (2021). Implementation science and implementation science communications: A refreshed description of the journals' scope and expectations. *Implementation Science*, 16(1). doi:10.1186/s13012-021-01175-3
4. Turner, M. W., Bogdewic, S., Agha, E., Blanchard, C., Sturke, R., Pettifor, A., Salisbury, K., Marques, A. H., Excellent, M. L., Rajagopal, N., & **Ramaswamy, R.** (2021). Learning needs assessment for multi-stakeholder implementation science training in LMIC settings: findings and recommendations. *Implementation Science Communications*, 2(1), 134.  
<https://doi.org/10.1186/s43058-021-00238-2>
5. Bogdewic, S., & **Ramaswamy, R.** (2021). Developing complexity-informed COVID-19 responses to optimize community well-being: A systems thinking approach. *Systems*, 9(3), 68. doi:10.3390/systems9030068
6. Holly, M., Bartels, S., Lewis, N., Howard, P., & **Ramaswamy, R.** (2021). A learning approach to community response during the COVID -19 pandemic: Applying the Cynefin framework to guide decision-making. *Learning Health Systems*. doi:10.1002/lrh2.10295
7. Reed, K., Carr, T., Rabbani, R., Chandler, C., Scaccia, J., Cook, B., ... **Ramaswamy, R.** (2021). Blending participatory action synthesis and meta-ethnography: An innovative approach to evaluating complex community health transformation. *Journal of Participatory Research Methods*. doi:10.35844/001c.29011
8. Carr, T., Holly, M., Reed, K., Rabbani, R., Chandler, C., Cook, B., ... **Ramaswamy, R.** (2021). Developing capacity for learning community systems: Experiences from the 100 million healthier lives SCALE initiative. *Learning Health Systems*. doi:10.1002/lrh2.10296
9. Bartlett, R., Boyle, J.A., Simons Smith, J., Khan, N., Robinson, T. and **Ramaswamy, R.** (2021). Evaluating human-centred design for public health: a case study on developing a healthcare app with refugee communities. *Research Involvement and Engagement* 7, 32.
10. Domlyn, A. M., Scaccia, J., Lewis, N., Ebony Coleman, S., Parry, G., Saha, S., Wandersman, A., & **Ramaswamy, R.** (2021). The community transformation map: A maturity tool for planning change in community health improvement for equity and well-being. *American Journal of Orthopsychiatry*, 91(3), 322–331.

## 6 | Ramaswamy Curriculum Vitae

11. Anderson, D. M., Fisher, M. B., Kwena, O., Kambou, H., Broseus, R., Williams, A. R., **Ramaswamy, R.**, & Bartram, J. (2021). Adapting a safe water storage container to improve household stored water quality in rural Burkina Faso: A cluster randomized trial. *Journal of Water, Sanitation and Hygiene for Development*, 11(5), 719-731. doi:10.2166/washdev.2021.065
12. Manyeh, A. K., Ibisomi, L., **Ramaswamy, R.**, Baiden, F., & Chirwa, T. (2020). Exploring factors affecting quality implementation of lymphatic filariasis mass drug administration in Bole and central Gonja districts in northern Ghana. *PLOS Neglected Tropical Diseases*, 14(8), e0007009.
13. Fisher, M. B., Danquah, L., Seidu, Z., Fechter, A. N., Saga, B., Bartram, J. K., Liang, K. M., & **Ramaswamy, R.** (2020). WaSH CQI: Applying continuous quality improvement methods to water service delivery in four districts of rural northern Ghana. *PLOS ONE*, 15(7), e0233679.
14. Williams, C. R., Bogdewic, S., Owen, M. D., Srofenyoh, E. K., & **Ramaswamy, R.** (2020). A protocol for evaluating a multi-level implementation theory to scale-up obstetric triage in referral hospitals in Ghana. *Implementation Science*, 15(1).
15. **Ramaswamy, R.**, Chirwa, T., Salisbury, K., Ncayiyana, J., Ibisomi, L., Rispel, L., Van der Horst, C., & Pettifor, A. (2020). Developing a field of study in implementation science for the Africa region: The Wits–UNC AIDS implementation science Fogarty D43. *Pedagogy in Health Promotion*, 6(1), 46-55.
16. Scott, V. C., Alia, K., Scaccia, J., **Ramaswamy, R.**, Saha, S., Leviton, L., & Wandersman, A. (2019). Formative Evaluation and Complex Health Improvement Initiatives: A Learning System to Improve Theory, Implementation, Support, and Evaluation. *American Journal of Evaluation*, 109821401986802
17. Carr, T., Turner, M. W., & **Ramaswamy, R.** (2019). Scoping review study to identify how communities in the USA, Australia, New Zealand and Canada use quality improvement (QI) approaches to address community health and well-being. *BMJ Open*, 9(12)
18. Anaba, M. K., Ibisomi, L., Owusu-Agyei, S., Chirwa, T., & **Ramaswamy, R.** (2019). Determinants of health workers intention to use malaria rapid diagnostic test in

## 7 | Ramaswamy Curriculum Vitae

Kintampo North Municipality, Ghana - a cross-sectional study. *BMC Health Services Research*, 19(1)

19. Habonimana, D., Nimako, G., Ncayiyana, J., Ndayisaba, G., & **Ramaswamy, R.** (2019). Improving long-lasting insecticidal nets use in Kayange community of north-western Burundi: a pilot study exploring the use of quality improvement methodologies in low-resource community settings. *BMJ Open Quality*, 8(3), e000540
20. Reid, A., Abraczinskas, M., Scott, V., Stanzler, M., Parry, G., Scaccia, J., Wandersman, A. and **Ramaswamy, R.** (2019). Using Collaborative Coalition Processes to Advance Community Health, Well-Being, and Equity: A Multiple-Case Study Analysis From a National Community Transformation Initiative. *Health education & behavior: the official publication of the Society for Public Health Education*.
21. Eboreime, E. A., Nxumalo, N., **Ramaswamy, R.**, Ibisomi, L., Ihebuzor, N. and Eyles, J. (2019). Effectiveness of the Diagnose-Intervene- Verify-Adjust (DIVA) model for integrated primary healthcare planning and performance improvement: an embedded mixed methods evaluation in Kaduna state, Nigeria. *BMJ Open*, 9(3), e026016.
22. Fischer, M., **Ramaswamy, R.**, Fischer-Flores, L. and Mugisha, G. (2019). Measuring and Understanding Depression in Women in Kisoro, Uganda. *Culture, medicine and psychiatry*, 43(1), 160-180.
23. Pfeiffer, E., Owen, M., Pettitt-Schieber, C., Van Zeijl, R., Srofenyoh, E., Olufolabi, A. and **Ramaswamy, R.** (2019). Building health system capacity to improve maternal and newborn care: a pilot leadership program for frontline staff at a tertiary hospital in Ghana. *BMC medical education*, 19(1), 52.
24. **Ramaswamy, R.**, Mosnier, J., Reed, K., Powell, B. J. and Schenck, A. P. (2019). Building capacity for Public Health 3.0: introducing implementation science into an MPH curriculum. *Implementation Science* 14(1), 18.
25. Manyeh, A. K., Ibisomi, L., Baiden, F., Chirwa, T. and **Ramaswamy, R.** (2019). Using intervention mapping to design and implement quality improvement

## 8 | Ramaswamy Curriculum Vitae

strategies towards elimination of lymphatic filariasis in Northern Ghana. *PLoS neglected tropical diseases*, 13(3), e0007267.

26. Eboreime, E. A. , Eyles, J. Nxumalo, N., Eboreime, O.L. & **Ramaswamy, R** (2019). Implementation process and quality of a primary health care system improvement initiative in decentralized context: A retrospective appraisal using the quality implementation framework. *International Journal of Health Planning and Management*, 1–18. doi 10.1002/hpm.2655.
27. Petcharoen, H., Suwannapong, N., Howteerakul, N., Tipayamongkholgul, M. and **Ramaswamy, R.** (2018). Participatory capacity building for improving quality of childcare centers in Thailand. *Rural and remote health*, 18(2), 4570
28. Eboreime, E. A., Nxumalo, N., **Ramaswamy, R.**, & Eyles, J. (2018). Strengthening decentralized primary healthcare planning in Nigeria using a quality improvement model: how contexts and actors affect implementation. *Health Policy and Planning*, 33(6), 715-728.
29. Steeb, D. & **Ramaswamy, R.** (2018). Recognizing and engaging pharmacists in global public health in limited resource settings. In press. (5 pages).
30. Kallam, B. (\*), Petitt-Schieber, C. (\*), Owen, M., Asante, R., Darko, E. & **Ramaswamy, R.** (2018). Implementation Science in Low-Resource Settings: Using the Interactive Systems Framework (ISF) to Implement the WHO Guidelines on Hand Hygiene in a Tertiary Hospital in Ghana. *International Journal for Quality in Healthcare*. <https://doi.org/10.1093/intqhc/mzy111>.
31. Hirschhorn, L. R., **Ramaswamy, R.**, Devnani, M., Wandersman, A., Simpson, L. A., & Garcia-Elorrio, E. (2018). Research versus practice in quality improvement? Understanding how we can bridge the gap. *International Journal for Quality in Health Care*, 30(suppl\_1), 24-28.
32. Goodman, D. M., Srofenyoh, E. K., **Ramaswamy, R.**, Bryce, F., Floyd, L., Olufolabi, A., Owen, M. D. (2018). Addressing the third delay: implementing a novel obstetric triage system in Ghana. *BMJ Global Health*, 3(2), e000623



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33. Floyd, L., Bryce, F., **Ramaswamy, R.**, Olufolabi, A., Srofenyoh, E., Goodman, D. & Pearson, N. (2018). The introduction of a midwife-led obstetric triage system into a regional referral hospital in Ghana. *Midwifery*, *61*, 45-52.
34. **Ramaswamy, R.**, Reed, J., Livesley, N., Boguslavsky, V., Garcia-Ellorio, E., Sax, S., Houleymata, D., Kimble, L. & Parry, G. (2018). Unpacking the black box of improvement. *International Journal for Quality in Health Care*, *30*(suppl\_1), 15-19.
35. Peterson, H. B., Haidar, J., Fixsen, D., **Ramaswamy, R.**, Weiner, B. J., & Leatherman, S. (2018). Implementing Innovations in Global Women's, Children's, and Adolescents' Health. *Obstetrics & Gynecology*, *131*(3), 423-430.
36. **Ramaswamy, R.**, Shidhaye, R., & Nanda, S. (2018). Making Complex Interventions Work in Low Resource Settings: Developing and Applying a Design Focused Implementation Approach to Deliver Mental Health through Primary Care in India. *International Journal of Mental Health Systems*, *12*(5).
37. **Ramaswamy, R.**, Rotschild, C., Alabi, F. , Wachira, E., Muigai, F., & Pearson, N. (2017). Using Value Stream Mapping to improve quality of care in low resource facility settings. *International Journal for Quality in Healthcare*, *29*(7) 961-965.
38. Goodman, D. M., **Ramaswamy, R.**, Jeuland, M., Srofenyoh, E. K., Engmann, C. M., Olufolabi, A. J., & Owen, M. D. (2017). The cost effectiveness of a quality improvement program to reduce maternal and fetal mortality in a regional referral hospital in Accra, Ghana. *PLOS ONE*, *12*(7).
39. Kumar, M. , Mostafa, J. and **Ramaswamy, R.** (2017). Federated health information architecture: Enabling healthcare providers and policymakers to use data for decision-making. *Health Information Management Journal*. Published online May 2017.
40. Wandersman, A., Alia, K.(\*), Cook, B. S., Hsu, L. L., & **Ramaswamy, R.** (2016). Evidence-based interventions are necessary but not sufficient for achieving outcomes in each setting in a complex world: Empowerment Evaluation, Getting to Outcomes and demonstrating accountability. *American Journal of Evaluation*, *37*(4), 544-561.

## 10 | Ramaswamy Curriculum Vitae

41. Owen, M.D., Floyd, L., Bryce, F., **Ramaswamy, R.**, Pearson, N., Morgan, K., Srofenyoh, E.K. (2016). Implementation of a triage system to reduce wait time and prioritise care for high-risk obstetric patients in a regional hospital in Accra, Ghana. *The Lancet Global Health*, 4, S16.
42. **Ramaswamy, R.**, Kallam, B. (\*), Srofenyoh, E.K., & Owen, M. (2016). Multi-tiered quality improvement strategy to reduce maternal and neonatal death in complex delivery systems in Ghana. *The Lancet Global Health*, 4, S24.
43. **Ramaswamy, R.**, Kallam, B., Kopic, D., Pujic, B., & Owen, M. D. (2016). Global health partnerships: building multi-national collaborations to achieve lasting improvements in maternal and neonatal health. *Globalization and Health*, 12(1).
44. **Ramaswamy, R.**, Iracane, S., Srofenyoh, E.K., Bryce, F., Floyd, L., Kallam, B.(\*) , & Owen, M.D. (2015). Transforming maternal and neonatal outcomes in tertiary hospitals in Ghana: an integrated approach for systems change. *Journal of Obstetrics and Gynaecology Canada*, 37(10), 905-914.
45. Wandersman, A., Alia, K.A., Cook, B., & **Ramaswamy, R.** (2015). Integrating empowerment evaluation and quality improvement to achieve healthcare improvement outcomes. *BMJ Quality & Safety*, 24(10), 645-652.
46. Onuoha, O., **Ramaswamy, R.**, Srofenyoh, E. K., Kim, S. M., & Owen, M. D. (2015). The effects of resource improvement on decision-to-delivery times for cesarean deliveries in a Ghanaian regional hospital. *International Journal of Gynecology & Obstetrics*, 130(3), 274-278.
47. Shidhaye, R., Shrivastava, S., Murhar, V., Samudre, S., Ahuja, S., **Ramaswamy, R.**, & Patel, V. (2015). Development and piloting of a plan for integrating mental health in primary care in Sehore district, Madhya Pradesh, India. *The British Journal of Psychiatry*, 208(s56), s13-s20.
48. Shidhaye, R., Raja, A., Shrivastava, S., Murhar, V., **Ramaswamy, R.**, & Patel, V. (2015). Challenges for transformation: a situational analysis of mental health care services in Sehore district, Madhya Pradesh. *Community Mental Health Journal*, 51(8), 903-912.

## 11 | Ramaswamy Curriculum Vitae

49. **Ramaswamy, R.**, Segal, S. (\*), Harris, J., Randolph, G. D., Cornett, A., Harrison, L. M., & Lea, C. S. (2012). Standardizing environmental health processes at the Iowa Department of Public Health. *Journal of Public Health Management and Practice*, 18(1), 27-35.
50. **Ramaswamy, R.**, Storer, G., & Van Zeijl, R. (2005). Designing sustainable communities at CARE. *Knowledge Management for Development*, 1(1), 79-93.
51. Van Rooij, P., **Ramaswamy, R.**, Vaillancourt-Laflamme, C., & Lamoureux, L. (2005). Understanding the role of culture in knowledge sharing: making the invisible visible. *Knowledge Management for Development*, 1(3), 2-5.
52. Gopinath, D., Ben-Akiva, M., & **Ramaswamy, R.** (1994). Modeling performance of highway pavements. *Transportation Research Record*, 1449, 1-7.
53. Ben-Akiva, M., & **Ramaswamy, R.** (1993). An approach for predicting latent infrastructure facility deterioration. *Transportation Science*, 27(2), 174-193.
54. Ben-Akiva, M., Humplick, F., Madanat, S., & **Ramaswamy, R.** (1993). Infrastructure management under uncertainty: latent performance approach. *Journal of Transportation Engineering*, 119(1), 43-58.
55. **Ramaswamy, R.**, & McNeil, S. (1991). Calculation of aggregate pavement condition indices from damage data using factor analysis. *Transportation Research Record*, 1311, 214-222.
56. Geltner, D., & **Ramaswamy, R.** (1987). Economic efficiency implications of optimal highway maintenance policies for private vs. public highway owners. *Transportation Research Record*, 1116.

**BOOKS AND CHAPTERS**

1. **Ramaswamy, R.** and Barach, P. Towards a Learning System for Enhanced Recovery After Surgery (ERAS): Embedding Implementation and Learning Evaluation, in Urman, R., Ljungvist, O., Nader, F. Enhanced Recovery After Surgery – A Complete Guide to Optimizing Outcomes, 2019, Springer.

## 12 | Ramaswamy Curriculum Vitae

2. Hirschorn, L. and **Ramaswamy, R.** Quality Improvement in Resource Poor Countries, in Sollecito, W. and Johnson, J. Continuous Quality Improvement in Health Care, 5th Ed., 2018. Jones and Bartlett Publishers.
3. **Ramaswamy, R.**, Johnson, J. and Hirschhorn, L. The Intersection between Quality Improvement and Implementation Science in Sollecito, W. and Johnson, J. Continuous Quality Improvement in Health Care, 5th Ed., 2018. Jones and Bartlett Publishers.
4. **Ramaswamy, R.** and P.M. Barker. Quality Improvement in Resource Poor Countries, in Sollecito, W. and Johnson, J. Continuous Quality Improvement in Health Care, 4th Ed., 2010. Jones and Bartlett Publishers, Sudbury MA, pages 537-565.
5. Wild, C. and **Ramaswamy, R.** (eds.) Improving Testing: Applying Quality Tools and Techniques. Lawrence Erlbaum Associates, 2007.
6. **Ramaswamy, R.** Design and Management of Service Processes. Addison-Wesley, 1996

**CONFERENCE PRESENTATIONS AND POSTERS**

1. **Ramaswamy, R.** Strengthening the Global Public Health Workforce: Systemic Challenges to Developing a Responsive Implementation Science Capacity between Academic and Practice Institutions. Lead Discussant at the 13th Annual Consortium for Universities for Global Health Conference, March 2022.
2. Peddireddy, S., Taylor, M., Gailliard, Jada., Wright, M., Williams, M., Frerichs, L., Arnold, C., Battle, S., Gailliard, James., Polston, P., Carter-Edwards, L., & **Ramaswamy, R.** The COVID-19 community-engaged risk communication (CERC) project: Using a soft systems approach to develop tailored implementation strategies in a rural black faith-based organization. Oral presentation at the 14th Annual Conference on the Science of Dissemination and Implementation in Health, Washington, DC, December 2021.
3. **Ramaswamy, R.** Redesigning Research within a Learning Health Network. Panel discussion at the Learning Health Networks research conference, Cincinnati Children's Medical Center, June 2021.

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4. **Ramaswamy, R.** and Johnson, J. Integrating Quality Improvement and Implementation Science to Enhance Coproduction of Patient Care. Oral presentation at the 37<sup>th</sup> International Conferences for Quality in Healthcare, Florence, Italy, June 2021.
5. **Ramaswamy, R.**, Willams, C. and Patel, S. The best of both worlds: How you can use quality improvement and implementation science together to create and implement the right interventions for your context. Master class at the Global Implementation Conference, June 2021.
6. **Ramaswamy, R.** and Johnson, J. Bridge QI and IS gap to reduce opioid prescribing. Oral presentation at the IHI Annual Forum on Quality Improvement in Health Care. Orlando, Florida, December 2019.
7. **Ramaswamy, R.** Implementation Science and Improvement Science: Shall the Twain Meet? Panel at the IHI Annual Forum on Quality Improvement in Health Care. Orlando, Florida, December 2019.
8. **Ramaswamy, R.** Implementation Science Labs. Plenary panel at the 12th Annual Conference on the Science of Dissemination and Implementation in Health, Washington, DC, December 2019.
9. Bogdewic, S., Williams, C.R., Owen, M. & **Ramaswamy, R.** The Science of Implementation in Global Health Practice: Using a Theory-Based Approach to Guide Implementation of an Obstetric Triage Program in Ghana. Poster at the 12th Annual Conference on the Science of Dissemination and Implementation in Health, Washington, DC, December 2019.
10. Carr, T., **Ramaswamy, R.**, Howard, P., Reed, K., Cook, B. & Saha, S. Evaluating Complex Community Health Initiatives: Developing Innovative Participatory Synthesis Methods to Inform Learning about Community Transformation. Oral presentation at the American Public Health Association Annual Meeting, Philadelphia, PA, November 2019.
11. **Ramaswamy, R.**, Ibisomi, L., Rispel, L., Charambous, S. and Kellerman, R. Building integrated capacity in improvement and implementation science in South Africa: Lessons for low-and-middle-income countries. Oral presentation at the 36<sup>th</sup> International Conferences for Quality in Healthcare, Cape Town , South Africa, October 2019.

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12. **Ramaswamy, R.** Building Capacity and Engaging Stakeholders in Implementation Science. Panel presentation at the 11th Annual Consortium for Universities for Global Health Conference, Chicago IL, May 2019.
13. **Ramaswamy, R.**, The intersection between implementation science and quality improvement. Oral plenary presentation at the BMJ Quality and Safety Conference, Glasgow, UK, March 2019.
14. **Ramaswamy, R.**, Powell, B., A tiered training model to build system wide capacity in implementation science - current learning and future research. Oral presentation at the 11th Annual Conference on the Science of Dissemination and Implementation in Health, Washington, DC, December 2018.
15. **Ramaswamy, R.**, Mosnier, J., Building competencies for next generation of public health practitioners: Developing multi-disciplinary Implementation Science training for MPH students. Oral presentation at the American Public Health Association Annual Meeting, San Diego, CA, November 2018.
16. **Ramaswamy, R.** Integrating Implementation and Improvement Science: Using the Interactive Systems Framework to adapt a Hand Hygiene change package for local implementation in a NICU in Ghana. Oral presentation at the 1<sup>st</sup> Africa Forum on Quality and Safety in Healthcare, Durban, South Africa, February 2018.
17. Manyeh, A.K. , Baiden, F., Ibisomi, L., Chirwa, T. & **Ramaswamy, R.** Towards Elimination of Lymphatic Filariasis in Ghana: Refining the Strategy Through Quality Improvement. Poster presentation at the 1<sup>st</sup> Africa Forum on Quality and Safety in Healthcare, Durban, South Africa, February 2018.
18. Eborieme, E.A. , **Ramaswamy, R.**, Nxumalo, N., Eborieme O., Eyles, J. Assessing the implementation of a Plan-Do-Study-Act variant for improving health system bottlenecks in Nigeria. Poster presentation at the 1st Africa Forum on Quality and Safety in Healthcare, Durban, South Africa, February 2018.
19. **Ramaswamy, R.** The intersection of Improvement and Implementation Science: practical ways forward. Oral presentation at the IHI Annual Forum on Quality Improvement in Health Care. Orlando, Florida, December 2017.

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20. Scaccia, J., Alia, K. ,& Wandersman, A & **Ramaswamy, R.** Building the Boat While Sailing: Using Formative Evaluation to Support Program Theory and Implementation in the IHI SCALE Initiative. Oral presentation at the IHI Annual Forum on Quality Improvement in Health Care. Orlando, Florida, December 2017.
21. **Ramaswamy, R.** , Ncayiyana, J., Ibisomi, L., Chirwa, T. , Salisbury, K. & Pettifor, A. Using implementation science to teach implementation science in Africa: The UNC/WITS University Collaboration. Oral presentation at the 10<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation in Health, Washington, DC, December 2017.
22. **Ramaswamy, R.**, Wandersman, A., Scaccia, J., Stout, S. Formative Evaluation of a Complex Community Health Improvement Initiative: Lessons from SCALE. Oral presentation at the American Public Health Association Annual Meeting, Atlanta, GA, November 2017.
23. **Ramaswamy, R.** Building implementation science capacity: Global student projects in implementation science. Oral presentation at Global Implementation Conference, Toronto, Canada, July 2017.
24. Scaccia, J., Alia, K. ,Wandersman, A & **Ramaswamy, R.** Using formative evaluation to improve the 4 keys to success in a quality improvement and intercommunity spread initiative. Oral presentation at Global Implementation Conference, Toronto, Canada, July 2017.
25. Reed, J., **Ramaswamy, R.**, Parry, G., Sax, S. & Kaplan, H. Context Matters: Adapting the Model for Understanding Success in Quality Improvement (MUSIQ) for low and middle-income countries. Oral presentation at the 9<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation in Health, Washington, DC, December 2016.
26. Alia, K., Scaccia, J., Scott, V., **Ramaswamy, R.** & Wandersman, A. Using formative evaluation to improve the quality of a support system for health community coalitions. Oral presentation at the 9<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation in Health, Washington, DC, December 2016.

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27. **Ramaswamy, R.** & Pearson, N. Learning from quality improvement to improve maternal and newborn health care in a low-resource setting: the Jacaranda Health approach. Oral presentation at the 4th Global Symposium on Health Systems Research, Vancouver, British Columbia, November 2016.
28. Roy, B., Riley, C., **Ramaswamy, R.**, Scaccia, J., Reid, A., Parry, G., Stiefel, M. & Stout, S. Leading for outcomes: measurement, evaluation and spread of the 100 million healthier lives initiative. Poster presentation at the American Public Health Association Annual Meeting, Denver, CO, November 2016.
29. Alia, K., Scaccia, J., Scott, V., **Ramaswamy, R.** & Wandersman, A. Building the boat as it is sailing: the role of formative evaluation in complex health initiatives. Oral presentation at Evaluation 2016, the annual conference of the American Evaluation Association, Atlanta, GA, October 2016.
30. **Ramaswamy, R.**, Speizer, I., Lee, D., Karuntzos, G. & Bentley, M. Together we can: Leveraging the UNC/RTI Consortium for Implementation Science to improve global and local health outcomes. Panel presentation at the Triangle Global Health Annual Consortium, Durham, NC, September 2016.
31. Owen, M. D., Floyd, L., Bryce, F., **Ramaswamy, R.**, Pearson, N., Morgan, K. & Srofenyoh, E. K. Implementation of a triage system to reduce wait time and prioritise care for high-risk obstetric patients in a regional hospital in Accra, Ghana. Oral presentation at the 7th Annual Consortium for Universities for Global Health conference, San Francisco, CA, May 2016.
32. **Ramaswamy, R.**, Kallam, B., Srofenyoh, E., & Owen, M. Multi-tiered quality improvement strategy to reduce maternal and neonatal death in complex delivery systems in Ghana. Oral presentation at the 7th Annual Consortium for Universities for Global Health Conference, San Francisco CA, May 2016.
33. **Ramaswamy, R.** & Atkinson, T. Achieving tobacco cessation in facility and community settings in North Carolina. Plenary presentation at the NC Breathe Easy Conference, Raleigh, NC, March 2016.
34. **Ramaswamy, R.** Using the Public Health Quality Aims to prioritize improvement opportunities. Oral presentation at the 27th Annual Forum on Quality Improvement in Healthcare, Orlando, FL, December 2015.



35. **Ramaswamy, R.** Using the Interactive Systems Framework to inform formative evaluation strategies - Advancing implementation and learning during evaluations. Oral presentation at Evaluation 2015, the annual conference of the American Evaluation Association, Chicago, IL, November 2015.
36. **Ramaswamy, R. & Wandersman, A.** Incorporating systematic implementation into quality improvement projects. Oral presentation at the Global Implementation Conference, Dublin, Ireland, May 2015.
37. **Ramaswamy, R.** Methodology for using the public health quality aims for quality. Oral presentation at the American Public Health Association Annual Conference, New Orleans, LA, November 2014.
38. **Ramaswamy, R.** Developing quality measures aligned with the public health quality aims for Leading Health Indicators – a fresh look. Oral presentation at the American Public Health Association Annual Conference, New Orleans, LA, November 2014.
39. **Ramaswamy, R., Farel, A. & Hobbes, S.** Gillings Global Implementation Laboratory – implementation in action. Oral presentation at the American Public Health Association Annual Conference, New Orleans, LA, November 2014.
40. **Ramaswamy, R.** From evidence to practice: harnessing the power of implementation science for mothers and children in Africa. Panel moderator at the Consortium of Universities for Global Health Conference, Boston, MA, May 2014.
41. **Ramaswamy, R, Honore, P., Randolph, G. & Wandersman, A.** Developing quality measures aligned with the public health quality aims for Leading Health Indicators. Oral presentation at the American Public Health Association Annual Conference, Boston, MA, November 2013.
42. **Ramaswamy, R, Lesneski, C., Steinmetz, C, Saik, S. & Atkinson, T.** Systematic design of patient and staff smoking cessation processes at state operated substance abuse facilities in North Carolina. Oral presentation at the American Public Health Association Annual Conference, Boston, MA, November 2013.

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43. George R.B., Bernard A., **Ramaswamy R.**, Gumanga S. & Olufolabi A. Development of a collaborative continuous quality improvement team to improve maternal and newborn health in northern Ghana. Oral presentation at the Society of Obstetric Anesthesia & Perinatology (SOAP) Conference. San Juan, Puerto Rico, 2013.
44. Onuoha O., Srofenyoh E., **Ramaswamy R.**, Ahiapokpor E., Owen M. The effect of resource improvement on the decision-to-delivery and post-anesthesia care unit time intervals in a low-resource setting. Oral presentation at the Society of Obstetric Anesthesia & Perinatology (SOAP) Conference, San Juan, Puerto Rico, 2013.
45. **Ramaswamy, R.**, Lesneski, C. & Steinmetz, C. Implementing a smoking cessation program in alcohol and drug treatment centers: enabling the organization for change. Oral presentation at the Global Implementation Science Conference, Washington, DC, August 2013.
46. **Ramaswamy, R.** Developing indicators of public health quality. Oral presentation at the American Public Health Association Annual Conference, October 2012.
47. **Ramaswamy, R.**, Lesneski, C. & Randolph, G. Redesigning systems to improve organizational performance and health outcomes. Oral presentation at the American Association of Medical Colleges Annual Meeting, Chicago, IL, June 2012.
48. **Ramaswamy, R.** & Runyon, M. . Sustaining learning: experiences with a community of students from a global distance education program at the University of North Carolina. Oral presentation at the 62<sup>nd</sup> International Communication Association Annual Meeting, Phoenix, AZ, May 2012.
49. Bentley, M. & **Ramaswamy, R.** Technology and global capacity building: How does culture affect learning? Oral presentation at the American Association for the Advancement of Science Annual Meeting, Washington, DC, February 2012.
50. **Ramaswamy, R.**, Segal, S. & Harris, J. Developing standard processes for the Iowa Department of Public Health. Oral presentation at the American Public Health Association Annual Conference, Washington, DC, November 2011.

51. **Ramaswamy, R.** & Barker, K. Factors contributing to successful engagement in on-line discussions in a global distance education program for public health professionals. Oral presentation at the American Public Health Association Annual Conference, Denver, CO, November 2010.

## **SELECTED INVITED LECTURES AND WORKSHOPS**

1. Montefiori Center, Albert Einstein Medical College. Invited Grand Rounds on Implementation Science, June 2021
2. Childhood Arthritis and Rheumatology Research Alliance (CARRA). Invited workshop on “Using Theory to Integrate Quality Improvement and Implementation Science”
3. Boston College GRIT seminar. “Theory Based Implementation and Evaluation of Complex Interventions: Experiences from Ghana”, April 2021
4. Cincinnati Children’s Medical Center. Workshops on Implementation Science for Practitioners and Researchers, May 2019.
5. Mahidol University, Bangkok Thailand, Workshop on Implementation Science for the Ministry of Health, March 2018.
6. Mahidol University, Bangkok Thailand. Invited lecture on Implementation Science at the School of Public Health, August 2018
7. Northwestern University, Feinberg School of Medicine. Workshop on Implementation Science, July 2018.
8. University of Cape Town, Cape Town, South Africa. Invited lecture on Implementation Science at the School of Public Health, April 2018
9. Academy Health and Jewish Health Foundation, Washington DC. Invited panelist on workshop on Learning from Each Other: Getting Evaluations of Complex Health Interventions Right. December 2017.
10. Ensign College of Public Health, Kpong, Ghana. Invited lecture on Implementation Science, March 2017.

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11. University of Ibadan, College of Medicine, Ibadan, Nigeria. Invited lecture on Implementation Science to faculty at the Schools of Medicine and Public Health and to representatives from the Ministry of Health, February 2017.
12. Robert Wood Johnson Foundation, Sharing Knowledge to Build a Culture of Health Conference. Invited panel moderator for “Failing forward to create a culture of health” panel. Louisville, KY, February 2017.
13. King’s College, School of Nursing and Midwifery, London, UK. Invited workshop on applied Implementation Science to students in the M.Sc program, and invited lecture to faculty and students the King’s Center for Implementation Science, January 2017.
14. Northwestern University, Feinberg School of Medicine, Department of Surgery, Chicago, IL. Invited seminar titled “Wading through the jungle of Implementation Science frameworks”, Institute of Public Health and Medicine seminar series, January 2017.
15. Institute for Healthcare Improvement Scientific Symposium, Orlando, FL. Invited workshop on simulation models in Improvement Science, December 2016.
16. Mahidol University, Bangkok, Thailand. Two invited lectures to DrPH and MPH students on the application of Implementation and Improvement Science in global health, September 2017.
17. Public Health Foundation of India, New Delhi, India. Invited lecture to MPH students on “Fundamentals of Applied Implementation Science”, September 2016.
18. Center for Addiction and Mental Health, Toronto, Canada. Invited lecture to participants in the Implementation Science Learning Institute on the intersection between Implementation Science and Quality Improvement, June 2016.
19. University of the Witwatersrand, Johannesburg, South Africa. Invited lecture to faculty, staff and students titled “Putting implementation into Implementation Science: Developing methods and tools for applied implementation in global health”, April 2016.

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20. NC Breathe Easy Conference, Raleigh, NC. Invited workshops titled “From evidence to outcomes: Using Implementation Science to adapt knowledge to local practice”, March 2016.
21. Indiana University and Purdue University at Indianapolis, Indianapolis, IN. Invited lecture titled “Fundamentals of applied Implementation Science”, February 2016.
22. Center for Addiction and Mental Health, Toronto, Canada. Invited lecture titled “Improving implementation or implementing improvement?”, October 2015.
23. Public Health Foundation of India, New Delhi, India. Invited lecture to MPH students titled “An integrated approach to strengthening maternal and newborn healthcare capacity in regional hospitals in Ghana”, October 2015.
24. University of the Witwatersrand, Johannesburg, South Africa. Invited lecture titled “Where is the implementation in Implementation Science?”, July 2015.

## TEACHING ACTIVITIES

### COURSES DEVELOPED FOR THE UNIVERSITY OF NORTH CAROLINA

- **PUBH 718 Systems and Design Thinking for Public Health Leaders - online and residential versions (2019)**  
Redesigned version of the global health course focused on the Leadership in Practice concentration for the new residential MPH and for the online MPH@UNC
- **PUBH 718 Designing Systems for Global Health Implementation (2016)**  
Using powerful tools from engineering and management, this online course equips students to conceptualize, design and analyze public health and healthcare delivery systems for successful implementation. The emphasis of the course is on implementation challenges in low-resource settings.
- **PUBH 716 Applied Quality Improvement in Healthcare and Public Health (2014)**  
This online course teaches student skills in planning, testing, implementing and spreading changes for organization improvement. The course follows the Plan-

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Do-Study-Act model (PDSA) to teach students how to conduct an improvement project using a case study and data analysis with “R” software.

- **PUBH 717 Gillings Global Implementation Lab (2014)**

Offered in conjunction with PUBH 716, this course trains students to apply their QI learning to field settings. Student teams partner with UNC faculty and local and global field members to improve public health delivery in field settings. Requires 2-4 weeks of field visit time.

- **PUBH 711 Critical Issues in Global Health (2009)**

This online course explores contemporary issues and controversies in global health through an interdisciplinary perspective and examines the complex tapestry of social, economic, political and environmental factors affecting global health.

### **COURSES DEVELOPED FOR IUPUI, INDIANA**

- **H762 The Science of Global Health Implementation (2019)**

This course in the DrPH program provides an overview of the core theories and methods in implementation research and practice. Through individual and group assignments, students apply these principles to their own areas of interest and to implementation problems in global public health.

### **COURSES DEVELOPED FOR THE UNIVERSITY OF THE WITSWATERSRAND, JOHANNESBURG, SOUTH AFRICA**

- **COMH 7261 Implementation Science 2 (2016)**

This course follows the Plan-Do-Study-Act model (PDSA) to teach students how to conduct an improvement project using a case study.

- **COMH 7160 Implementation Science 1 (2015)**

This course provides skills demonstrating how proven and affordable interventions in sub-Saharan Africa can be implemented to improve health outcomes in the region.

### **COURSES TAUGHT AT THE UNIVERSITY OF NORTH CAROLINA**

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<b>Semester</b>	<b>Course</b>	<b>Number of Students</b>
Fall 2019	Designing Systems for Global Health Implementation	12
Spring 2019	Applied Quality Improvement for Healthcare and Public Health	15
Fall 2018	Designing Systems for Global Health Implementation	6
Spring 2018	Applied Quality Improvement for Healthcare and Public Health	20
Fall 2017	Designing Systems for Global Health Implementation	8
Spring 2017	Applied Quality Improvement for Healthcare and Public Health	24
Fall 2016	Designing Systems for Global Health Implementation	8
Spring 2016	Monitoring and Evaluation of Global Health Programs	6
Fall 2015	Critical Issues in Global Health	30
Summer 2015	Monitoring and Evaluation of Global Health Programs	25
Spring 2015	Applied Quality Improvement for Healthcare and Public Health	30
Fall 2014	Critical issues in Global Health	27
Summer 2014	Monitoring and Evaluation of Global Health Programs	20
Spring 2014	Applied Quality Improvement for Healthcare and Public Health	10
Fall 2013	Critical Issues in Global Health	25
Summer 2013	Monitoring and Evaluation of Global Health Programs	20
Fall 2012	Critical Issues in Global Health	22
Fall 2011	Critical Issues in Global Health	24
Fall 2010	Critical Issues in Global Health	25
Fall 2009	Critical Issues in Global Health	22

**COURSES TAUGHT AT IUPUI**

Semester	Course	Number of Students
Summer 2019	The Science of Global Health Implementation	11

**COURSES TAUGHT AT THE UNIVERSITY OF THE WITSWATERSRAND, JOHANNESBURG, SOUTH AFRICA**

Semester	Course	Number of Students
April 2018	Implementation Science 1	52
April 2017	Implementation Science 2	20
April 2016	Implementation Science 1	18
April 2016	Implementation Science 2	15
April 2015	Implementation Science 1	12

**MENTORSHIPS AND STUDENT SUPERVISION****JUNIOR FACULTY MENTORED**

1. Dr. Karine Dube, Research Assistant Professor. Public Health Leadership Program onboarding mentor. January 2017 to present.
2. Dr. Jabulani Ncayiyana, Senior Lecturer. University of Cape Town. Research mentor. January 2015 to present.
3. Dr. Anant Kumar, Faculty member at Xavier's Institute of Social Sciences, Ranchi, India. Dr. Kumar visited UNC from September 2015 to May 2016 as a Fulbright Scholar. Under mentorship, Dr. Kumar worked on a paper entitled Use of Mobile, Internet Technology and Social Media in Promoting Community Public Health in India. The paper is under revision for submission to the Journal of Community Informatics. 2015 to 2016.

**POST DOCTORAL ASSOICATES MENTORED**



Dr. Michael Fisher, Post-doctoral Associate, UNC Water Institute. Worked with Dr. Fisher to build the WaSH CQI course and trained him to teach this course in Ghana, Ethiopia and Burkina Faso. 2014 to 2016.

## **DOCTORAL STUDENTS SUPERVISED**

### **Completed Dissertations**

1. Marya Plotkin. Doppler to improve intrapartum care in Tanzania. Does it reduce perinatal mortality? What does it cost? What are barriers and facilitators to scale it up? DrPH dissertation. Department of Health Policy and Management, UNC. Defended October 2019.
1. Hanna Tesfasyone. Innovative approach to improve HIV positive youth's linkage to medical care among three dyadic HIV service delivery partnerships in Los Angeles, New Orleans, and New York. DrPH dissertation. Department of Health Policy and Management, UNC. Defended October 2018.
2. Tamara Atkinson. Staff perception and patient intent to quit tobacco: applied implementation of evidence-based practices in behavioral healthcare. Doctor of Health Administration dissertation, Medical University of South Carolina. Defended November 2017.
3. Hataya Petcharoen, Capacity building of local administrative organization on childcare center management using participatory approach. DrPh dissertation, Mahidol University, Thailand. Defended April 2016.
4. Amy Rankin-Williams. How can HIV testing rates in rural, southern Malawi be increased? DrPH dissertation, Department of Health Policy and Management, UNC. Defended March 2016.
5. Kerry Bruce. Use of mobile technology for monitoring and evaluation in international health and development programs. DrPH dissertation, Department of Health Policy and Management, UNC. Defended 2013.

### **Dissertations In Progress**

1. Oscar Fleming. How can implementation teams support improved implementation processes and outcomes in the context of complex, collective efforts to promote child wellbeing and prevent maltreatment? DrPH dissertation. Department of Health Policy and Management, UNC. Anticipated completion July 2020.

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2. Alfred Kwesi Manyeh. Towards elimination of lymphatic filariasis in Ghana: refining the strategy through quality improvement. PhD dissertation. Department of Epidemiology and Biostatistics, The University of the Witwatersrand, Johannesburg, South Africa. Anticipated completion 2020.

**PRE-DOCTORAL CLINICAL INTERNSHIPS SUPERVISED**

1. Kassy Alia. Department of Community Psychology, University of South Carolina. Completed May 2018.
2. Brittany Cook. Department of Community Psychology, University of South Carolina. Anticipated completion May 2019.

**UNC MASTERS PAPERS SUPERVISED**

## 2020

1. Paraneedharan Ramachandran. Developing a Private Sector Public Health Program for Uganda for GHSA activities.
2. Dr. Tanvi Shah. An Analysis Of The Role Of Triage Champions In An Obstetric Triage Implementation Program In Ghana
3. Dr. Vorapat Vorapanya. The Utilization Of Mobile Technology Platforms As Remote Support Strategies In Delivering Healthcare Services In Low Resource Settings.

## 2019

4. Anshula Nathan. U=U Implementation in Rural North Carolina: Lessons Learned from Successful Health Promotion and Education Campaigns
5. Ashley Weinberger. Comparing Cervical Cancer Prevention in Three Countries: Identifying Common and Context Specific Barrier
6. Dr. Andrew Ovenden. Developing A Crisis And Emergency Risk Communications Plan: A Formative Evaluation Of The Durham County, North Carolina Emergency Communications Program.

## 2018

7. Ashley Labat. Measuring Progressive Realization of Sustainable Development Goal 6: A Review of Implementation Outcomes for Improvement
8. Susie Shi. Effects of Dietary Nitrate Supplementation on Blood Pressure Reduction: A Systematic Review and Meta-Analysis
9. Dr. Joe Mosnier. Building Capacity for Public Health 3.0: Introducing Implementation Science into an MPH Curriculum.

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10. Dr. Ebehiwele Ebhohon. Utilization of the Modified Tanahashi Model for Assessing Universal Effective Health Coverage: The Nigeria Bottleneck Instrument and its' Implications for Planning.
11. Dr. David Garcia. Community-Based Surveillance of Antimicrobial Use and Antibiotic Resistance in Manhiça, Mozambique.
12. Joanna Marroquin. Addressing Mental Health Stigma in Hispanic Adolescents.

## 2017

13. Dr. Eva Lorenz. How useful are patient portals for hospitals in rural areas?
14. Dr. Kiran Khan. Reducing the burden of cardiovascular disease and its risk factors in the Navajo population through food stores in the Navajo nation.
15. Dr. Al-Mounawara Yaya. Reducing under 5 childhood mortality using eIMCI: implementation approaches in the case of Nigeria.
16. Dr. David Steeb. Defining opportunities for pharmacists in global public health in low resource countries.

## 2016

17. Dr. Mahendra Katta. Public health leadership failure at Flint.
18. Rachel Nelson. Assessment of maternal and neonatal health facility and service preparedness at tertiary hospitals in Ghana.
19. Dr. Ashini Fernando. A guidance document to assess quality of self-pregnancy tests.
20. Dr. Michael Fischer. Mental distress of women in Southwest Uganda: exposure and measurement.
21. Dr. Marie Lina Excellent. Policy and practice implications of addressing antimicrobial resistance in Haiti.
22. Leah Stansberry. Planning for the implementation of golden rice as a solution for Vitamin A deficiency: recommendations for India.
23. Dr. Rabiga Khozamkul. Using mHealth tools to promote oral health among women living in poverty in Peru: a program plan.

## 2015

24. Andrea Halverson. Unmet need for family planning services among women living with and vulnerable to HIV in Côte d'Ivoire: implications for programmatic priorities.
25. Celia Jewell. Policy considerations for the development and integration of Community Health Workers in North Carolina.

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26. Katie McNabb. Shifting the paradigm of nutrition metrics: A proposed program plan to address child undernutrition and generate demand in low and middle-income countries.
27. Manish Kumar. Integrated health system architecture to facilitate national and statewide public health monitoring: a case study based in India.
28. Joel Jennings. Effect of the 2006 Army hearing readiness policy.
29. Ed Haugh. Challenges for scaling up mental health through the primary health care system in the state of Madhya Pradesh, India.
30. Dr. Tekleab Woldekiros (Maternal and Child Health Department). Successes and challenges of the Ethiopian health extension program from the implementation perspective.

### 2014

31. Bianca Patel. General attitudes towards and barriers to integrating tobacco interventions into substance abuse facilities: a study of RJ Blackley in Butner, North Carolina.

### 2013

32. Arti Ajmani. Understanding community awareness, discrimination and stigma associated with mental health in lower and middle-income countries: a systematic literature review with a case study from India.
33. Cecilee Steinmetz. Using systematic implementation methods to improve public health delivery: a smoking cessation case study.

### **MASTERS LEVEL STUDENT THESES SUPERVISED AT THE UNIVERSITY OF THE WITSWATERSRAND, JOHANNESBURG, SOUTH AFRICA**

1. Heather Fraser (South Africa)
2. Dr. Abdu Adamu (Nigeria)
3. Dr. Oluyinka Dania (Nigeria)
4. James Simukoko (Zambia)
5. Lorraine Malepo (South Africa)
6. Dr. Desire Habonimana (Burundi)

### **CONTRACTS AND GRANTS**

### **FUTURE RESEARCH SUPPORT**

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[TBD] (Carter-Edwards) 07/01/2020 – 06/30/2021  
0.6 calendar months \$100,000

**Gillings School of Global Public Health****Leveraging Rural, Black Faith-Based Social Connections to Optimize COVID-19 Rapid Risk Communication Readiness****Role: Implementation Science Lead**

Developing risk communication strategies through channels that virtually replicate the characteristics of the social networks of black faith based communities.

[TBD] (Ramaswamy) 07/01/2020 – 06/30/2024  
1.8 calendar months \$200,000

**Children's International Foundation Fund****Beyond MEBCI****Role: Principal Investigator**

Developing system strengthening interventions to reduce neonatal mortality in tertiary hospitals in Ghana.

**ONGOING RESEARCH SUPPORT**

[D43TW009774] (Pettifor/Ramaswamy) 04/01/2019 – 03/31/2024  
1.8 calendar months \$298,396

**National Institute of Health Fogarty Center****Wits-UNC Partnership: Expanding Capacity in HIV Implementation Science in South Africa****Role: Co-Principal Investigator**

The University of North Carolina Schools of Medicine and Public Health are developing an Implementation Research graduate training program in collaboration with the University of the Witswatersrand in Johannesburg, South Africa

[IPF #16-5681] (Ramaswamy) 08/01/2017-07/31/2022  
2.16 calendar months \$175,000

**National Institute of Health****Enabling Translation of Science to Service to Enhance Depression Care****Role: Principal Investigator**

Testing implementation strategies for the scale up of mental health interventions provided through the primary health care system in Madhya Pradesh, India.

**COMPLETED RESEARCH SUPPORT**

[505910] (Ramaswamy) 09/01/2013-08/31/2019  
1.2 calendar months \$125,000

**Children's International Foundation Fund****Establishing Centers of Excellence for Newborn Care in Ghana****Role: Principal Investigator**

Development of a Quality Improvement (QI) program to reduce maternal and neonatal mortalities and stillbirths in regional hospitals in Ghana. The grant provides training for QI leaders and front line staff in QI principles, identifies system and operational issues affecting the quality of care, and provides mentorship to QI staff to launch and implement improvement projects to address these issues.

[IPF 17-5306](Ramaswamy) 05/01/2017-07/31/2019  
2.4 calendar months \$136,456

**Robert Wood Johnson Foundation****Evaluation 2.0 : Summative Evaluation of SCALE 2.0****Role: Principal Investigator**

Summative evaluation and assessment of community readiness and capability for the next set of communities participating in the SCALE project.

[5110538] (Ramaswamy) 07/01/2018-06/30/2019  
1.8 calendar months \$149,392

**NC State Divison of Social Services****Triple-P Strategic Planning****Role: Strategic Planning Facilitator**

Supporting the divisions of Public Health, Social Services, Mental Health and Juvenile Justice in the development of a strategic plan to scale up and sustain the Positive Parenting Program in North Carolina.

[D43TW009774] (Van der Horst) 06/01/2014 – 02/31/2019  
1.2 calendar months \$290,598

**National Institute of Health Fogarty Center****University of North Carolina/University of the Witswatersrand AIDS Implementation Research and Cohort Analyses Training Grant****Role: Implementation Science Lead**

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The University of North Carolina Schools of Medicine and Public Health are developing an Implementation Research graduate training program in collaboration with the University of the Witwatersrand in Johannesburg, South Africa.

[803308] (Ramaswamy) 01/01/2018-06/30/2018  
2.4 calendar months \$38,900

**NC State Divison of Social Services**

**Triple-P Strategic Planning**

**Role: Strategic Planning Facilitator**

Supporting the divisions of Public Health, Social Services, Mental Health and Juvenile Justice in the development of a strategic plan to scale up and sustain the Positive Parenting Program in North Carolina.

[1E25TW009708-01] (Chi) 05/01/2015-04/30/2018  
1.2 calendar months \$107,362

**National Institute of Health Fogarty Center**

**The CIDRZ-UNZA eLearning Platform for Research and Training.**

**Role: e-Learning Lead**

The University of North Carolina Schools of Medicine and Public Health in collaboration with the University of Zambia (UNZA) are developing an online public health informatics course for Zambian public health professionals. This course will teach Zambian professionals statistical programming using SAS, data management, basic biostatistics, and the principles of research design to enable these professionals to conduct and support epidemiologic research. The ten-week course was offered in May 2017. It was followed by a twelve-week practical component in which the students will be mentored in implementing new skills in their individual projects.

[IPF 16-1987] (Ramaswamy) 01/15/2017-04/14/2017  
1.2 calendar months \$10,000

**Robert Wood Johnson Foundation (bridge award)**

**Formative evaluation of the SCALE initiative**

**Role: Evaluation Co-lead**

Conducting formative evaluation of selected communities participating in a health improvement initiative. The formative evaluation occurs during each community's implementation of their improvement efforts and assesses the extent to which the tools are being used, how the community members interact with their coaches and mentors, and how this interaction affects progress for their projects. The evaluator information will be fed back to the individual communities to help them enhance their progress. It

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will also be disseminated more broadly as guidelines for proactive community health improvement practice.

[IPF 16-1987] (Ramaswamy) 01/15/2015-01/14/2017

1.2 calendar months

**Robert Wood Johnson Foundation**

**Formative evaluation of the SCALE initiative**

**Role: UNC Evaluation Lead**

Formative evaluation of communities participating in a health improvement initiative.

[A12-1088-006](Stringer) 02/01/2012–06/30/2015

**Doris Duke Foundation**

**Clinical Mentoring and Community Engagement to Improve Millennium Development Goals Health Outcomes in Lusaka Province of Zambia**

**Role: Co-Investigator**

Quality improvement methods to enhance primary care quality.

[A12-1311-001](Bartram) 07/01/2012-06/30/2015

**Conrad N. Hilton Foundation**

**Monitoring and Evaluation of the Conrad N. Hilton Foundation Water, Sanitation and Hygiene Initiative**

**Role: Continuous Quality Improvement Lead**

Development of indicators, surveys, research design and learning feedback loops for grantees of the Hilton Foundation.

[A13-0942-001](Ramaswamy) 02/01/2012-02/01/2014

**Pfizer Health Foundation**

**Tobacco Prevention and Control Collaborative**

**Role: Principal Investigator**

Implementation science methodology used to design and evaluate a tobacco cessation program at the Alcohol and Drug Treatment Center (ADATC) in North Carolina.

[No Number] (Ramaswamy) 02/01/2009-07/31/2012

**Gillings School of Global Public Health Research and Innovations Solutions**

**Global Learning Program**

**Role: Principal Investigator**

Developed an online program to build the skills of field-based public health practitioners worldwide.



**EDITORIAL ACTIVITIES****Associate Editor**

BMC Public Health

2010 to present

Implementation Science Communications

2019 to present

**Peer Reviewer**

- BMC Health Services Research
- International Journal for Quality in Healthcare
- BMJ Quality and Safety
- Implementation Science
- Health Policy and Planning
- AIDS
- PLoS One
- International Journal of Health Policy and Management