

## BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
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NAME Dawn P. Misra	POSITION TITLE Associate Professor		
eRA COMMONS USER NAME dmisra			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Johns Hopkins University	BA	1988	Social & Behav Science
Johns Hopkins University	MHS	1989	Maternal & Child Health
Columbia University	PhD	1993	Epidemiology

### A. Positions and Honors

#### Positions and Employment

1989 - 1990 Graduate Research Assistant, Sergievsky Center, Columbia University.

1990 - 1992 Graduate Research Assistant, Division of Medicine, Columbia University.

1992 - 1993 Graduate Research Assistant, Sergievsky Center, Columbia University.

1993 - 1994 Visiting Assistant Professor, Dept. of Community Health & Social Medicine, City University of New York Medical School.

1993 - 1995 Project Director, Harlem Center for Health Promotion and Disease Prevention, Harlem Hospital and Columbia University.

1995 – 2001 Assistant Professor, Department of Population and Family Health Sciences with joint appointment in Department of Epidemiology, Johns Hopkins University School of Hygiene and Public Health.

2001 – 2008 Associate Professor, Department of Health Behavior and Health Education, University of Michigan School of Public Health.

2003 - 2007 Director, Interdepartmental Concentration in Reproductive and Women's Health, University of Michigan School of Public Health.

2008 – present Director and Associate Professor, Division of Epidemiology and Biostatistics, Department of Family Medicine and Public Health Sciences, Wayne State University School of Medicine.

#### Other Experience and Professional Memberships

2008-2015 March of Dimes, Advisory Committee, 2008-2015.

2008 Ad hoc NIH Study Section (NICHD-PEDS), 2008.

2008 Workgroup Chair, Surgeon General's Conference on Prevention of Preterm Birth

2004-2007 Secretary, Society for Pediatric and Perinatal Epidemiology

2004 -2008 Chair, External Scientific Advisory Board for the Central Pennsylvania Center of Excellence for Research on Pregnancy Outcomes.

2007 - Member, Scientific Advisory Board, Tennessee Connections for Better Birth Outcomes

1995-2001 Core faculty, JHU Women's and Children's Health Policy Center

1997-2000 Member, Maryland Commission on Infant Mortality Prevention, African-American/White Infant Mortality Gap Expert Panel

1994- Member, American Public Health Association

1993- Member, Society for Pediatric and Perinatal Epidemiology

### B. Selected peer-reviewed publications (in chronological order).

1. Grason, H, Misra, DP. (In press.) Reducing Exposure to Environmental Toxicants Before Birth: Moving from Risk Perception to Risk Reduction. *Public Health Reports*.

2. Salafia, CM, Misra, DP, Yampolsky, M, Charles, AK, Miller, RK. (In press.) Allosteric metabolic scaling and fetal and placental weight. *Placenta*.
3. Weisman, CS, Hillemeier, MM, Chase, GA, Misra, DP, Dyer, A-M. (2008). Women's perceived control of their birth outcomes in the Central Pennsylvania Women's Health Study (CePAWHS): Implications for the use of preconception care. *Women's Health Issues*. 18: 17-25. PMID: 17951072
4. Trabert, B, Misra, DP. (2007). Effects of vaginal douching on risk of bacterial vaginosis in pregnancy. *American Journal of Obstetrics and Gynecology*. 197(5): 477.e1-e8. PMID: 17980180
5. Misra, DP and Trabert, B. (2007). Protective effects of vaginal douching on risk of preterm birth. *American Journal Obstetrics and Gynecology*. 196: 140.e1-140.e8. PMID: 17306656
6. Misra, DP. (2006). Addressing racial disparities in perinatal health: Application of a multiple determinants perinatal framework with a lifespan approach. *Harvard Health Policy Review*. 7(1): 72-90.
7. Kannan, S, Misra, D, Dvonch, JT, Krishnakumar, A, Meeker, J. (2006). Exposure to airborne particulate matter and perinatal outcomes: A biologically plausible mechanistic framework for exploring potential effect modification by maternal nutrition. *Environmental Health Perspectives*. 114: 1636-1642. PMID: 17107846
8. Astone, N., Misra, D.P., Lynch, C. (2007). The effect of maternal socioeconomic status throughout the lifespan on infant birth weight. *Paediatric and Perinatal Epidemiology*. 21: 310-318. PMID: 17564587
9. Misra, D.P., Trabert, B., Atherly-Trim, S. (2006). Variation and predictors of vaginal douching practices. *Women's Health Issues*. 16: 275-282. PMID: 17055380
10. Misra, D.P., Grason, H. (2006). Application of the perinatal framework to maternal morbidity and mortality: A roadmap to "safe motherhood" for the U.S. *Women's Health Issues*. 16: 159-175. PMID: 16920521
11. Misra, D.P., Astone, N., Lynch, C.D. (2005). Maternal smoking and birth weight: Interaction with parity and mother's own in utero exposure to smoking. *Epidemiology*. 16(3): 288-293. PMID: 15824542
12. Misra, D.P., Grason, H., Liao, M., Strobino, D.M., McDonnell, K.A., and Allston, A. (2004). The nationwide evaluation of Fetal and Infant Mortality Review (FIMR) programs: Development and implementation of recommendations and conduct of essential maternal and child health services by FIMR programs. *Maternal and Child Health Journal*. 8(4): 217-229. PMID: 15623144
13. Strobino, D.S., Misra, D.P., and Grason, H. (2004) The FIMR Evaluation: Objective, Concepts, Frameworks and Methods. *Maternal and Child Health Journal*. 8(4): 205-215. PMID: 15623143
14. Strobino, D.S., Baldwin, K., Grason, H., Misra, D.P., McDonnell, K., Liao, M. and Allston, A.A. (2004). The relation of FIMR programs and Other Perinatal Systems Initiatives with Maternal and Child Health Activities in the Community. *Maternal and Child Health Journal*. 8(4): 239-249. PMID: 15623146
15. McDonnell, K.A., Strobino, D.M., Baldwin, K., Grason, H., and Misra, D.P. (2004). Comparison of FIMR programs with other perinatal systems initiatives. *Maternal and Child Health Journal*. 8(4): 231-238. PMID: 15623145
16. Maisonet, M., Jaakoola, J., Misra, D., Correa-Villasenor, A. (2004). A Review of the Literature on the Effects of Ambient Air Pollution on Fetal Growth. *Environmental Research*. 95: 106-115. PMID: 15068936
17. Boskey, E.R., Atherly-Trim, S.A., O'Campo, P.J., Strobino, D.M., Misra, D.P. (2004). Acceptability of a self-sampling technique to collect vaginal smears for Gram stain diagnosis of bacterial vaginosis. *Women's Health Issues*. 14: 14-18. PMID: 15001184

18. Misra, D.P., Guyer, B., Allston, A. (2003). Integrated perinatal health framework: A multiple determinants model with a lifespan approach. *American Journal of Preventive Medicine*. 25: 65-75. PMID: 12818312 [
19. Misra, D.P. and Ananth, C.V. (2002). Infant mortality among singletons and twins in the United States during 2 decades. *Pediatrics*. 110:1163-1168. PMID: 12456914
20. Ananth, C.V., Misra, D.P., Demissie, K., and Smulian, J.C. (2001). Rates of preterm delivery among Black and White women in the U.S. over two decades: An age-period-cohort analysis. *American Journal of Epidemiology*. 154: 657-665. PMID: 11581100
21. Misra, D.P., O'Campo, P., Strobino, D. (2001). Testing a sociomedical model for preterm delivery. *Paediatric and Perinatal Epidemiology*. 15(2): 110-122. PMID: 11383575
22. Misra, D.P., Grason, H., Weisman, C. (2000). An intersection of women's and perinatal health: The role of chronic conditions. *Women's Health Issues*. 10(5): 256-267. PMID: 10980443
23. Grason, H. and Misra, D.P. (1999). Assessment of Healthy Start Fetal/Infant Mortality Review Recommendations. *Maternal and Child Health Journal*. 3(3):151-159. PMID: 10746754
24. Misra, D.P. and Nguyen, H.N. (1999). Environmental tobacco smoke and low birth weight: A hazard in the workplace? *Environmental Health Perspectives*. 107 (Suppl 6): 897-904. PMID: 10592147
25. Misra, D.P. and Ananth, C.V. (1999). Risk factor profiles of placental abruption in first and second pregnancies: Heterogeneous etiologies. *Journal of Clinical Epidemiology* 52: 453-461. PMID: 10360341
26. Misra, D.P. and Guyer, B. (1998). Benefits and limitations of prenatal care. From counting visits to measuring content. *Journal of the American Medical Association*. 279: 1661-1662. PMID: 9613919
27. Misra, D.P., Strobino, D.S., Stashinko, E.E., Nagey, D.A., Nanda, J. (1998). Effects of physical activity on preterm birth. *American Journal of Epidemiology*. 147: 628-635. PMID: 9554601
28. Misra, D.P. and Kiely, J. L. (1997). The association between nulliparity and gestational hypertension. *Journal of Clinical Epidemiology*. 50: 851-855. PMID: 9253398
29. Bienstock, J.L., Wang, E., Presser, D., Blakemore, K.J., Misra, D.P., Pressman, E.K. (1997). Managed care does not lower costs but may result in poor outcomes for patients with gestational diabetes. *American Journal of Obstetrics and Gynecology*. 177: 1035-1037. PMID: 9396888
30. Misra, D. P. (1996). The effect of pregnancy-induced hypertension on fetal growth: A review of the literature. *Paediatric and Perinatal Epidemiology*. 10: 243-263. PMID: 8822768
31. Misra, D. P. and Kiely, J. L. (1995). The effect of smoking on the risk of gestational hypertension. *Early Human Development*. 40: 95-107. PMID: 7750444
32. Shea, S., Misra, D. and Francis, C. K. (1992). Predisposing factors for severe, uncontrolled hypertension in an inner-city minority population. *New England Journal of Medicine*. 327: 776-781. PMID: 1501654
33. Shea, S., Misra, D., Ehrlich, M. H., Field, L. and Francis, C. K. (1992). Correlates of nonadherence to hypertension treatment in an inner-city minority population. *American Journal of Public Health*. 82: 1607-1612. PMID: 1456334
34. Hatch, M. C., Misra, D., Kabat, G. C. and Kartzmer, S. (1991). Proxy respondents in reproductive research: A comparison of self- and partner-reported data. *American Journal of Epidemiology*. 133 (3): 826-831. PMID: 2021150

## C. Research Support

### Active Research Support

1R01HD058510-01 Misra (PI) 12/01/08-11/30/13

NIH/NICHD

Impact of Racism on Risk of Preterm Birth in Black Women

The primary objective of this work is to determine whether and how risk of preterm birth relates to racism.

Role: PI

### Completed Research Support

Misra (PI) 09/01/06-08/30/08

Michigan Interdisciplinary Center on Social Inequalities, Mind and Body (NIH)

The Contribution of Fathers to Birth Outcomes

This study will examine the contributions of fathers as support or obstacles to potential successful birth outcomes among African American women using both quantitative and qualitative methodologies.

Role: PI

1 R01HD38098 Misra (PI) 08/01/00-07/31/06 (no cost extension)

NIH/NICHD

How Social Factors Influence Preterm Birth

The major goal of this project is to identify biological, psychological, and social determinants of preterm delivery among African-American women.

Role: PI

1 R01HD38098S Misra (PI) 0/01/02-07/31/04

NIH/NICHD

How Social Factors Influence Preterm Birth, Minority Doctoral Student Supplement

The major goal of the supplement is to provide support for a minority doctoral student.

Role: PI

CDC Prevention Research Center – Flint, M. Zimmerman (PI) 09/29/04-9/30/09

CDC 09/29/04-09/28/06

The support was provided for Dr. Misra to assist in the evaluation of one of the Flint PRC projects, specifically the REACH project that is focused on undoing racism and infant mortality.

Role: Investigator

Flint REACH 2010, R. Pestronk (PI), Genessee County HD 09/29/04-09/30/06.

CDC 09/29/04-09/28/06

The support was provided for Dr. Misra to assist in the evaluation of one of the Flint PRC projects, specifically the REACH project that is focused on undoing racism and infant mortality.

Role: Investigator