

# Stanford

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## Gary M. Shaw

NICU Nurses Professor and Professor (Research), by courtesy, of Health Research and Policy (Epidemiology) and of Obstetrics and Gynecology (Maternal Fetal Medicine) Pediatrics - Neonatal and Developmental Medicine

### Bio

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#### BIO

Research interests include; epidemiology of birth defects; gene-environment approaches to perinatal outcomes; and nutrition and reproductive outcomes. I currently serve as Co-PI of the March of Dimes Prematurity Research Center at Stanford, PI of the California Center Finding Causes and Preventives of Birth Defects, and formerly a PI for UC Berkeley/Stanford Children's Environmental Health Center.

#### ACADEMIC APPOINTMENTS

- Professor (Research), Pediatrics - Neonatal and Developmental Medicine
- Professor (Research) (By courtesy), Health Research & Policy
- Professor (Research) (By courtesy), Obstetrics & Gynecology - Maternal Fetal Medicine
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

#### ADMINISTRATIVE APPOINTMENTS

- Chair, Committee on Graduate Studies, Stanford University, (2018- present)
- Associate Chair Clinical Research, Dept of Pediatrics, (2012- present)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Associate Editor, Am J Med Genetics (2008 - present)
- Associate Editor, Birth Defects Res A (2005 - present)

#### PROFESSIONAL EDUCATION

- DrPH, UC Berkeley , Epidemiology (1986)

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Primary research interests include 1) epidemiology of birth defects, 2) gene-environment approaches to perinatal outcomes, and 3) nutrition and reproductive outcomes.

### Teaching

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#### STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Kari Weber

**Master's Program Advisor**

Gregory Goldstein

**Publications**

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**PUBLICATIONS**

- **Early transpyloric vs gastric feeding in preterm infants: a retrospective cohort study** *JOURNAL OF PERINATOLOGY*  
Wallenstein, M. B., Brooks, C., Kline, T. A., Beck, R. Q., Yang, W., Shaw, G. M., Stevenson, D. K.  
2019; 39 (6): 837–41
- **Accumulation of rare coding variants in genes implicated in risk of human cleft lip with or without cleft palate.** *American journal of medical genetics. Part A*  
Marini, N. J., Asrani, K., Yang, W., Rine, J., Shaw, G. M.  
2019
- **Substantial Cardiovascular Morbidity in Adults With Lower-Complexity Congenital Heart Disease** *CIRCULATION*  
Saha, P., Potiny, P., Rigdon, J., Morello, M., Tcheandjieu, C., Romfh, A., Fernandes, S. M., McElhinney, D. B., Bernstein, D., Lui, G. K., Shaw, G. M., Ingelsson, E., Priest, et al  
2019; 139 (16): 1889–99
- **Early transpyloric vs gastric feeding in preterm infants: a retrospective cohort study.** *Journal of perinatology : official journal of the California Perinatal Association*  
Wallenstein, M. B., Brooks, C., Kline, T. A., Beck, R. Q., Yang, W., Shaw, G. M., Stevenson, D. K.  
2019
- **Maternal genetic markers for risk of celiac disease and their potential association with neural tube defects in offspring.** *Molecular genetics & genomic medicine*  
Hoang, T. T., Lei, Y., Mitchell, L. E., Sharma, S. V., Swartz, M. D., Waller, D. K., Finnell, R. H., Benjamin, R. H., Browne, M. L., Canfield, M. A., Lupo, P. J., McKenzie, P., Shaw, et al  
2019: e688
- **Variants identified in PTK7 associated with neural tube defects** *MOLECULAR GENETICS & GENOMIC MEDICINE*  
Lei, Y., Kim, S., Chen, Z., Cao, X., Zhu, H., Yang, W., Shaw, G. M., Zheng, Y., Zhang, T., Wang, H., Finnell, R. H.  
2019; 7 (4)
- **Stillbirth and Live Birth at Periviable Gestational Age: A Comparison of Prevalence and Risk Factors** *AMERICAN JOURNAL OF PERINATOLOGY*  
Carmichael, S. L., Blumenfeld, Y. J., Mayo, J. A., Profit, J., Shaw, G. M., Hintz, S. R., Stevenson, D. K.  
2019; 36 (5): 537–44
- **A pilot study showing a stronger H1N1 influenza vaccination response during pregnancy in women who subsequently deliver preterm** *JOURNAL OF REPRODUCTIVE IMMUNOLOGY*  
Andorf, S., Bhattacharya, S., Gaudilliere, B., Shaw, G. M., Stevenson, D. K., Butte, A. J., Sirota, M.  
2019; 132: 16–20
- **Risk factors associated with the development of double-inlet ventricle congenital heart disease.** *Birth defects research*  
Paige, S. L., Yang, W., Priest, J. R., Botto, L. D., Shaw, G. M., Collins, R. T., National Birth Defects Prevention Study  
2019
- **Sociodemographic, health behavioral, and clinical risk factors for anotia/microtia in a population-based case-control study.** *International journal of pediatric otorhinolaryngology*  
Ryan, M. A., Olshan, A. F., Canfield, M. A., Hoyt, A. T., Scheuerle, A. E., Carmichael, S. L., Shaw, G. M., Werler, M. M., Fisher, S. C., Desrosiers, T. A., National Birth Defects Prevention Study  
2019; 122: 18–26
- **Women's periconceptional lowered carbohydrate intake and NTD-affected pregnancy risk in the era of prefortification with folic acid** *BIRTH DEFECTS RESEARCH*  
Shaw, G. M., Yang, W.  
2019; 111 (5): 248–53

- **Epigenomic profiling of newborns with isolated orofacial clefts reveals widespread DNA methylation changes and implicates metastable epiallele regions in disease risk.** *Epigenetics*  
Gonseth, S., Shaw, G. M., Roy, R., Segal, M. R., Asrani, K., Rine, J., Wiemels, J., Marini, N. J.  
2019; 1–16
- **NEUROCOGNITIVE DEFICITS IN ADULT CONGENITAL HEART DISEASE: DOES CORONARY ARTERY DISEASE ADD INSULT TO INJURY?**  
Morello, M. L., Beidelman, M., Saha, P., Ingelsson, E., Shaw, G., Lui, G., Priest, J.  
ELSEVIER SCIENCE INC.2019: 566
- **Prenatal exposure to air pollution, maternal diabetes and preterm birth** *ENVIRONMENTAL RESEARCH*  
Padula, A. M., Yang, W., Lurmann, F. W., Balmes, J., Hammond, S., Shaw, G. M.  
2019; 170: 160–67
- **Preeclampsia and Preterm Birth Risk in Women Receiving Dialysis During Pregnancy: A Population-Based Cohort Study.**  
Do, S. C., O'Shaughnessy, M. M., Mayo, J., Girsan, A. I., Shaw, G. M., Stevenson, D. K., Druzin, M. L.  
SAGE PUBLICATIONS INC.2019: 178A–179A
- **Data-Driven Queries between Medications and Spontaneous Preterm Birth among 2.5 Million Pregnancies: Association with Genital Herpes and Antiviral Drugs.**  
Maric, I., Borisenko, E., Winn, V. D., Weber, K. A., Wong, R. J., Aziz, N., Blumenfeld, Y. J., El-Sayed, Y. Y., Stevenson, D. K., Shaw, G. M.  
SAGE PUBLICATIONS INC.2019: 389A
- **Parental age and stillbirth: a population-based cohort of nearly 10 million California deliveries from 1991 to 2011** *ANNALS OF EPIDEMIOLOGY*  
Mayo, J. A., Lu, Y., Stevenson, D. K., Shaw, G. M., Eisenberg, M. L.  
2019; 31: 32–37
- **Substantial Cardiovascular Morbidity in Adults with Lower-Complexity Congenital Heart Disease.** *Circulation*  
Saha, P., Potiny, P., Rigdon, J., Morello, M., Tcheandjieu, C., Romfh, A., Fernandes, S. M., McElhinney, D. B., Bernstein, D., Lui, G. K., Shaw, G. M., Ingelsson, E., Priest, et al  
2019
- **A pilot study showing a stronger H1N1 influenza vaccination response during pregnancy in women who subsequently deliver preterm.** *Journal of reproductive immunology*  
Andorf, S., Bhattacharya, S., Gaudilliere, B., Shaw, G. M., Stevenson, D. K., Butte, A. J., Sirota, M.  
2019; 132: 16–20
- **Projected Changes in Maternal Heat Exposure During Early Pregnancy and the Associated Congenital Heart Defect Burden in the United States.** *Journal of the American Heart Association*  
Zhang, W., Spero, T. L., Nolte, C. G., Garcia, V. C., Lin, Z., Romitti, P. A., Shaw, G. M., Sheridan, S. C., Feldkamp, M. L., Woomert, A., Hwang, S., Fisher, S. C., Browne, et al  
2019; 8 (3): e010995
- **Epigenomic profiling of newborns with isolated orofacial clefts reveals widespread DNA methylation changes and implicates metastable epiallele regions in disease risk** *EPIGENETICS*  
Gonseth, S., Shaw, G. M., Roy, R., Segal, M. R., Asrani, K., Rine, J., Wiemels, J., Marini, N. J.  
2019; 14 (2): 198–213
- **Maternal Lactase Polymorphism (rs4988235) Is Associated with Neural Tube Defects in Offspring in the National Birth Defects Prevention Study** *JOURNAL OF NUTRITION*  
Hoang, T. T., Lei, Y., Mitchell, L. E., Sharma, S. V., Swartz, M. D., Waller, D., Finnell, R. H., Benjamin, R. H., Browne, M. L., Canfield, M. A., Lupo, P. J., McKenzie, P., Shaw, et al  
2019; 149 (2): 295–303
- **Developing evidence-based recommendations for optimal interpregnancy intervals in high-income countries: protocol for an international cohort study.** *BMJ open*  
Marinovich, M. L., Regan, A. K., Gissler, M., Magnus, M. C., Haberg, S. E., Padula, A. M., Mayo, J. A., Shaw, G. M., Ball, S., Malacova, E., Gebremedhin, A. T., Nassar, N., Marston, et al  
2019; 9 (1): e027941
- **Vasa previa and extreme prematurity: a population-based study.** *Journal of perinatology : official journal of the California Perinatal Association*

- Yeaton-Massey, A., Girsen, A. I., Mayo, J. A., Blumenfeld, Y. J., El-Sayed, Y. Y., Stevenson, D. K., Shaw, G. M.  
2019
- **Variants identified in PTK7 associated with neural tube defects.** *Molecular genetics & genomic medicine*  
Lei, Y., Kim, S., Chen, Z., Cao, X., Zhu, H., Yang, W., Shaw, G. M., Zheng, Y., Zhang, T., Wang, H., Finnell, R. H.  
2019: e584
  - **Women's periconceptional lowered carbohydrate intake and NTD-affected pregnancy risk in the era of prefortification with folic acid.** *Birth defects research*  
Shaw, G. M., Yang, W.  
2019
  - **The TFAP2A-IRF6-GRHL3 genetic pathway is conserved in neurulation.** *Human molecular genetics*  
Kousa, Y. A., Zhu, H., Fakhouri, W. D., Lei, Y., Kinoshita, A., Roushangar, R. R., Patel, N. K., Agopian, A. J., Yang, W., Leslie, E. J., Busch, T. D., Mansour, T. A., Li, et al  
2019
  - **Maternal Lactase Polymorphism (rs4988235) Is Associated with Neural Tube Defects in Offspring in the National Birth Defects Prevention Study.** *The Journal of nutrition*  
Hoang, T. T., Lei, Y., Mitchell, L. E., Sharma, S. V., Swartz, M. D., Waller, D. K., Finnell, R. H., Benjamin, R. H., Browne, M. L., Canfield, M. A., Lupo, P. J., McKenzie, P., Shaw, et al  
2019
  - **A Genome-Wide Analysis of Clinical Chorioamnionitis among Preterm Infants.** *American journal of perinatology*  
Spiegel, A. M., Li, J., Oehlert, J. W., Mayo, J. A., Quaintance, C. C., Girsen, A. I., Druzin, M. L., El-Sayed, Y. Y., Shaw, G. M., Stevenson, D. K., Gibbs, R. S.  
2019
  - **The contributions of genetics to premature birth.** *Pediatric research*  
Stevenson, D. K., Wong, R. J., Shaw, G. M., Li, J., Wise, P. H., Davis, J. M.  
2019
  - **Dominant negative GPR161 rare variants are risk factors of human spina bifida** *HUMAN MOLECULAR GENETICS*  
Kim, S., Lei, Y., Hwang, S., Wlodarczyk, B. J., Mukhopadhyay, S., Shaw, G. M., Ross, M., Finnell, R. H.  
2019; 28 (2): 200–208
  - **Multionics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy.** *Bioinformatics (Oxford, England)*  
Ghaemi, M. S., DiGiulio, D. B., Contrepois, K., Callahan, B., Ngo, T. T., Lee-McMullen, B., Lehallier, B., Robaczewska, A., Mcilwain, D., Rosenberg-Hasson, Y., Wong, R. J., Quaintance, C., Culos, et al  
2019; 35 (1): 95–103
  - **Preterm birth occurrence among Asian women relative to their place of birth**  
Girsen, A., Mayo, J. A., Datoc, I., Karakash, S., El-Sayed, Y. Y., Shaw, G. M.  
MOSBY-ELSEVIER.2019: S352
  - **Comparing Usual Dietary Intakes Among Subgroups of Mothers in the Year Before Pregnancy.** *Public health reports (Washington, D.C. : 1974)*  
Carmichael, S. L., Ma, C., Feldkamp, M. L., Shaw, G. M.  
2018: 33354918821078
  - **A machine learning approach to investigate potential risk factors for gastroschisis in California.** *Birth defects research*  
Weber, K. A., Yang, W., Carmichael, S. L., Padula, A. M., Shaw, G. M.  
2018
  - **Parental age and stillbirth: a population-based cohort of nearly 10 million California deliveries from 1991 to 2011.** *Annals of epidemiology*  
Mayo, J. A., Lu, Y., Stevenson, D. K., Shaw, G. M., Eisenberg, M. L.  
2018
  - **Author Correction: Enabling precision medicine in neonatology, an integrated repository for preterm birth research.** *Scientific data*  
Sirota, M., Thomas, C. G., Liu, R., Zuhl, M., Banerjee, P., Wong, R. J., Quaintance, C. C., Leite, R., Chubiz, J., Anderson, R., Chappell, J., Kim, M., Grobman, et al  
2018; 5 (1): 3

- **Understanding health disparities.** *Journal of perinatology : official journal of the California Perinatal Association*  
Stevenson, D. K., Wong, R. J., Aghaeepour, N., Angst, M. S., Darmstadt, G. L., DiGiulio, D. B., Druzin, M. L., Gaudilliere, B., Gibbs, R. S., B Gould, J., Katz, M., Li, J., Moufarrej, et al  
2018
- **Prenatal exposure to air pollution, maternal diabetes and preterm birth.** *Environmental research*  
Padula, A. M., Yang, W., Lurmann, F. W., Balmes, J., Hammond, S. K., Shaw, G. M.  
2018; 170: 160–67
- **Preterm Delivery Phenotypes in Systemic Lupus Erythematosus Pregnancies.** *American journal of perinatology*  
Simard, J. F., Chaichian, Y., Rossides, M., Wikstrom, A., Shaw, G. M., Druzin, M. L.  
2018
- **Enabling precision medicine in neonatology, an integrated repository for preterm birth research.** *Scientific data*  
Sirota, M., Thomas, C. G., Liu, R., Zuhl, M., Banerjee, P., Wong, R. J., Quaintance, C. C., Leite, R., Chubiz, J., Anderson, R., Chappell, J., Kim, M., Grobman, et al  
2018; 5: 180219
- **Maternal Height and Risk of Preeclampsia among Race/Ethnic Groups.** *American journal of perinatology*  
Maric, I., Mayo, J. A., Druzin, M. L., Wong, R. J., Winn, V. D., Stevenson, D. K., Shaw, G. M.  
2018
- **Impact of post-collection freezing delay on the reliability of serum metabolomics in samples reflecting the California mid-term pregnancy biobank** *METABOLOMICS*  
La Frano, M. R., Carmichael, S. L., Ma, C., Hardley, M., Shen, T., Wong, R., Rosales, L., Borkowski, K., Pedersen, T. L., Shaw, G. M., Stevenson, D. K., Fiehn, O., Newman, et al  
2018; 14 (11)
- **Association of paternal age with perinatal outcomes between 2007 and 2016 in the United States: population based cohort study.** *BMJ (Clinical research ed.)*  
Khandwala, Y. S., Baker, V. L., Shaw, G. M., Stevenson, D. K., Lu, Y., Eisenberg, M. L.  
2018; 363: k4372
- **A population-based case-control study of the association between weather-related extreme heat events and orofacial clefts.** *Birth defects research*  
Soim, A., Sheridan, S. C., Hwang, S., Hsu, W., Fisher, S. C., Shaw, G. M., Feldkamp, M. L., Romitti, P. A., Reefhuis, J., Langlois, P. H., Browne, M. L., Lin, S., National Birth Defects Prevention Study  
2018; e1385
- **An application of data mining to identify potential risk factors for anophthalmia and microphthalmia.** *Paediatric and perinatal epidemiology*  
Weber, K. A., Yang, W., Carmichael, S. L., Lupo, P. J., Dukhovny, S., Yazdy, M. M., Lin, A. E., Van Bennekom, C. M., Mitchell, A. A., Shaw, G. M., National Birth Defects Prevention Study  
2018
- **Copy number variants in hypoplastic right heart syndrome.** *American journal of medical genetics. Part A*  
Giannakou, A., Sicko, R. J., Kay, D. M., Zhang, W., Romitti, P. A., Caggana, M., Shaw, G. M., Jelliffe-Pawłowski, L. L., Mills, J. L.  
2018
- **The Authors Respond.** *Epidemiology (Cambridge, Mass.)*  
Francis, S. S., Shaw, G. M.  
2018
- **Metagenomic analysis with strain-level resolution reveals fine-scale variation in the human pregnancy microbiome.** *Genome research*  
Goltsman, D. S., Sun, C. L., Proctor, D. M., DiGiulio, D. B., Robaczewska, A., Thomas, B. C., Shaw, G. M., Stevenson, D. K., Holmes, S. P., Banfield, J. F., Relman, D. A.  
2018
- **Stillbirth and Live Birth at Perivable Gestational Age: A Comparison of Prevalence and Risk Factors.** *American journal of perinatology*  
Carmichael, S. L., Blumenfeld, Y. J., Mayo, J. A., Profit, J., Shaw, G. M., Hintz, S. R., Stevenson, D. K.  
2018
- **Maternal ambient heat exposure during early pregnancy in summer and spring and congenital heart defects - A large US population-based, case-control study** *ENVIRONMENT INTERNATIONAL*

- Lin, S., Lin, Z., Ou, Y., Soim, A., Shrestha, S., Lu, Y., Sheridan, S., Luben, T. J., Fitzgerald, E., Bell, E., Shaw, G. M., Reefhuis, J., Langlois, et al  
2018; 118: 211–21
- **Epidemiology of anophthalmia and microphthalmia: Prevalence and patterns in Texas, 1999-2009** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Chambers, T. M., Agopian, A. J., Lewis, R. A., Langlois, P. H., Danysh, H. E., Weber, K. A., Shaw, G. M., Mitchell, L. E., Lupo, P. J.  
2018; 176 (9): 1810–18
  - **Application of machine-learning to predict early spontaneous preterm birth among nulliparous non-Hispanic black and white women.** *Annals of epidemiology*  
Weber, A., Darmstadt, G. L., Gruber, S., Foeller, M. E., Carmichael, S. L., Stevenson, D. K., Shaw, G. M.  
2018
  - **Prediction of preterm birth with and without preeclampsia using mid-pregnancy immune and growth-related molecular factors and maternal characteristics** *JOURNAL OF PERINATOLOGY*  
Jelliffe-Pawlowski, L. L., Rand, L., Bedell, B., Baer, R. J., Oltmann, S. P., Norton, M. E., Shaw, G. M., Stevenson, D. K., Murray, J. C., Ryckman, K. K.  
2018; 38 (8): 963–72
  - **Change in Prevalence of Orofacial Clefts in California between 1987 and 2010.** *American journal of medical genetics. Part A*  
Andrew, T., Yang, W., Bernstein, J. A., Shaw, G. M.  
2018
  - **The uncertain fate of the National Institutes of Health (NIH) pediatric research portfolio: In support of an investment strategy to improve the public health of the nation through perinatal research.** *Pediatric research*  
Stevenson, D. K., Shaw, G. M., Katz, M.  
2018
  - **Herpesvirus Infection in Infants with Gastroschisis** *EPIDEMIOLOGY*  
Francis, S. S., Wiemels, J. L., Yang, W., Shaw, G. M.  
2018; 29 (4): 571–73
  - **Prediction of preterm birth with and without preeclampsia using mid-pregnancy immune and growth-related molecular factors and maternal characteristics (vol 38, pg 946, 2018)** *JOURNAL OF PERINATOLOGY*  
Jelliffe-Pawlowski, L. L., Rand, L., Bedell, B., Baer, R. J., Oltman, S. P., Norton, M. E., Shaw, G. M., Stevenson, D. K., Murray, J. C., Ryckman, K. K.  
2018; 38 (7): 946
  - **Residential agricultural pesticide exposures and risks of preeclampsia.** *Environmental research*  
Shaw, G. M., Yang, W., Roberts, E. M., Aghaeepour, N., Mayo, J. A., Weber, K. A., Maric, I., Carmichael, S. L., Winn, V. D., Stevenson, D. K., English, P. B.  
2018; 164: 546–55
  - **Natural Selection Has Differentiated the Progesterone Receptor among Human Populations.** *American journal of human genetics*  
Li, J., Hong, X., Mesiano, S., Muglia, L. J., Wang, X., Snyder, M., Stevenson, D. K., Shaw, G. M.  
2018
  - **Noninvasive blood tests for fetal development predict gestational age and preterm delivery** *SCIENCE*  
Ngo, T. M., Moufarrej, M. N., Rasmussen, M. H., Camunas-Soler, J., Pan, W., Okamoto, J., Neff, N. F., Liu, K., Wong, R. J., Downes, K., Tibshirani, R., Shaw, G. M., Skotte, et al  
2018; 360 (6393): 1133–36
  - **Nutrient intake in women before conception and risks of anophthalmia and microphthalmia in their offspring.** *Birth defects research*  
Weber, K. A., Yang, W., Carmichael, S. L., Shaw, G. M., National Birth Defects Prevention Study  
2018; 110 (10): 863–70
  - **Reproductive suppression, birth defects, and periviable birth** *EVOLUTIONARY APPLICATIONS*  
Catalano, R., Bruckner, T. A., Karasek, D., Yang, W., Shaw, G. M.  
2018; 11 (5): 762–67
  - **Women's periconceptional diet and risk of biliary atresia in offspring.** *Birth defects research*  
Carmichael, S. L., Ma, C., Van Zutphen, A. R., Moore, C. A., Shaw, G. M., National Birth Defects Prevention Study  
2018

- **Failed umbilical artery catheterization and adverse outcomes in extremely low birth weight infants.** *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians*  
Wallenstein, M. B., Shaw, G. M., Yang, W., Stevenson, D. K.  
2018; 1–5
- **Genetic variation in biotransformation enzymes, air pollution exposures, and risk of spina bifida** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Padula, A. M., Yang, W., Schultz, K., Lurmann, F., Hammond, S., Shaw, G. M.  
2018; 176 (5): 1055–90
- **Occurrence of Selected Structural Birth Defects Among Women With Preeclampsia and Other Hypertensive Disorders** *AMERICAN JOURNAL OF EPIDEMIOLOGY*  
Weber, K. A., Mayo, J. A., Carmichael, S. L., Stevenson, D. K., Winn, V. D., Shaw, G. M.  
2018; 187 (4): 668–76
- **Maternal Height and Risk of Preeclampsia.**  
Maric, I., Mayo, J. A., Druzin, M. L., Wong, R. J., Winn, V. D., Stevenson, D. K., Shaw, G. M.  
SAGE PUBLICATIONS INC.2018: 207A–208A
- **Demographic Characteristics and Outcomes of Pregnancies among Homeless Women in California.**  
Spiegel, A. M., Sie, L., Sherwin, K. B., St Martin, B. S., Girsen, A. I., Shaw, G. M., Lee, H. C., El-Sayed, Y. Y.  
SAGE PUBLICATIONS INC.2018: 87A
- **Neonatal Outcomes of Pregnancies Complicated by Maternal Homelessness in California.**  
Spiegel, A. M., Sie, L., Sherwin, K. B., St Martin, B. S., Girsen, A. I., Shaw, G. M., Lee, H. C., El-Sayed, Y. Y.  
SAGE PUBLICATIONS INC.2018: 135A
- **Divergent Patterns of Mitochondrial and Nuclear Ancestry Are Associated with the Risk for Preterm Birth** *JOURNAL OF PEDIATRICS*  
Crawford, N., Prendergast, D., Oehlert, J. W., Shaw, G. M., Stevenson, D. K., Rappaport, N., Sirota, M., Tishkoff, S. A., Sondheimer, N.  
2018; 194: 40+
- **Mass Cytometry and Proteomic Based Prediction of the Onset of Labor.**  
Ando, K., Han, X., Ghaemi, S., Tsai, A., Ganio, E., Gaudilliere, D., Culos, T., Shaw, G., Wong, R., Stevenson, D., Carvalho, B., Tingle, M., Angst, et al  
SAGE PUBLICATIONS INC.2018: 153A
- **A genome-wide association study identifies only two ancestry specific variants associated with spontaneous preterm birth** *SCIENTIFIC REPORTS*  
Rappoport, N., Toung, J., Hadley, D., Wong, R. J., Fujioka, K., Reuter, J., Abbott, C. W., Oh, S., Hu, D., Eng, C., Huntsman, S., Bodian, D. L., Niederhuber, et al  
2018; 8: 226
- **Reproductive suppression, birth defects, and periviable birth.** *Evolutionary applications*  
Catalano, R., Bruckner, T. A., Karasek, D., Yang, W., Shaw, G. M.  
2018; 11 (5): 762–67
- **Congenital heart disease complexity and childhood cancer risk.** *Birth defects research*  
Collins, R. T., Von Behren, J., Yang, W., Carmichael, S. L., Reynolds, P., Fisher, P. G., Shaw, G. M.  
2018; 110 (17): 1314–21
- **Impact of post-collection freezing delay on the reliability of serum metabolomics in samples reflecting the California mid-term pregnancy biobank.** *Metabolomics : Official journal of the Metabolomic Society*  
La Frano, M. R., Carmichael, S. L., Ma, C., Hardley, M., Shen, T., Wong, R., Rosales, L., Borkowski, K., Pedersen, T. L., Shaw, G. M., Stevenson, D. K., Fiehn, O., Newman, et al  
2018; 14 (11): 151
- **Antioxidant Consumption is Associated with Decreased Odds of Congenital Limb Deficiencies** *PAEDIATRIC AND PERINATAL EPIDEMIOLOGY*  
Pace, N. D., Desrosiers, T. A., Carmichael, S. L., Shaw, G. M., Olshan, A. F., Siega-Riz, A., Natl Birth Defects Prevention Stud  
2018; 32 (1): 90–99
- **First Trimester Plasma Glucose Values in Women without Diabetes are Associated with Risk for Congenital Heart Disease in Offspring.** *The Journal of pediatrics*  
Helle, E. I., Biegley, P., Knowles, J. W., Leader, J. B., Pendergrass, S., Yang, W., Reaven, G. R., Shaw, G. M., Ritchie, M., Priest, J. R.

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