

Stanford



Elliott Main

Clinical Professor, Obstetrics & Gynecology - Maternal Fetal Medicine

Bio

ACADEMIC APPOINTMENTS

- Clinical Professor, Obstetrics & Gynecology - Maternal Fetal Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Medical Director, California Maternal Quality Care Collaborative, (2006- present)

Publications

PUBLICATIONS

- **Institutional Racism: A Key Contributor to Perinatal Health Inequity.** *Pediatrics*
Dhurjati, R., Main, E., Profit, J.
2021
- **Hospital Quality Improvement Interventions, Statewide Policy Initiatives, and Rates of Cesarean Delivery for Nulliparous, Term, Singleton, Vertex Births in California.** *JAMA*
Rosenstein, M. G., Chang, S., Sakowski, C., Markow, C., Teleki, S., Lang, L., Logan, J., Cape, V., Main, E. K.
2021; 325 (16): 1631–39
- **Safe care on maternity units: a multidimensional balancing act.** *BMJ quality & safety*
White VanGompel, E. n., Main, E. K.
2021
- **Obstetric comorbidity scores and disparities in severe maternal morbidity across marginalized groups.** *American journal of obstetrics & gynecology MFM*
Leonard, S. A., Main, E. K., Lyell, D. J., Carmichael, S. L., Kennedy, C. J., Johnson, C., Mujahid, M. S.
2021: 100530
- **Hospital-Level Variation in the Frequency of Cesarean Delivery Among Nulliparous Women Who Undergo Labor Induction.** *Obstetrics and gynecology*
Main, E. K., Chang, S., Cheng, Y. W., Rosenstein, M. G., Lagrew, D. C.
2020
- **Singleton preterm birth rates for racial and ethnic groups during the coronavirus disease 2019 pandemic in California.** *American journal of obstetrics and gynecology*
Main, E. K., Chang, S., Carpenter, A. M., Wise, P. H., Stevenson, D. K., Shaw, G. M., Gould, J. B.
2020
- **Birth Hospital and Racial/Ethnic Differences in Severe Maternal Morbidity in the State of California.** *American journal of obstetrics and gynecology*
Mujahid, M. S., Kan, P., Leonard, S. A., Hailu, E. M., Wall-Wieler, E., Abrams, B., Main, E., Profit, J., Carmichael, S. L.
2020

- **An Expanded Obstetric Comorbidity Scoring System for Predicting Severe Maternal Morbidity.** *Obstetrics and gynecology*
Leonard, S. A., Kennedy, C. J., Carmichael, S. L., Lyell, D. J., Main, E. K.
2020
- **Reduction in Racial Disparities in Severe Maternal Morbidity from Hemorrhage in a Large-scale Quality Improvement Collaborative.** *American journal of obstetrics and gynecology*
Main, E. K., Chang, S. C., Dhurjati, R. n., Cape, V. n., Profit, J. n., Gould, J. B.
2020
- **Antepartum iron-deficiency anemia: An opportunity to reduce severe maternal morbidity**
Leonard, S. A., Main, E. K., Lyell, D. J., Butwick, A. J., Carmichael, S. L.
MOSBY-ELSEVIER.2020: S168-S169
- **Time of Birth and the Risk of Severe Unexpected Complications in Term Singleton Neonates.** *Obstetrics and gynecology*
Gould, J. B., Abreo, A. M., Chang, S. C., Main, E. K.
2020
- **Low-Interventional Approaches to Intrapartum Care: Hospital Variation in Practice and Associated Factors.** *Journal of midwifery & women's health*
Lundsberg, L. S., Main, E. K., Lee, H. C., Lin, H., Illuzzi, J. L., Xu, X.
2019
- **National Partnership for Maternal Safety: Consensus Bundle on Obstetric Care for Women With Opioid Use Disorder.** *Obstetrics and gynecology*
Krans, E. E., Campopiano, M., Cleveland, L. M., Goodman, D., Kilday, D., Kendig, S., Leffert, L. R., Main, E. K., Mitchell, K. T., O#Gurek, D. T., D#Oria, R., McDaniel, D., Terplan, et al
2019
- **Creating Change at Scale Quality Improvement Strategies used by the California Maternal Quality Care Collaborative** *OBSTETRICS AND GYNECOLOGY CLINICS OF NORTH AMERICA*
Markow, C., Main, E. K.
2019; 46 (2): 317-+
- **Creating Change at Scale: Quality Improvement Strategies used by the California Maternal Quality Care Collaborative.** *Obstetrics and gynecology clinics of North America*
Markow, C., Main, E. K.
2019; 46 (2): 317-28
- **Systolic Hypertension, Preeclampsia-Related Mortality, and Stroke in California.** *Obstetrics and gynecology*
Judy, A. E., McCain, C. L., Lawton, E. S., Morton, C. H., Main, E. K., Druzin, M. L.
2019; 133 (6): 1151-59
- **Safety Assessment of a Large-Scale Improvement Collaborative to Reduce Nulliparous Cesarean Delivery Rates**
Main, E. K., Chang, S., Cape, V., Sakowski, C., Smith, H., Vasher, J.
LIPPINCOTT WILLIAMS & WILKINS.2019: 613-23
- **Cesarean overuse and the culture of care.** *Health services research*
White VanGompel, E., Perez, S., Datta, A., Wang, C., Cape, V., Main, E.
2019
- **The contribution of maternal characteristics and cesarean delivery to an increasing trend of severe maternal morbidity** *BMC Pregnancy and Childbirth*
Leonard, S. A., Main, E. K., Carmichael, S. L.
2019; 19 (16)
- **Racial and ethnic disparities in severe maternal morbidity prevalence and trends.** *Annals of epidemiology*
Leonard, S. A., Main, E. K., Scott, K. A., Profit, J. n., Carmichael, S. L.
2019
- **Measuring labor and delivery unit culture and clinicians' attitudes toward birth: Revision and validation of the Labor Culture Survey.** *Birth (Berkeley, Calif.)*
White VanGompel, E., Perez, S., Wang, C., Datta, A., Cape, V., Main, E.
2018

- **Addressing Maternal Mortality And Morbidity In California Through Public-Private Partnerships.** *Health affairs (Project Hope)*
Main, E. K., Markow, C., Gould, J.
2018; 37 (9): 1484–93
- **Addressing Maternal Mortality And Morbidity In California Through Public-Private Partnerships** *HEALTH AFFAIRS*
Main, E. K., Markow, C., Gould, J.
2018; 37 (9): 1484–93
- **Do provider birth attitudes influence cesarean delivery rate: a cross-sectional study** *BMC PREGNANCY AND CHILDBIRTH*
VanGompel, E., Main, E. K., Tancredi, D., Melnikow, J.
2018; 18: 184
- **Improving Maternal Safety at Scale with the Mentor Model of Collaborative Improvement** *JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY*
Main, E. K., Dhurjati, R., Cape, V., Vasher, J., Abreo, A., Chang, S., Gould, J. B.
2018; 44 (5): 250–59
- **Reducing Maternal Mortality and Severe Maternal Morbidity Through State-based Quality Improvement Initiatives.** *Clinical obstetrics and gynecology*
Main, E. K.
2018
- **The National Network of State Perinatal Quality Collaboratives: A Growing Movement to Improve Maternal and Infant Health** *JOURNAL OF WOMENS HEALTH*
Henderson, Z. T., Ernst, K., Simpson, K., Berns, S., Suchdev, D. B., Main, E., McCaffrey, M., Lee, K., Rouse, T., Olson, C. K.
2018; 27 (3): 221–26
- **Reduction of severe maternal morbidity from hemorrhage (SMM-HEM) using a state-wide perinatal collaborative**
Main, E., Cape, V., Abreo, A., Vasher, J., Carpenter, A.
MOSBY-ELSEVIER.2017: S37
- **The Impact of Maternal Obesity and Race/Ethnicity on Perinatal Outcomes: Independent and Joint Effects** *OBESITY*
Snowden, J. M., Mission, J. F., Marshall, N. E., Quigley, B., Main, E., Gilbert, W. M., Chung, J. H., Caughey, A. B.
2016; 24 (7): 1590–98
- **The Goldilocks Quandary of Health Care Resources Too Little, Too Much, or Just Right?** *OBSTETRICS AND GYNECOLOGY*
Morgan, D. M., Main, E., Gee, R. E.
2016; 127 (6): 1039–44
- **Measuring severe maternal morbidity: validation of potential measures** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Main, E. K., Abreo, A., McNulty, J., Gilbert, W., McNally, C., Poeltler, D., Lanner-Cusin, K., Fenton, D., Gipps, T., Melsop, K., Greene, N., Gould, J. B., Kilpatrick, et al
2016; 214 (5)
- **Pregnancy-Related Cardiovascular Deaths in California: Beyond Peripartum Cardiomyopathy** *OBSTETRICAL & GYNECOLOGICAL SURVEY*
Hameed, A. B., Lawton, E. S., McCain, C. L., Morton, C. H., Mitchell, C., Main, E. K., Foster, E.
2016; 71 (2): 63–65
- **Clues for understanding hospital variation among obstetric services** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Main, E. K.
2015; 213 (4): 443–44
- **National Partnership for Maternal Safety Consensus Bundle on Obstetric Hemorrhage** *OBSTETRICS AND GYNECOLOGY*
Main, E. K., Goffman, D., Scavone, B. M., Low, L., Bingham, D., Fontaine, P. L., Gorlin, J. B., Lagrew, D. C., Levy, B. S.
2015; 126 (1): 155–62
- **The National Partnership for Maternal Safety: A Call to Action for Anesthesiologists** *ANESTHESIA AND ANALGESIA*
Scavone, B. M., Main, E. K.
2015; 121 (1): 14–16
- **Pregnancy-Related Mortality in California Causes, Characteristics, and Improvement Opportunities** *OBSTETRICS AND GYNECOLOGY*

Main, E. K., McCain, C. L., Morton, C. H., Holtby, S., Lawton, E. S.
2015; 125 (4): 938-947

- **Pregnancy-related cardiovascular deaths in California: beyond peripartum cardiomyopathy.** *American journal of obstetrics and gynecology*
2015
- **Opportunities for maternal transport of pregnancies at risk for delivery of VLBW infants - results from the california maternal quality care collaborative**
Robles, D., Blumenfeld, Y., Lee, H., Gould, J., Main, E., Profit, J., Melsop, K., Druzin, M.
MOSBY-ELSEVIER.2015: S237
- **Executive Summary of the reVITALize Initiative Standardizing Obstetric Data Definitions** *OBSTETRICS AND GYNECOLOGY*
Menard, M., Main, E. K., Currihan, S. M.
2014; 124 (1): 150-53
- **California Pregnancy-Associated Mortality Review: Mixed Methods Approach for Improved Case Identification, Cause of Death Analyses and Translation of Findings** *MATERNAL AND CHILD HEALTH JOURNAL*
Mitchell, C., Lawton, E., Morton, C., McCain, C., Holtby, S., Main, E.
2014; 18 (3): 518-526
- **Cardiovascular Disease: The Leading Cause of Pregnancy-Related Death in California 2002-2005**
Hameed, A. B., Foster, E., McCain, C., Morton, C., Main, E.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Maternal Mortality Time for National Action** *OBSTETRICS AND GYNECOLOGY*
Main, E. K., Menard, M.
2013; 122 (4): 735-36
- **A Comprehensive Analysis of the Costs of Severe Maternal Morbidity.** *Women's health issues : official publication of the Jacobs Institute of Women's Health*
Phibbs, C. M., Kozhimannil, K. B., Leonard, S. A., Lorch, S. A., Main, E. K., Schmitt, S. K., Phibbs, C. S.
1800
- **Ways Forward in Preventing Severe Maternal Morbidity and Maternal Health Inequities: Conceptual Frameworks, Definitions, and Data, from a Population Health Perspective.** *Women's health issues : official publication of the Jacobs Institute of Women's Health*
Carmichael, S. L., Abrams, B., El Ayadi, A., Lee, H. C., Liu, C., Lyell, D. J., Lyndon, A., Main, E. K., Mujahid, M., Tian, L., Snowden, J. M.
1800
- **Birth registration policies in the United States and their relevance to sexual and/or gender minority families: Identifying existing strengths and areas of improvement.** *Social science & medicine (1982)*
Zhang, A., Berrahou, I., Leonard, S. A., Main, E. K., Obedin-Maliver, J.
1800; 293: 114633
- **Hospital Quality Improvement Interventions, Statewide Policy Initiatives, and Rates of Cesarean Delivery for Nulliparous, Term, Singleton, Vertex Births in California** *OBSTETRICAL & GYNECOLOGICAL SURVEY*
Rosenstein, M. G., Chang, S., Sakowski, C., Markow, C., Teleki, S., Lang, L., Logan, J., Cape, V., Main, E. K.
2021; 76 (10): 593-595
- **Culture That Facilitates Change: A Mixed Methods Study of Hospitals Engaged in Reducing Cesarean Deliveries** *ANNALS OF FAMILY MEDICINE*
VanGompel, E., Perez, S. L., Datta, A., Carlock, F. R., Cape, V., Main, E. K.
2021; 19 (3): 249-257
- **COST-EFFECTIVENESS OF A STATE PERINATAL QUALITY COLLABORATIVE FOR REDUCING SEVERE MATERNAL MORBIDITY FROM HEMORRHAGE**
Wiesehan, E., Keesara, S., Krissberg, J., Main, E., Goldhaber-Fiebert, J. D.
SAGE PUBLICATIONS INC.2021: E8-E9
- **Severe Maternal Morbidity: A Comparison of Definitions and Data Sources.** *American journal of epidemiology*
Snowden, J. M., Lyndon, A., Kan, P., El Ayadi, A., Main, E., Carmichael, S. L.
2021
- **Maternal and neonatal health care worker well-being and patient safety climate amid the COVID-19 pandemic.** *Journal of perinatology : official journal of the California Perinatal Association*

- Haidari, E., Main, E. K., Cui, X., Cape, V., Tawfik, D. S., Adair, K. C., Sexton, B. J., Profit, J.
2021
- **Enhanced maternal mortality surveillance identifies higher mortality ratios and greater racial/ethnic disparity than death certificates**
Krakowiak, P., Sun, D., McCain, C., Morton, C. H., Ramos, D. E., Reynen, D. J., Main, E. K., Mitchell, C.
MOSBY-ELSEVIER.2021: S229–S230
 - **Measuring Variation in Interpregnancy Interval: Identifying Hotspots for Improvement Initiatives.** *American journal of perinatology*
Karakash, S. D., Main, E. K., Chang, S. C., Shaw, G. M., Stevenson, D. K., Gould, J. B.
2021
 - **Association of Maternal Comorbidity With Severe Maternal Morbidity: A Cohort Study of California Mothers Delivering Between 1997 and 2014.** *Annals of internal medicine*
Main, E. K., Leonard, S. A., Menard, M. K.
2020; 173 (11_Supplement): S11–S18
 - **Quality Improvement Opportunities Identified Through Case Review of Pregnancy-Related Deaths From Cardiovascular Disease**
Van Otterloo, L., Main, E., Seacrist, M., Morton, C. H.
ELSEVIER SCIENCE INC.2020: S13
 - **Weight gain during pregnancy and the risk of severe maternal morbidity by prepregnancy BMI.** *The American journal of clinical nutrition*
Leonard, S. A., Abrams, B., Main, E. K., Lyell, D. J., Carmichael, S. L.
2020
 - **Racial and Ethnic Disparities in Hospital-Based Care Associated with Postpartum Depression.** *Journal of racial and ethnic health disparities*
Chan, A. L., Guo, N. n., Popat, R. n., Robakis, T. n., Blumenfeld, Y. Y., Main, E. n., Scott, K. A., Butwick, A. J.
2020
 - **Pre-pregnancy Obesity and the Risk of Peripartum Cardiomyopathy.** *American journal of perinatology*
Cho, S. H., Leonard, S. A., Lyndon, A. n., Main, E. K., Abrams, B. n., Hameed, A. B., Carmichael, S. L.
2020
 - **Quality and Safety Programs in Obstetrics and Gynecology.** *Clinical obstetrics and gynecology*
Main, E. K.
2019
 - **Measuring labor and delivery unit culture and clinicians' attitudes toward birth: Revision and validation of the Labor Culture Survey** *BIRTH-ISSUES IN PERINATAL CARE*
VanGompel, E., Perez, S., Wang, C., Datta, A., Cape, V., Main, E.
2019; 46 (2): 300–310
 - **Systolic Hypertension, Preeclampsia-Related Mortality, and Stroke in California.** *Obstetrics and gynecology*
Judy, A. E., McCain, C. L., Lawton, E. S., Morton, C. H., Main, E. K., Druzin, M. L.
2019
 - **Quality Improvement Opportunities Identified Through Case Review of Pregnancy-Related Deaths From Cardiovascular Disease** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*
VanOtterloo, L. R., Morton, C. H., Seacrist, M. J., Main, E. K.
2019; 48 (3): 263–74
 - **Racial and ethnic disparities in severe maternal morbidity prevalence and trends** *ANNALS OF EPIDEMIOLOGY*
Leonard, S. A., Main, E. K., Scott, K. A., Profit, J., Carmichael, S. L.
2019; 33: 30–36
 - **Quality Improvement Opportunities Identified Through Case Review of Pregnancy-Related Deaths From Preeclampsia/Eclampsia** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*
Morton, C. H., Seacrist, M. J., VanOtterloo, L. R., Main, E. K.
2019; 48 (3): 275–87
 - **Quality Improvement Opportunities Identified Through Case Review of Pregnancy-Related Deaths From Sepsis** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*

- Seacrist, M. J., Morton, C. H., VanOtterloo, L. R., Main, E. K.
2019; 48 (3): 311–20
- **Translating Maternal Mortality Review Into Quality Improvement Opportunities in Response to Pregnancy-Related Deaths in California** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*
Morton, C. H., VanOtterloo, L. R., Seacrist, M. J., Main, E. K.
2019; 48 (3): 252–62
 - **Quality Improvement Opportunities Identified Through Case Review of Pregnancy-Related Deaths From Obstetric Hemorrhage** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*
Seacrist, M. J., VanOtterloo, L. R., Morton, C. H., Main, E. K.
2019; 48 (3): 288–99
 - **Quality Improvement Opportunities Identified Through Case Review of Pregnancy-Related Deaths From Venous Thromboembolism** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*
VanOtterloo, L. R., Seacrist, M. J., Morton, C. H., Main, E. K.
2019; 48 (3): 300–310
 - **Cesarean overuse and the culture of care** *HEALTH SERVICES RESEARCH*
VanGompel, E., Perez, S., Datta, A., Wang, C., Cape, V., Main, E.
2019; 54 (2): 417–24
 - **The contribution of maternal characteristics and cesarean delivery to an increasing trend of severe maternal morbidity.** *BMC pregnancy and childbirth*
Leonard, S. A., Main, E. K., Carmichael, S. L.
2019; 19 (1): 16
 - **Risk of severe maternal morbidity in relation to prepregnancy body mass index: Roles of maternal co-morbidities and caesarean birth.** *Paediatric and perinatal epidemiology*
Leonard, S. A., Carmichael, S. L., Main, E. K., Lyell, D. J., Abrams, B. n.
2019
 - **In Reply.** *Obstetrics and gynecology*
Judy, A. E., McCain, C. L., Lawton, E. S., Morton, C. H., Main, E. K., Druzin, M. L.
2019; 134 (4): 880–81
 - **Reducing Maternal Mortality and Severe Maternal Morbidity Through State-based Quality Improvement Initiatives** *CLINICAL OBSTETRICS AND GYNECOLOGY*
Main, E. K.
2018; 61 (2): 319–31
 - **The National Network of State Perinatal Quality Collaboratives: A Growing Movement to Improve Maternal and Infant Health.** *Journal of women's health (2002)*
Henderson, Z. T., Ernst, K., Simpson, K. R., Berns, S. D., Suchdev, D. B., Main, E., McCaffrey, M., Lee, K., Rouse, T. B., Olson, C. K.
2018; 27 (2): 123-127
 - **TIME OF BIRTH AND THE RISK OF SEVERE UNEXPECTED COMPLICATIONS IN TERM SINGLETON NEWBORNS**
Gould, J. B., Abreo, A., Main, E. K.
WILEY.2017: 13
 - **Reduction of severe maternal morbidity from hemorrhage using a state perinatal quality collaborative** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Main, E. K., Cape, V., Abreo, A., Vasher, J., Woods, A., Carpenter, A., Gould, J. B.
2017; 216 (3)
 - **Leading Change on Labor and Delivery: Reducing Nulliparous Term Singleton Vertex (NTSV) Cesarean Rates** *JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY*
Main, E. K.
2017; 43 (2): 51–52
 - **Relationship of Hospital Staff Coverage and Delivery Room Resuscitation Practices to Birth Asphyxia.** *American journal of perinatology*
Tu, J. H., Profit, J., Melsop, K., Brown, T., Davis, A., Main, E., Lee, H. C.

2017; 34 (3): 259-263

- **Rapid reduction of the NTSV CS rate in multiple community hospitals using a multi-dimensional QI approach**
Lagrew, D. C., Mills, M., Mikes, K., Chan, K., Trial, J., Deeds, T., Rubinstein, B., Main, E.
MOSBY-ELSEVIER.2017: S471–S472
- **Opportunities for maternal transport for delivery of very low birth weight infants** *JOURNAL OF PERINATOLOGY*
Robles, D., Blumenfeld, Y. J., Lee, H. C., Gould, J. B., Main, E., Profit, J., Melsop, K., Druzin, M.
2017; 37 (1): 32-35
- **Confirmed severe maternal morbidity is associated with high rate of preterm delivery.** *American journal of obstetrics and gynecology*
Kilpatrick, S. J., Abreo, A., Gould, J., Greene, N., Main, E. K.
2016; 215 (2): 233 e1-7
- **Severe maternal morbidity is associated with high rate of preterm delivery**
Kilpatrick, S., Abreo, A., Lanner-Cusin, K., Main, E.
MOSBY-ELSEVIER.2016: S28
- **Relationship between ICU Admissions and Severe Maternal Morbidity**
McNulty, J., Kilpatrick, S., Arbreo, A., Fenton, D., Main, E.
MOSBY-ELSEVIER.2016: S129–S130
- **Variation in transfusion rates and Maternal Levels of Care: Implications for quality indicators and the measurement of Severe Maternal Morbidity (SMM)**
Gilbert, W., Abreo, A., McNally, C., Poeltler, D., Main, E.
MOSBY-ELSEVIER.2016: S275–S276
- **National Partnership for Maternal Safety: Consensus Bundle on Obstetric Hemorrhage** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*
Main, E. K., Goffman, D., Scavone, B. M., Low, L., Bingham, D., Fontaine, P. L., Gorlin, J. B., Lagrew, D. C., Levy, B. S.
2015; 44 (4): 462–70
- **National Partnership for Maternal Safety Consensus Bundle on Obstetric Hemorrhage** *JOURNAL OF MIDWIFERY & WOMENS HEALTH*
Main, E. K., Goffman, D., Scavone, B. M., Low, L. K., Bingham, D., Fontaine, P. L., Gorlin, J. B., Lagrew, D. C., Levy, B. S.
2015; 60 (4): 458-464
- **National Partnership for Maternal Safety: Consensus Bundle on Obstetric Hemorrhage** *ANESTHESIA AND ANALGESIA*
Main, E. K., Goffman, D., Scavone, B. M., Low, L. K., Bingham, D., Fontaine, P. L., Gorlin, J. B., Lagrew, D. C., Levy, B. S.
2015; 121 (1): 142-148
- **Pregnancy Outcomes in the Super Obese, Stratified by Weight Gain Above and Below Institute of Medicine Guidelines** *OBSTETRICS AND GYNECOLOGY*
Swank, M. L., Marshall, N. E., Caughey, A. B., Main, E. K., Gilbert, W. M., Melsop, K. A., Chung, J. H.
2014; 124 (6): 1105–10
- **The Impact of Change in Pregnancy Body Mass Index on Macrosomia** *OBESITY*
Swank, M. L., Caughey, A. B., Farinelli, C. K., Main, E. K., Melsop, K. A., Gilbert, W. M., Chung, J. H.
2014; 22 (9): 1997–2002
- **The impact of change in pregnancy body mass index on cesarean delivery** *JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE*
Swank, M. L., Caughey, A. B., Farinelli, C. K., Main, E. K., Melsop, K. A., Gilbert, W. M., Chung, J. H.
2014; 27 (8): 795–800
- **The impact of change in pregnancy body mass index on the development of gestational hypertensive disorders** *JOURNAL OF PERINATOLOGY*
Swank, M. L., Caughey, A. B., Farinelli, C. K., Main, E. K., Melsop, K. A., Gilbert, W. M., Chung, J. H.
2014; 34 (3): 181–85
- **Maternal Mortality: Time for National Action Reply** *OBSTETRICS AND GYNECOLOGY*
Menard, M., Main, E.
2014; 123 (2): 362–63
- **Maternal height and perinatal outcomes in normal weight women**

Marshall, N., Snowden, J., Darney, B., Main, E., Gilbert, W., Chung, J., Caughey, A.
MOSBY-ELSEVIER.2014: S252

- **The impact of pre-pregnancy body mass index and gestational weight gain on failed trial of labor after cesarean**
Chung, J., Swank, M., Main, E., Melsop, K., Gilbert, W., Caughey, A.
MOSBY-ELSEVIER.2014: S309–S310
- **Influence of Fetal Sex, Maternal Obesity, and Gestational Weight Gain on Perinatal Outcomes.**
Marshall, N. E., Snowden, J. M., O'Tierney-Ginn, P. F., Melsap, K., Chung, J., Main, E., Gilbert, W., Caughey, A. B.
SAGE PUBLICATIONS INC.2013: 309A–310A
- **The impact of gestational change in body mass index (BMI) on adverse pregnancy outcomes among women with gestational diabetes** *33rd Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM)*
Chung, J., Swank, M., Main, E., Melsop, K., Gilbert, W., Caughey, A.
MOSBY-ELSEVIER.2013: S122–S123
- **The impact of change in pregnancy body mass index on gestational hypertension/preeclampsia** *33rd Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM)*
Swank, M., Caughey, A., Farinelli, C., Main, E., Melsop, K., Gilbert, W., Chung, J.
MOSBY-ELSEVIER.2013: S274–S274
- **Impact of gestational weight gain by BMI class on cesarean delivery in nulliparous women** *33rd Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM)*
Marshall, N., Halloran, D., Chung, J., Snowden, J., Cheng, Y., Melsap, K., Main, E., Gilbert, W., Caughey, A.
MOSBY-ELSEVIER.2013: S303–S304
- **The impact of change in pregnancy body mass index on cesarean delivery** *33rd Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM)*
Swank, M., Caughey, A., Farinelli, C., Main, E., Melsop, K., Gilbert, W., Chung, J.
MOSBY-ELSEVIER.2013: S339–S339
- **The impact of change in pregnancy body mass index on macrosomia** *33rd Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM)*
Swank, M., Caughey, A., Farinelli, C., Main, E., Melsop, K., Gilbert, W., Chung, J.
MOSBY-ELSEVIER.2013: S190–S190
- **The impact of change in pregnancy body mass index on preterm birth and low birthweight** *33rd Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM)*
Swank, M., Caughey, A., Farinelli, C., Main, E., Melsop, K., Gilbert, W., Chung, J.
MOSBY-ELSEVIER.2013: S191–S191
- **Prevalence of non-medically indicated induction of labor among women of varying body mass index in California** *33rd Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM)*
Snowden, J., Cheng, Y., Darney, B., Marshall, N., Chung, J., Main, E., Gilbert, W., Melsop, K., Caughey, A.
MOSBY-ELSEVIER.2013: S299–S300
- **Creating a Public Agenda for Maternity Safety and Quality in Cesarean Delivery** *OBSTETRICS AND GYNECOLOGY*
Main, E. K., Morton, C. H., Melsop, K., Hopkins, D., Giuliani, G., Gould, J. B.
2012; 120 (5): 1194–1198
- **Neonatal Outcomes After Implementation of Guidelines Limiting Elective Delivery Before 39 Weeks of Gestation** *OBSTETRICS AND GYNECOLOGY*
Oshiro, B., Branch, W., Main, E.
2012; 119 (3): 656
- **Decisions Required for Operating a Maternal Mortality Review Committee: The California Experience** *SEMINARS IN PERINATOLOGY*
Main, E. K.
2012; 36 (1): 37–41
- **A State-Wide Obstetric Hemorrhage Quality Improvement Initiative** *MCN-THE AMERICAN JOURNAL OF MATERNAL-CHILD NURSING*
Bingham, D., Lyndon, A., Lagrew, D., Main, E. K.
2011; 36 (5): 297–304

- **Excess gestational weight gain is associated with gestational hypertension/preeclampsia and cesarean birth** *31st Annual Scientific Meeting of the Society-of-Maternal-Fetal-Medicine (SMFM)*
Melsop, K., Main, E., Caughey, A. B., Gilbert, W., Walker, C., Chung, J.
MOSBY-ELSEVIER.2011: S232–S232
- **Interrelationship between race/ethnicity and obesity on perinatal outcomes** *31st Annual Scientific Meeting of the Society-of-Maternal-Fetal-Medicine (SMFM)*
Main, E., Melsop, K., Caughey, A. B., Gilbert, W., Walker, C., Chung, J.
MOSBY-ELSEVIER.2011: S313–S313
- **Interrelationship between gestational weight gain and race/ethnicity on perinatal outcomes** *31st Annual Scientific Meeting of the Society-of-Maternal-Fetal-Medicine (SMFM)*
Main, E., Melsop, K., Caughey, A. B., Gilbert, W., Walker, C., Chung, J.
MOSBY-ELSEVIER.2011: S50–S50
- **Increasing maternal body mass index is strongly associated with gestational diabetes, gestational hypertension/preeclampsia and cesarean delivery** *31st Annual Scientific Meeting of the Society-of-Maternal-Fetal-Medicine (SMFM)*
Melsop, K., Main, E., Caughey, A. B., Gilbert, W., Walker, C., Chung, J.
MOSBY-ELSEVIER.2011: S231–S232
- **Effective Implementation Strategies and Tactics for Leading Change on Maternity Units** *JOURNAL OF PERINATAL & NEONATAL NURSING*
Bingham, D., Main, E. K.
2010; 24 (1): 32-42
- **Cesarean delivery rates and neonatal morbidity in a low-risk population** *OBSTETRICS AND GYNECOLOGY*
Gould, J. B., Danielsen, B., Korst, L. M., Phibbs, R., Chance, K., Main, E., Wirtschafter, D. D., Stevenson, D. K.
2004; 104 (1): 11-19