

**OBSTETRICAL CARE OUTCOMES ASSESSMENT PROGRAM [OB COAP]
BIBLIOGRAPHY – UPDATED April 2023**

PAPERS:

Nethery E, Levy B, McLean K, Sitcov K, Souter, V L. **Effects of the ARRIVE (A Randomized Trial of Induction Versus Expectant Management) Trial on Elective Induction and Obstetric Outcomes in Term Nulliparous Patients.** *Obstetrics & Gynecology.* 2023. In Press.

Calvert, C., Brockway, M., Zoega, H. *et al.* **Changes in preterm birth and stillbirth during COVID-19 lockdowns in 26 countries.** *Nature Human Behavior.* 2023.
<https://doi.org/10.1038/s41562-023-01522-y>

Nethery E, Hutcheon JA, Kotaska A, Law MR, Janssen PA. **Weight gain in pregnancy and infant birthweight after the onset of the COVID-19 pandemic: An interrupted time series analysis.** *The American Journal of Clinical Nutrition.* 2023, February. Issue 2, vol 117, p.216-217.

Riley, T, Nethery E, Chung E, Souter V. **Impact of the COVID-19 pandemic on perinatal care and outcomes: an interrupted time series analysis.** *Birth.* 2021 December 26.
doi: 10.1111/birt.12606

Fay, E. Hugh O, Francis A, Katz R, Sitcov K, Souter V, Gardosi J. **Customized GROW vs INTERGROWTH-21 birthweight standards to identify small for gestational age associated perinatal outcomes at term.** *AJOG MFM.* 2021 Dec 4; 4(2):100545. doi: 10.1016/j.ajogmf.2021.100545.

Nethery E, Schummers L, Levine A, Caughey AB, Souter V, Gordon W. **Birth outcomes for planned home and licensed freestanding birth center births in Washington State.** *Obstetrics & Gynecology.* 2021 Nov 1;138(5):693-702. doi: 10.1097/AOG.0000000000004578

Levine A, Souter V, Sakala C. **Are Perinatal Quality Collaboratives Collaborating Enough? How Including All Birth Settings Can Drive Needed Improvement in the U.S. Maternity Care System.** *Birth.* 2022 Mar;49(1):3-10. doi: 10.1111/birt.12600. Epub 2021 Oct 26.

Chung E, Souter V, Painter I, Sitcov K. **Exclusive Breastfeeding in the Northwest: Disparities Related to Race/Ethnicity and Substance Use.** *Academic Pediatrics.* 2021 Sep 30;S1876-2859(21)00458-7. doi: 10.1016/j.acap.2021.09.016.



Tiwari, R, Enquobahrie D, Wander Pandora, Painter I, Souter, V. **A retrospective cohort study of race/ethnicity, pre-pregnancy weight, and pregnancy complications.** The Journal of Maternal-Fetal & Neonatal Medicine. 2021. June 8; 1-8. 10.1080/14767058.2021.1914573.

Edmonds JK, Weiseth A, Neal BJ, Woodbury SR, Miller M, Souter V, Shah NT. **Variability in Cesarean Delivery Rates Among Individual Labor and Delivery Nurses Compared to Physicians at Three Attribution Time Points.** Health Services Research. Vol 56 Issue 2; April 2021; 204-213.

Katz Eriksen JL, Souter VL, Napolitano PG, Chandrasekaran S. **Institutional prevalence of class III obesity modifies risk of adverse obstetrical outcomes.** American Journal of Obstetrics & Gynecology MFM. February 2020.

Souter VL, Nethery E, Kopas ML, Wurz H, Sitcov K, Caughey AB. **Comparison of Midwifery and Obstetric Care in Low-Risk Hospital Births.** Obstetrics & Gynecology. 2019; 134 (5) 1056-1065.

Howbert JJ, Kauffman E, Sitcov K, Souter V. **A Simple Approach to Adjust for Case-Mix When Comparing Institutional Cesarean Birth Rates.** American Journal of Perinatology. November 2019.

Souter V, Painter I, Sitcov K, Caughey A. **Maternal and Newborn Outcomes with Elective Induction of Labor at Term.** American Journal of Obstetrics & Gynecology. 2019; 220: 273 e1 – 273 e11

Francis A, Hugh O, Gardosi J. **Customized vs Intergrowth 21st Standards for the Assessment of Birthweight and Stillbirth Risk at Term.** American Journal of Obstetrics & Gynecology. 2018, 218, Issue 2, S692–S699.

Souter V, Kauffman E, Marshall AJ, Katon JG. **Assessing the potential impact of extending antenatal steroids to the late preterm period.** American Journal of Obstetrics & Gynecology. 2017; 217: 461.e1–461.e

Kauffman E, Souter VL, Katon JG, Sitcov K. **Cervical Dilation on Admission in Term Spontaneous Labor and Maternal and Newborn Outcomes.** Obstetrics and Gynecology. 2016;127(3):481-8.

ORAL PRESENTATIONS:

Souter V, Nethery E, McLean K, Sitcov K, Levy B. **Elective Induction of Labor in Nulliparas: has the ARRIVE trial changed obstetric practices and outcomes?** *Accepted for Society for Maternal Fetal Medicine Annual Meeting, February 2022, Kissimmee, FL.* Presenting author: Vivienne Souter.

Lengerich, BJ. Caruana R, Weeks W, Painter I, Spencer S, Daly, C, Souter V. **Length of labor and severe maternal morbidity in the NTSV population.** Society for Maternal Fetal Medicine Annual Meeting, Virtual Meeting, 2021. Presenting author: Vivienne Souter.

Chung EK, Painter I, Sitcov K, Souter V. **Disparities in exclusive breastfeeding rates in the Washington state: maternal race/ethnicity and substance use.** Pediatric Academic Societies Annual Meeting, Philadelphia, PA. May 2, 2020; Platform presentation. Presenting author: Chung EK. Meeting unexpectedly cancelled due to the COVID-19 pandemic. American Public Health Association Annual Meeting, virtual meeting, October 28, 2020; Platform presentation. Presenting author: Chung EK.

Chung E, Sitcov K, Painter I, Souter V. **Disparities in Exclusive Breastfeeding Rates in the Northwest: Maternal Race/Ethnicity and Substance Use.** Pediatric Academic Societies 2020 Meeting, May 2020, Philadelphia PA. Presenting Author: Esther Chung.

Simon R, Albright C, Hitti J, Katz R, Lokken E, Sitcov K, Painter I, Souter V. **Severe Maternal Morbidity Among Lower Risk Pregnancies.** Society for Maternal Fetal Medicine Annual Meeting, February 2020, Dallas TX. Presenting author: Rebecca Simon.

Souter V, Painter I, Sitcov K, Shah N. **Birth Without Intervention Among American Women.** International Normal Labor & Birth Research Conference, June 2019; UK. Presenting author: Kristin Sitcov.

Painter I, Souter V, Sitcov K, Caughey A. **The Impact of Elective Induction of Labor on Cesareans and Obstetric Outcomes.** Society for Maternal Fetal Medicine Annual Meeting, February 2019; Las Vegas NV. Presenting author: Vivienne Souter.

Souter V, Nethery E, Sitcov K, Wurz H, Kauffman E. **Outcomes in Low Risk Singleton Term Births by Intrapartum Provider Type.** International Normal Birth and Research Conference, June 2018 Ann Arbor Michigan. Presenting author: Vivienne Souter.

Souter VL, Kauffman E, Marshall AJ, Katon JK. **Assessing the potential impact of extending antenatal corticosteroid use.** Society for Maternal Fetal Medicine Pregnancy Meeting, January 2017, Las Vegas, NV. Presenting author: Vivienne Souter.

ABSTRACTS:

1. Bosschieter T, Xu Z, Lan H, Lengerich B, Sitcov K, Nori H, Caruana R, Painter I, Souter V. **Preterm Preeclampsia Prediction Using Intelligent Machine Learning.** Society for Maternal Fetal Medicine Annual Meeting, February 2023, San Francisco, CA.
2. Bosschieter T, Xu Z, Lan H, Lengerich B, Sitcov K, Nori H, Caruana R, Painter I, Souter V. **Unique Insights into Risk Factors for Antepartum Stillbirth Using Explainable AI.** Society for Maternal Fetal Medicine Annual Meeting, February 2023, San Francisco, CA.
3. Bosschieter T, Xu Z, Lan H, Lengerich B, Sitcov K, Nori H, Caruana R, Painter I, Souter V. **Understanding Risk Factors for Shoulder Dystocia Using Interpretable Machine Learning.** Society for Maternal Fetal Medicine Annual Meeting, February 2023, San Francisco, CA.
4. Bosschieter T, Xu Z, Lan H, Lengerich B, Sitcov K, Nori H, Caruana R, Painter I, Souter V. **Predicting Severe Maternal Morbidity at Admission for Delivery Using Intelligent Machine Learning.** Society for Maternal Fetal Medicine Annual Meeting, February 2023, San Francisco, CA.
5. Bosschieter T, Xu Z, Lan H, Lengerich B, Nori H, Sitcov K, Souter V, Caruana R. **Using Interpretable Machine Learning to Predict Maternal and Fetal Outcomes.** DSHealth, SIG Knowledge Discovery and Data Mining. August 2022. Washington DC.
6. Bosschieter T, Xu Z, Lan H, Lengerich B, Nori H, Sitcov K, Souter V, Caruana R. **Interpretable Machine Learning in Healthcare: A Case Study on Pregnancy.** Healthcare AI, International Conference on Machine Learning. July 2022. Baltimore MD.
7. Bosschieter T, Lan H, Xu Z, Lengerich B, Nori H, Caruana R, Souter V. **Using GAMs to Predict Maternal and Fetal Outcomes in Pregnancy.** XPO Research Symposium. May 2022, Stanford CA.
8. Souter V, Sitcov K, Caughey A. **Maternal and Newborn Outcomes with Long and Very Long Second Stage Duration.** Society for Maternal Fetal Medicine Annual Meeting, February 2022, Kissimmee, FL.
9. VanBlaricom A, Souter V. **Quality Metrics and Outcomes in Hospitals with and without OB-GYN Hospitalists.** Society of OBGYN Hospitalists Annual Meeting, September 2021, Chicago IL.



10. Lengerich, BJ, Caruana R, Weeks W, Painter I, Spencer S, Daly, C, Souter V. **Length of labor and severe maternal morbidity in the NTSV population.** American Journal of Obstetrics & Gynecology, Volume 224, Issue 2, S33.
11. Lengerich, BJ, Caruana R, Weeks W, Painter I, Spencer S, Daly, C, Souter V. **Insights into severe maternal morbidity in the NTSV population.** American Journal of Obstetrics & Gynecology, Volume 224, Issue 2, S629 - S630.
12. Kauffman E, Kline C, Dwyer E, Kline-Sharpe C, Albright C, Souter V. **Postpartum Readmission: Risk Factors and Diagnoses.** Society for Maternal Fetal Medicine Annual Meeting, February 2021, Virtual Meeting.
13. Olerich K, Fay E, Hwang J. **Cesarean section rates by induction of labor indication in diabetic pregnancies** American Journal of Obstetrics & Gynecology Vol. 224 Issue 2 S124–S125 Published in issue: February 2021.
14. Paek B, Walker M, Kline CR, Albright CM, DeRegt, Sitcov K, Souter V. **Excess risk of preterm delivery in monochorionic diamniotic twins: a review of 1536 twin pregnancies.** American Journal of Obstetrics & Gynecology Vol. 224 Issue 2S427 Published in issue: February 2021
15. Dwyer ER, Souter V, Sitcov K, Painter I. **Racial and Ethnic Disparities in Perinatal Process Measures.** Obstetrics & Gynecology. 135:34S, May 2020.
16. Nethery E, Painter I, Sitcov k, Souter V. **How much is too much? Intrapartum Interventions in a Term Singleton US Birth Cohort.** Obstetrics & Gynecology. 135:150S, May 2020.
17. Souter V, Nethery E, Painter I, Sitcov K. **Comparison of Outcome Measures in a US Birth Cohort against those in the National Maternity and Perinatal Audit.** Obstetrics & Gynecology. 135:158S-159S, May 2020.
18. Simon R, Hitti J, Sitcov K, Painter I, Souter V. **Severe maternal morbidity in lower-risk pregnancies** American Journal of Obstetrics & Gynecology, Vol. 222, Issue 1, S54–S55.
19. Olerich K, Souter V, Painter I, Sitcov K, Fay E, Hwang J. **Cesarean Birth Rates in Pregestational Diabetic Pregnancies.** Society for Maternal Fetal Medicine, February 2020, Dallas TX.
20. Fay E, Sienas L, Napolitano P, Sitcov K, Souter V, Emily E. **Over 50% of Nulliparous Women ≥40 Year of Age Will Have a Cesarean Delivery.** American College of Obstetrics & Gynecology, May 2019, Nashville TN.



21. Katz-Eriksen J, Souter V, MacKinnon H, Napolitano P, Chandrasekaran S. **Institutional Prevalence of Class III Obesity Modifies Risk of Cesarean Delivery for Obese Women.** Society of Maternal Fetal Medicine Annual Meeting, February 2019, Las Vegas NV
22. Fay E, Hugh O, Francis A, Souter V, Gravett M, Sitcov K, Gardosi J. **Customized Grow vs Intergrowth 21st Birthweight Standards for Identifying SGA Associated Perinatal Outcomes.** Society of Maternal Fetal Medicine Annual Meeting, February 2019, Las Vegas NV
23. Estrada S, Souter V, Painter I, Napolitano P, Kauffman E, Foglia L. **Impact of Late Preterm Steroid Guidelines on Antenatal Steroid Use.** Society of Maternal Fetal Medicine Annual Meeting, February 2019, Las Vegas NV
24. Kauffman E, Sitcov K, Souter V. **Evaluation of cesarean delivery without attempting vaginal birth** American Journal of Obstetrics & Gynecology. January 2018 Volume 218, Issue 1, Supplement, Pages S544–S545
25. Painter I, K, Kauffman E, Souter VL: **Obstetric risk factors and disparities in maternal outcomes in the Hispanic women in Washington State.** American Journal of Obstetrics & Gynecology. January 2018 Volume 218, Issue 1, Supplement, Page S545
26. Painter I, Sitcov K, Kauffman E, Souter VL: **Risk factors and disparities in maternal outcomes in racial minorities in Washington State.** American Journal of Obstetrics & Gynecology. January 2018 Volume 218, Issue 1, Supplement, Page S545
27. Souter V, Chien AJ, Kauffman E, Sitcov K, Caughey AB. **Outcomes associated with prolonged second stage of labor in nulliparas.** American Journal of Obstetrics & Gynecology January 2018. Volume 218, Issue 1, Supplement, Page S226
28. Souter V, Kauffman E, Chien AJ, Sitcov K, Caughey AB. **Length of the second stage of labor in nulliparas in a contemporary US hospital population.** American Journal of Obstetrics & Gynecology January 2018. Volume 218, Issue 1, Supplement, Pages S225–S226
29. Souter V, Sitcov K, Kauffman E. **Mode of delivery before and after publication of guidelines to reduce primary cesarean deliveries.** American Journal of Obstetrics & Gynecology January 2018. Volume 218, Issue 1, Supplement, Page S544
30. de Regt RH, Kauffman E, Marshall AJ, Souter VL. **Delivery management of dichorionic twins from the obstetrics clinical outcomes assessment program**



- (OB COAP).** American Journal of Obstetrics & Gynecology, January 2017 Volume 216, Issue 1, Supplement 216:S426
31. Howbert JJ, Marshall AJ, Kauffman E, Souter VL. **Computer modeling to evaluate variation in cesarean delivery rates.** American Journal of Obstetrics & Gynecology January 2017 Volume 216, Issue 1, Supplement: S516
 32. de Regt RH, Katon JK, Kauffman E, Marshall AJ, Souter VL. **To push or not to push: delivery management and newborn outcomes in dichorionic twins.** American Journal of Obstetrics & Gynecology January 2017. Volume 216, Issue 1, Supplement S529
 33. Souter VL, Kauffman E, Marshall AJ, Katon JK. **Assessing the potential impact of extending antenatal corticosteroid use.** American Journal of Obstetrics & Gynecology, January 2017. Volume 216, Issue 1, Supplement Vol. 216; S12
 34. Howbert JJ, Marshall AJ, Kauffman E, Souter VL. **Computer Modeling to evaluate variation in cesarean delivery rates.** American Journal of Obstetrics & Gynecology. January 2017. Volume 216, Issue 1, Supplement, S516
 35. Souter V, Katon J, Chien A, Kauffman E, Sitcov K **The Robson Classification: Monitoring and Comparing Cesarean Delivery Rates** Obstetrics & Gynecology 2016;127(5) (suppl):131S
 36. Howbert JJ, Souter V, Kauffman, E, Sitcov, K. **Computer Modeling to Predict Cesarean Delivery in Term Nulliparas [28N].** Obstetrics & Gynecology. 2016;127(5) (suppl):122S
 37. Sitcov K, Katon J, Souter V, Kauffman E. **Improving Labor Management Practices & Outcomes for Mothers & Babies in Washington State: The Obstetrics Clinical Outcomes Assessment Program.** CityMatch Meeting Salt Lake City UT, September 2015
 38. Chien A, Sitcov K, Katon J, Souter V, Kauffman E. **Can we Reduce the Primary Cesarean Section Rate? The Obstetrics Clinical Outcomes Assessment Program (OB COAP) shows it can be done.** CityMatch Meeting Salt Lake City UT, September 2015