



IMPLICIT: Interventions to Minimize Preterm and Low birth weight Infants using Continuous quality Improvement Techniques Grant

Minnesota Department of Health's (MDH)

Children and Youth with Special Health Needs (CYSHN) Section

March 14, 2020

Grant Request for Proposal

- Grant Period: August 1, 2020 to June 30, 2025
- Notice of intent deadline: April 5, 2020
- Application deadline: April 22, 2020

Eligible Applicants

Individuals, not-for-profit organizations, for-profit organizations, and health centers with clinical quality improvement experience.

- Multi-organization collaboration with the national IMPLICIT Network, clinic sites, and MDH is required for this grant.
- Estimated number of awards - 1
- Estimated amount to grant - \$75,000 annually

Interventions to Minimize Preterm and Low birth weight Infants using Continuous quality Improvement Techniques



IMPLICIT Network

"Preventing prematurity one woman at a time"

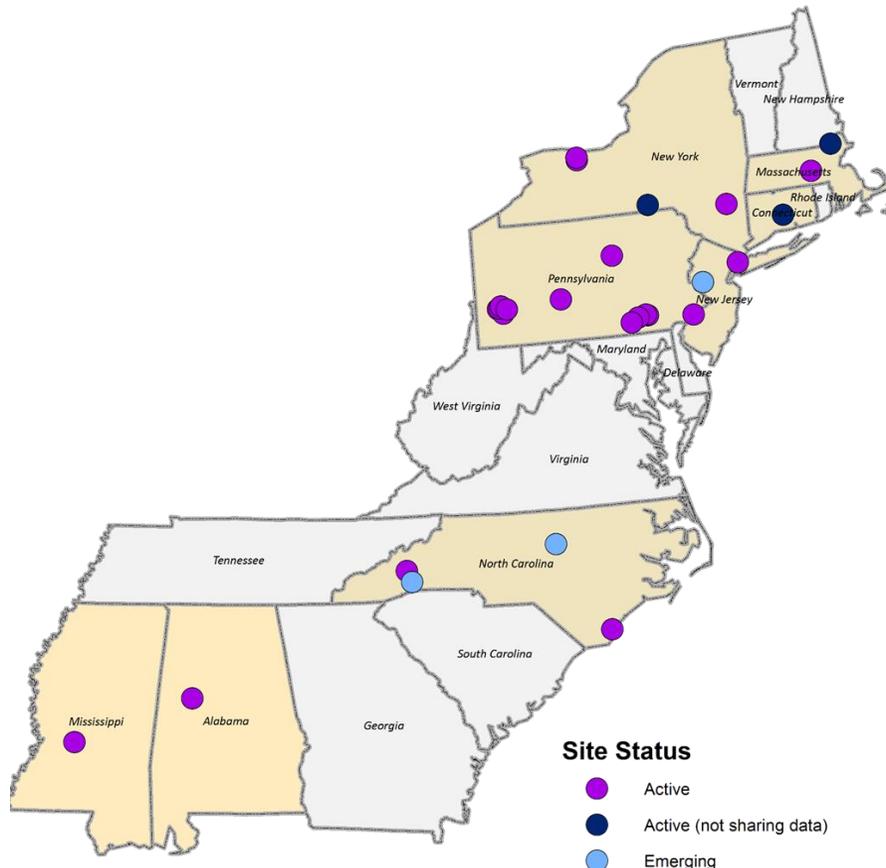
About the intervention

Acknowledgements

- Special thanks to the IMPLICIT Network and Dr. Ian Bennet for providing the data and information for this PowerPoint.
- Information provided developed from IMPLICIT Toolkit and the *IMPLICIT ICC: Improving Birth Outcomes through Interconception Care at Well Child Visits- Presentation*.

Rosener, S. E., et al, 2016.

National IMPLICIT Network



- Established in 2003
- Initial work during pregnancy
- Current focus interconception care
- 27 sites in IMPLICIT Network
- 22 sites have implemented ICC as a standard of care
- 19 sites are sharing data with the Network

IMPLICIT in Clinical Practice

- The IMPLICIT model utilizes time in the well-child visit, to incorporate maternal risk assessments for mother to improve birth outcomes.
- Focused on 4 behavioral risk affecting future birth outcomes:
 - Smoking
 - Depression
 - Family planning & birth spacing
 - Multivitamin with folic acid use

IMPLICIT Interconception Care Model



Screen Mom During
Well Child Check



Smoking

- Assess maternal smoking status
- Recommend cessation



Depression

- Two question screen for depression
- Screen for safety/symptoms
- Refer as needed



Family Planning

- Assess for contraception use
- Educate on birth spacing
- Offer contraception appointment



Multivitamin with Folic Acid

- Assess for multivitamin use
- Educate on benefits of folic acid
- Offer vitamin prescription

IMPLICIT ICC Toolkit

- The IMPLICIT ICC Toolkit is a guide to the implementation of IMPLICIT with examples of the model in practice.
- [Click Here for Toolkit](#)



Data Analysis

Data Analysis



- The IMPLICIT Network has already developed a data repository in REDCap for sites to use.
- REDCap is user friendly, and allow sites to import and export their findings to share with partners and stakeholders.

National IMPLICIT Network Findings

Fall 2017	Fall 2018	Fall 2019
25 Sites in IMPLICIT Network	27 Sites in IMPLICIT Network	28 Sites in IMPLICIT Network
21 sites have implemented ICC as standard of care	22 sites have implemented ICC as standard of care	25 sites have implemented ICC as standard of care
18 sites are sharing ICC data with the Network in REDCap	19 sites are sharing ICC data with the Network in REDCap	21 sites are sharing ICC data with the Network in REDCap

Fall 2017	Fall 2018	Fall 2019
7,849 mom/baby dyad	13,796 mom/baby dyad	21,445 mom/baby dyad
25,098 WCV	44,206 WCV	72,810 WCV
18,357 WCV with ICC	32,729 WCV with ICC	53,851 WCV with ICC

*ICC means interconception care

*WCV means well child visit

IMPLICIT ICC Model Summary

- IMPLICIT has developed an ICC model with:
 - Refined evidence based focus
 - Clinical screening tools
 - Provider training
 - Patient education materials
 - Data management system
- This model is a brief, innovative, sustainable model that can be used to improve family health and the health of future pregnancies

Additional Resources

- Rosener, S. E., et al. “Interconception Care for Mothers During Well-Child Visits With Family Physicians: An IMPLICIT Network Study.” *The Annals of Family Medicine*, vol. 14, no. 4, 2016, pp. 350–355., doi:10.1370/afm.1933.
- Srinivasan, Sukanya, et al. “Delivering Interconception Care During Well-Child Visits: An IMPLICIT Network Study.” *The Journal of the American Board of Family Medicine*, vol. 31, no. 2, 2018, pp. 201–210., doi:10.3122/jabfm.2018.02.170227.



**DEPARTMENT
OF HEALTH**

Thank you!
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