

Safe Sleep Community Baby Shower and Crib Clinic Report

Fiscal Year 2023

Prepared for Kansas Infant Death and SIDS Network

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Executive Summary

The Kansas Infant Death and SIDS (KIDS) Network in collaboration with their certified Safe Sleep Instructors hosted 127 Safe Sleep events (Safe Sleep Community Baby Shower, n=42; Safe Sleep Crib Clinics, n=85) in 43 Kansas counties, and 1 Arizona county. A total of 2,023 individuals attended these events. Of those, 1,290 birthing persons participated in the pre- and post-surveys. Due to missing data and incorrect forms, data for 1,103 participants were included in the report.

Most participants identified themselves as non-Hispanic White (58%). Participants most frequently reported being married (45%), having a high school diploma or GED (47%), being insured by KanCare/Medicaid (52%), and receiving prenatal services at a private provider's office (44%).

Most participants reported being more confident in safe sleep practices, avoiding secondhand smoke, breastfeeding, ability to follow safe sleep recommendations even when receiving conflicting advice, recognizing signs and symptoms of perinatal depression or anxiety, and accessing screening or support for symptoms of perinatal depression or anxiety and substance use disorders. If participants had not received a portable crib from this event, 26% (n=279) may not have had access to a clean, smoke-free, damage-free crib, bassinet, or portable crib. Most participants (84%) were very satisfied with the Safe Sleep events held in Fiscal Year 2022.

Safe Sleep

Following the events, participants demonstrated a statistically significant increase in intention to follow safe sleep practices related to placing baby only on the back to sleep (80% vs 97%; p<0.001), on only a safe sleep surface (crib, portable crib or bassinet; 87% vs 95%; p<0.001) and only including safe items (firm mattress, fitted sheet or wearable blanket; 66% vs 91%; p<0.001). Most participants planned to discuss safe sleep with others after attending the Safe Sleep Community Baby Shower (64% vs 99%; p<0.001). After the events, most participants (98%) indicated knowing at least one person who will support safe sleep for their baby.

Tobacco

When asked about current tobacco use (including e-cigarettes), most participants (89%) reported not using tobacco in the previous six months. Following the event, there was a statistically significant increase in participants who would never allow tobacco use inside home or car (89% vs 95%; p<0.001), knowledge of three ways to avoid secondhand smoke exposure (73% vs 94%, p<0.001) and knowledge of at least three local resources for tobacco cessation (17% vs 41%; p<0.001).

Breastfeeding

There was an increase in intention to breastfeed for longer than six months (62% vs 66%; p<0.001) following the events. From pre- to post-survey there was a statistically significant increase in knowledge of three local resources to support breastfeeding (28% vs 56%; p<0.001).

Perinatal Mental Health

Following the events, there was a non-significant increase in participants knowledge of ways to reduce the risk of depression, anxiety, and other mood disorders (96% vs 97%; p=0.401) and a significant increase in knowledge of three perinatal mental health resources (32% vs 52%; p<0.001). Most participants (91%; n=981) reported knowing at least one person who they can call to talk about their feelings or any concerns about their mental health.

Substance Use

Following the events, participants demonstrated an increase in knowledge of three resources that provide support for substance use disorders (24% vs 38%; p<0.001).

Safe Sleep Community Baby Shower

Attendance

During Fiscal Year 2023, 127 Safe Sleep events (Safe Sleep Community Baby Showers, n=42; Safe Sleep Crib Clinics, n=85) were conducted in 43 Kansas counties and 1 Arizona county. A total of 2,023 individuals attended these events. Of those, 1,290 women participated in the pre- and post-surveys. Event attendance ranged in size from individual crib clinics to Safe Sleep Community Baby Showers with 182 attendees (median attendance = 2).

Table 1. Safe Sleep Event Attendance						
	Т	otal	Commun	nity Baby Shower	Cri	b Clinic
	Events	Attendees	Events	Attendance	Events	Attendance
Sedgwick	35	483	7	437	28	46
Allen	2	67	1	65	1	2
Anderson	1	21	1	21	0	0
Atchison	1	30	1	30	0	0
Barton	6	64	1	56	5	8
Bourbon	3	8	0	0	3	8
Butler	1	150	1	150	0	0
Cloud	1	10	1	10	0	0
Cowley	2	18	1	17	1	1
Crawford	10	26	1	17	9	9
Douglas	2	4	0	0	2	4
Finney	2	62	1	60	1	2
Geary	1	60	1	60	0	0
Harvey	2	19	1	18	1	1
Haskell	1	75	1	75	0	0
Hodgeman	1	9	1	9	0	0
Jackson	1	5	1	5	0	0
Johnson	12	83	1	68	11	15
Kearny	1	4	1	4	0	0
Labette	1	1	0	0	1	1
Leavenworth	2	86	1	85	1	1
Lyon	1	85	1	85	0	0
Marshall	2	3	0	0	2	3
Marion	3	26	1	24	2	2
McPherson	1	10	0	0	1	10
Miami	3	6	1	4	2	2
Montgomery	1	20	1	20	0	0
Morris	1	35	1	35	0	0
Nemaha	1	120	1	120	0	0
Neosho	2	18	1	17	1	1
Ness	1	8	0	0	1	8
Pawnee	1	20	1	20	0	0
Pratt	1	1	0	0	1	1
Reno	3	34	1	29	2	5
Republic	1	10	1	10	0	0
Riley	3	127	1	125	2	2
Saline	1	43	1	43	0	0
Shawnee	1	75	1	75	0	0
Stafford	4	7	0	0	4	7
Sumner	1	1	0	0	1	1
Wilson	1	18	1	18	0	0
Wyandotte	3	29	3	29	0	0
Virtual - Statewide KS	2	2	0	0	2	2
Phoenix, Arizona	1	40	1	40	0	0
TOTAL	127	2023	42	1881	85	142

Demographics

During Fiscal Year 2023, 1,290 women attended a Safe Sleep education event and completed pre- and post-surveys. Of those, 1,155 (90%) attended a Safe Sleep Community Baby Shower and 135 (10%) a Safe Sleep Crib Clinic. Ninety pre- and post-surveys were removed due to incorrect data form used at the event. An additional, 34 pre-surveys and 63 post-surveys were also removed due to missing data. Therefore, data for 1,103 (92%) participants is included in this report. Of those included, 128 (12%) participants attended a Spanish-language event, see Appendix A.

Most participants identified themselves as non-Hispanic White (58%; Table 2). Participants most frequently reported being married (45%), having a high school diploma or GED (47%), being insured by KanCare/Medicaid (52%), and receiving prenatal services at a private provider's office (44%).

Table 2. Participant Characteristics (n=1,103)

	n (%)		n (%)
Number of Support People Attending		Mother's Education	
0-18 years (median, range)	0 (0-9)	Some High School	148 (13)
18+ years (median, range)	1 (0-7)	High School Graduate or GED	516 (47)
Age (mean, SD)	27 (6)	2-Year Community College Graduate	107 (10)
Primary Language		4-year College Graduate	177 (16)
English	975 (88)	Graduate School	100 (9)
Spanish	128 (12)	Other	49 (5)
Race/Ethnicity		Insurance Status	
Non-Hispanic White	633 (58)	KanCare/Medicaid	580 (52)
Hispanic	265 (24)	Private Insurance	334 (30)
Non-Hispanic Black	116 (11)	Self-Pay	115 (11)
Multiracial	42 (4)	Military	29 (3)
Other	38 (3)	Managed Care Organization/Marketplace	7 (1)
Marital Status		Other	29 (3)
Single	371 (34)	Prenatal Care Provider	
Married	497 (45)	Private Provider's Office	474 (44)
Partnered	206 (19)	Hospital Clinic	333 (31)
Separated	12(1)	Community Health Clinic	155 (14)
Other*	8 (1)	County Health Department	67 (6)
Partner Race/Ethnicity		Other**	31 (3)
Non-Hispanic White	538 (49)	Clinic at Work or School	8 (1)
Hispanic	233 (21)	No Prenatal Care Provider	19 (2)
Non-Hispanic Black	123 (11)		
Multiracial	34 (3)		
Other	26 (2)		
Not Applicable/Choose not to answer	149 (14)		

Note. Missing data due to non-response: race/ethnicity (n=9); marital status (n=9); education level (n=6); insurance status (n=9) and prenatal care provider (n=16).

^{*}Other – Marital Status: divorced, widowed.

^{**}Other - Prenatal Care Provider: emergency room/urgent care, other.

Safe Sleep

Prior to the Safe Sleep Community Baby Showers, 864 (80%) participants reported they would place their baby only on the back to sleep (Table 3). Of the participants who indicated other responses, side (n=108; 51%), unsure (n=69; 33%), and tummy (n=52; 25%) were reported. When asked about anticipated sleep surfaces, 948 (87%) reported only a safe surface (i.e., crib, portable crib, or bassinet). Other responses included adult bed (n=40; 28%), swing (n=33; 23%), don't know/unsure (n=29; 20%), my bed (n=26; 18%), car seat (n=22; 15%), toddler bed (n=16; 11%), couch/sofa/armchair (n=10; 7%), other (n=6; 4%), and twin or larger bed (n=1; 1%). When asked about items already in or planned for infant's sleep areas, 691 (66%) reported only safe items (i.e., firm mattress, fitted sheet or wearable blanket). The remaining participants reported unsafe items such as loose blankets (n=185; 52%), bumper pads (n=107; 30%), stuffed toy (n=81; 23%), pillow (n=63; 18%), sleep positioner (n=51; 14%), home cardiorespiratory monitor (n=37; 10%), lounger pillow (n=31; 9%), other (n=40; 11%), and weighted blanket (n=11; 3%).

Following the events, participants demonstrated a significant increase in intention to follow safe sleep practices related to only placing their baby on the back to sleep (n=1,043, 97%; p<0.001), anticipated sleep surfaces (n=1038, 95%; p<0.001) and anticipated crib items (n=957, 94%; p<0.001). Of those who indicated unsafe sleep position, side (n=15; 48%), tummy (n=15; 48%) and don't know/unsure (n=3; 10%) were reported. Of those who indicated unsafe sleep surfaces, my bed (n=25; 48%), adult bed (n=12; 23%), toddler bed (n=9; 17%), swing (n=6; 12%), other (n=4; 8%), couch/sofa/armchair (n=3; 6%), car seat (n=2; 4%), twin or larger bed (n=2; 4%), and don't know/not sure (n=1; 2%) were reported. Unsafe items in the sleep environment reported included loose blankets (n=45; 50%), bumper pad (n=27; 30%), home cardiorespiratory monitor (n=21; 23%), pillow (n=20; 22%), a sleep positioner (n=15; 17%), stuffed toy (n=10; 11%), lounger pillow (n=8; 9%), weighted blanket (n=4; 4%) and other (n=3; 3%). Most participants (n=1,060; 99%) planned to discuss safe sleep with others after attending the Safe Sleep Community Baby Shower (p<0.001). After attending the events, most participants (n=1081, 98%) indicated they know at least one person who will support safe sleep for their baby. If participants had not received a portable crib from this event, 279 (26%) may not have had a safe sleep surface available for their infant. Specifically, 113 (11%) would not have had access to a clean, smoke-free, damage-free crib, bassinet, or portable crib and 166 (16%) were not sure.

Table 3. Changes in Intended Safe Sleep Practices (n=1,103)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Anticipated sleep position			<0.001*
Back only	864 (80)	1043 (97)	
At least one unsafe position	210 (20)	31 (3)	
Anticipated sleep surface			< 0.001*
Only safe surfaces (crib or bassinet only)	948 (87)	1038 (95)	
At least one unsafe surface	142 (13)	52 (5)	
Anticipated crib items			< 0.001*
Only safe items (firm mattress, fitted sheet, or wearable blanket only)	691 (66)	957 (91)	
At least one unsafe item	356 (34)	90 (9)	
Inclined Sleep Surface*			< 0.001*
Safe (no)	504 (72)	666 (96)	
Unsafe (yes, not sure)	194 (28)	31 (4)	
Anticipated Sleep Location*			N/A
My/parent room	638 (58)	674 (61)	
Other shared room (with children or adults)	43 (4)	29 (3)	
Other private room (baby's room or nursery)	197 (18)	172 (16)	
Have or plan to discuss safe sleep with others			< 0.001*
Yes	691 (64)	1060 (99)	
No	385 (36)	16(1)	
Know at least one person who will support Safe Sleep			N/A
Yes		1081 (98)	
No		9 (1)	
Not Sure		7(1)	

Note. *p-value* <.05 indicates statistically significant difference between pre- and post-survey responses. Missing data: position (n=29); surface; (n=13); items (n=56); inclined (n=53); talk with others (n=27); one person (n=6) *Ouestion added November 1, 2022

Tobacco

When asked about tobacco use (including e-cigarettes) on the pre-survey, most participants (n=976; 89%) reported not using in the six months prior to the Safe Sleep Community Baby Showers or Safe Sleep Crib Clinics. Of those of who responded they had used tobacco in the previous six months, 19 (17%) reported not using currently, 76 (67%) reported daily use, 14 (12%) reported weekly use and 4 (4%) reported monthly use.

Prior to the Safe Sleep Community Baby Showers, 947 (89%) participants reported they would never allow tobacco use (including e-cigarettes) inside their home or car (Table 4). In addition, 773 (73%) reported knowing three ways to avoid secondhand smoke exposure for their baby. When asked about local resources to support efforts to quit tobacco use, 163 (17%) reported knowing three or more resources.

Following the Safe Sleep Community Baby Showers, 1,008 (95%) participants would not allow tobacco use inside their home or car (p<0.001). In addition, 991 (94%) participants reported knowing at least three ways to avoid secondhand smoke exposure for their baby (p<0.001). When asked about local resources, 395 (41%) participants reported knowing at least three to support efforts to quit tobacco (p<0.001).

Table 4. Smoking Exposure, Cessation Resources, and Intent to Quit (n=1,103)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Secondhand exposure in home or car			<0.001*
Never	947 (89)	1008 (95)	
Daily	86 (8)	41 (4)	
Weekly	19 (2)	6(1)	
Monthly	8 (1)	5 (<1)	
Know at least 3 ways to avoid secondhand exposure			< 0.001*
Yes	773 (73)	991 (94)	
No	280 (27)	62 (6)	
Know at least 3 <u>local resources</u> for tobacco cessation			< 0.001*
Less than 3	811 (83)	579 (59)	
3 or more	163 (17)	395 (41)	
Interested in quitting tobacco use [¥]			N/A
Yes, in the next 30 days	38 (41)	51 (46)	
Yes, but not now	24 (26)	36 (32)	
I'm not ready to quit	31 (33)	24 (22)	

Note. Missing data: secondhand exposure (n=43); three ways to avoid secondhand exposure (n=50); three local resources for tobacco cessation (n=129); interest in quitting tobacco use (pre-survey, n=23; post-survey, n=5).

^{*}p-value <.05 indicates statistically significant difference between pre- and post-survey responses.

^{*}Based on current smokers only.

Breastfeeding

Prior to the Safe Sleep Community Baby Showers, 625 (62%) participants intended to breastfeed for longer than six months. When asked about local breastfeeding resources, 291 (28%) knew three or more.

After the event, 660 (66%) participants planned to breastfeed for longer than six months (p<0.001). Participants reported an increase in knowledge of local breastfeeding resources, with 575 (56%) reporting knowing at least three or more (p<0.001).

Table 5. Breastfeeding Intent, Confidence, and Knowledge of Resources (n=1,103)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Likelihood of breastfeeding*			0.003*
Don't plan to breastfeed	29 (8)	30 (8)	
Not Likely	6 (2)	1 (<1)	
Somewhat Likely	53 (15)	41 (12)	
Very Likely	268 (75)	284 (80)	
Intended length of time breastfeeding			< 0.001*
Don't plan to breastfeed	98 (10)	85 (8)	
6 months or less	278 (28)	256 (26)	
Longer than 6 months	625 (62)	660 (66)	
Confidence in ability to breastfeeding for length of time*			0.007*
6 months or less	138 (43)	125 (39)	
Longer than 6 months	181 (57)	194 (61)	
Knowledge of at least 3 local breastfeeding resources			<0.001*
Less than 3	745 (72)	461 (44)	
3 or more	291 (28)	575 (56)	

p-value <.05 indicates statistically significant difference between pre- and post-survey responses. Note. Missing data: breastfeeding duration (n=102); breastfeeding confidence (n=37); three local breastfeeding resources (n=67).

^{*}Question removed on November 1, 2022.

Perinatal Mental Health

Prior to the Safe Sleep Community Baby Showers, most participants (n=1,016, 96%) reported only safe risk reduction strategies for depression, anxiety, and other mood disorders (Table 6). Of those who reported unsafe risk reduction strategies, withdraw from daily activities (n=34; 83%) and use alcohol, caffeine, or other substances to cope (n=12; 29%) were reported. When asked about perinatal mental health resources, 339 (32%) knew three or more.

After the event, most participants (n=1,023, 97%) reported safe risk reduction strategies (p=0.401), though not significant changes was observed. Of the participants who indicated non-safe responses, withdraw from daily activities (n=32; 94%) and use alcohol, caffeine, or other substances to cope (n=3; 9%) were reported. Participants reported an increase in knowledge of three or more perinatal mental health resources (n=549, 52%; p<0.001). In addition, the majority of participants (n=981, 91%) reported knowing at least one person with whom they can talk about their feelings or any concerns about their mental health.

Table 6. Knowledge of Perinatal Mental Health (n=1,103)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Ways to reduce risk of depression, anxiety, and other mood			0.401
disorders			
Only safe reduction strategies	1016 (96)	1023 (97)	
At least one unsafe strategy	41 (4)	34 (3)	
Knowledge of at least 3 perinatal mental health resources	. ,	. ,	< 0.001*
Less than 3	709 (68)	499 (48)	
3 or more	339 (32)	549 (52)	
Know at least one person to who will support mental health			N/A
concerns			
Yes		981 (91)	
No		81 (8)	
Not Sure		12(1)	

Note. Missing data: ways to reduce risk (n=46); perinatal mental health resources (n=55); support person (n=29). *p-value <.05 indicates statistically significant difference between pre- and post-survey responses.

Substance Use

When asked about substance use resources, 161 (24%) reported knowing three or more prior to the event. Following the Safe Sleep Community Baby Showers, 254 (38%) reported knowing more than three resources that provide support for substance use disorders (p<0.001).

Table 7. Knowledge of Substance Use Resources (n=1,103)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Knowledge of at least 3 substance use resources			p<0.001
Less than 3	500 (76)	407 (62)	-
3 or more	161 (24)	254 (38)	

^{*}p-value <.05 indicates statistically significant difference between pre- and post-survey responses. Missing data (n=90).

Confidence (post-survey only)

Following the Safe Sleep Community Baby Showers, most participants reported being more confident in safe sleep practices, avoiding secondhand smoke, breastfeeding, ability to follow safe sleep recommendations even when receiving conflicting advice, recognizing signs and symptoms of perinatal depression or anxiety, and accessing screening or support for symptoms of perinatal depression or anxiety and substance use disorders (Table 8).

Table 8. Confidence (post-survey only) (n=1,103)

	Less Confident	No Change	More Confident
	n (%)	n (%)	n (%)
Get baby to sleep on his/her back	9 (1)	112 (10)	963 (89)
Have baby sleep in my room, but separate crib, portable	8 (1)	117 (11)	957 (88)
crib, or bassinet			
Keep loose blankets out of crib	40 (4)	145 (13)	899 (83)
Avoid secondhand smoke	14 (1)	160 (15)	909 (84)
Breastfeed only	8 (1)	163 (15)	911 (84)
Follow safe sleep recommendations even when people give	4(1)	73 (6)	1004 (93)
different advice			
Recognize signs and symptoms of perinatal depression or	5 (1)	130 (12)	952 (87)
anxiety			
Access screening or support for symptoms of perinatal	7 (1)	134 (12)	936 (87)
depression or anxiety			
Access screening or support for substance use disorders, if	3 (1)	124 (17)	576 (82)
needed			

Note. Missing data due to non-response: sleep on back (n=19); baby sleep in room (n=21); loose blankets (n=19); secondhand smoke exposure (n=20); breastfeeding (n=21); following safe sleep recommendations (n=22); recognize signs and symptoms (n=16), access perinatal depression or anxiety screening (n=26), access substance use support (n=48).

Event Satisfaction (post-survey only)

Overall, participants reported being very satisfied (84%) or satisfied (13%) with the Safe Sleep Community Baby Showers and Safe Sleep Crib Clinics held in Fiscal Year 2023.

Table 9. Overall Event Satisfaction (post-survey only) (n=1,103)

	n (%)
Very Satisfied	907 (84)
Satisfied	143 (13)
Neutral	12 (1)
Dissatisfied	0 (0)
Very Dissatisfied	18 (2)

Note. Missing data due to non-response (n=23).

Participant Comments and Suggestions

- A little hard to hear from the back
- Agradezco su voluntad y esfuerzo. Pondre a practica todo recomendaciones.
- amazing program! Very informative and enjoyable!
- Amazing program.
- Amazing Resources and amazing info!
- Amazing way to see everything the community offers for om and baby. Necessary things that moms can do to provide for baby as well as safety tips.
- Answered all questions that didn't know we needed to ask.
- Answered and explained information to all my questions and concerns.
- [SSI name removed]Antoinette was knowledgable about safe sleep and i was appreciated of her sharing her story and being so caring and showing empathy.
- Aprendi algo nuevo
- Aprendi muchas cosas sobre como dormir a mi bebe que antes yo no sabia
- aprendi nuevas cosas y a tener confianza en midesicion al cuidado de mi bebe
- Awesome and quick! Very informative.
- Awesome free resources and great information
- Awesome Information
- Awesome information for a first time mom! Thank you!
- Awesome!
- Because I learned more about how baby should sleep so he is safe
- Because it game me reassurance on things I need to avoid and need to do.
- Been trained on new guidance for safe sleep at work.
- Bigger space and larger classes for safe sleep so it is not so crowded.
- Cannot breastfeed due to breast reduction surgery. Training was very well done. Enjoyed talking to trainer invited her back unfortunately I know about SIDS one year anniversary is this week from losing my other child to SIDS last year he was three months old want my newborn to be safe. My baby has digestion issues so has to sleep angled and elevated to avoid urping.
- clear, simple information that explains how to handle following safe sleep despite others opinions.lifestyles
- Comfier chair maybe and less standing for pregnant women
- Da informasion importante
- Did a great job organizing and setting up this event Discussing how to take care of the baby is very important. All of the information that was given was very appreciated to learn.
- Doing an amazing job, keep at it!
- Each vendor was very friendly and knowledge on services offered and resources
- El evento fue muy grato para nosotros muy importante la platica y el evento
- Es un evento que today mojer embarazada debe de tomar para conocer como es la forma correcta de dormir a los beloes
- Estan muy bien organizados
- Even though you have had a baby before there is always new information and resources I learned about many resources that were not available.
- Event seems rushed, I have hardly hit any tables and it's almost 12:00 pm
- Everyone is so helpful and cheerful
- Everyone was very informational
- Everyone was very knowledgeable & helpful with my questions
- Everything was great
- Everything worked perfectly.
- Excellent event
- Excellent information with Spanish support.
- Found information very useful, hadn't been following but will be now.
- Found really helpful breastfeeding resources & tongue tie resources that I didn't know about. Do it again!

- Fue de mucha ayuda aprendi mucho.
- Fue muy buena muestra
- Fun event!
- Gave me more advice for my baby
- glad this is available
- Good information to keep baby safe!
- Good information, presented in a comfortable environment. Thank you!
- Good information!
- Good teacher
- GRACIAS POR LA INFORMACION. SERA DE MUCHA UTILIDAD.
- Great bilingual balance, would love a copy of P.P. if possible [email address removed]
- great class!
- Great event, thank you!
- great event, very very helpful
- Great event!
- Great event! It is awesome to see all of these resources that are available in our community.
- Great event! More event details on what all to expect. This is more than I expected!
- Great event! Very informative!
- Great event. Very helpful and valuable resources for our community.
- Great info, thank you
- great info!
- great information!
- Great Instructor
- Great Job!
- Great learning experience
- Great resources!
- Great service provided
- [SSI name removed] was very knowledge and encouraged questions and very supportive. thank you
- Hard to hear but very informative.
- I enjoyed it, I learned a lot as a first time mom
- I feel that people can really learn from this class especially first time moms and young teens who are expecting.
- I found it great Learning that sleeping on back is best because in the past I allowed y little ones to also sleep on their side.
- I got a lot of good information and tips. This helped me out a lot! :-)
- I have more information
- i just want to say thank you to antoinette for being so kind and nice. she was really helpful and knowledgable. She knew everything about safe sleep and you can tell she is passionate about it. I feel more confident about bringing my baby into this world.
- I just want to say this is truly a blessing for me and my wife. Thank you so much! Training was much appreciated.
- I learned a lot today.
- I learned so much about baby safety!!!
- I like it a lot because I have learned a lot here.
- I like the organization of it.
- I liked it a lot. They were very kind. Even though I speak little of English the facilitators tried to explain for us to understand.
- I love all the tips and goodies. Thank you for helping out all of the moms!
- I love this program. Thank you so much for this gift!
- I loved the event. Everyone was super kind and organized.
- I loved the virtual crib clinic! It was very informative, the instructor is extremely thorough, didn't rush at all, & asked us questions with genuinely wanting to know our answers! [SSI name removed] was amazing!!

- I personally feel its outdated. Other countries safely co-sleep and have almost no SIDS, also didn't they figure out SIDS is linked to a low enzime?
- I really enjoyed the overall community that brought this ABC group together. The women did a really wonderful job.
- I really like that everyone was very informative and answer all questions that we had.
- I think it was a great event and we got to learn about different resources in the community. I'm still new to the area so for me it was very helpful.
- I think this is a wonderful resource for new or moms who have kids
- I was here as a single dad and occasionally I was not acknowledged. I encourage the facilitators to consider single dads.
- I'm on waiting list for substance use but have only used once since learning of pregnancy
- I'm very grateful thank you!
- I'm very satisfied because I learned many things and got more knowledge of things I had doubts about.
- It could be helpful to talk about active sleep. Sometimes parents assume the baby is awake before they really are, and go through a lot of grief.
- It feels good to know there's help for new mom's like myself.
- It good
- It has been 4 years since my last child it was great haring everything and made me feel better about my baby and sleeping.
- It is a great educational event! Would love to see more vendors, ie. Kansas Breastfeeding Coalition. Great event, thank you for hosting this for local families.
- it very educational and easy to understand
- It was a lovely event and thanks to everyone that helped. God bless everyone.
- it was very helpful
- [SSI name removed] is amazing at helping educate me on new things to help my babies.
- La maestra nos enseño mucho y es muy atenta.
- Learned a lot more than expected and I am glad I am not alone.
- Learned about several resources around town that can help.
- Learned new information today after working with kids for years. Thank you! Plan to share information learned.
- learned something new on how baby is suppose too sleep
- Lots of great info!
- Lots of great resources and info!
- Lots of information everywhere (haha)
- Love it as daughter has just a few to go
- Love it! Would love our church(Belleville FUMC) to host this for Republic County! :-)
- Love the information and smiling faces
- Love the support and information
- Love this! Having access to things like this is extremely helpful
- Loved all of the childcare resources.
- Loved it! I always appreciate more advice to help me feel more confident in my parenting.
- Loved the course!
- Make it adoption friendly
- Maybe having a sign outside to reduce location miscommunication and confusion.
- Me ayudo como evitar muerte de cuna
- me encanto la chavla que dieson hoy
- me gusto el tiempo que toman para explicar nuestres dudas
- Me gusto mucho la clase por que aprendí cosas que no savia.
- Me gusto todo, quede muy satisfecha..
- more floor space
- more space; better location.
- Mucha informacion valiosa y apredes a conocer mas recursos.
- muchas gracias tod exelente

- muchas gracias todo excelente
- Muy buena conferencia
- Muy buena informacion.
- MUY BUENA INFORMACION. MANTENGAN ESTOS EVENTOS.
- Muy bun prograna mucha ayuda
- Muy interesante
- nay muchos programas de apoyo
- No comments
- No one talked about the ways to avoid second hand smoke
- No, it was great!
- Nothing, it was very educational!
- Perfecto
- Please expect for a great trun out next time. 'Thanks for Everything'
- por que me brindaron mucha infomacion importance
- por que es muy buena la platica
- Por que me an explicado como dormir a mi bebe. Me gusto mucho la manera en la que explico las cosas.
- porque medieron informasion que llonosia
- Porque nos ayudan a saber mas de como cuidar a nuestros hijos
- pues toda la informacion esta muy bien les agradesco mucho
- Que el evento tenga mas espanol
- Ready for second baby!
- Really enjoyed!
- Really helpful information. I will walk away from this event more confident from what I learned today
- Really provided information that can help me as a first mother.
- Seating at front for pretest
- She was really nice
- Si porque las personas son muy ablables y gracia por todo
- Si porque me anbrinda lo que no sabia sobre sueno soludable
- Si, no
- Sids portion was great some of the other topics in 19 would like more information on.
- solo mas personas que hablen epsanol
- Some drinks/snacks
- Some stations could have more people to help explain.
- Super helpful information and good connections to resources/people/products
- super helpful! Nice guy!
- Talked about how to lay my baby
- Thank You
- Thank you all so much for all the information and resources you all provided me with today.
- Thank you even being a safe sleep instructor I learned lots.
- Thank you for all the information given!
- Thank you for all the support and awesome information.
- Thank you for all the support and help you guys are helping with.
- Thank you for all your help and support!
- Thank you for all your support!
- Thank you for holding this event :)
- Thank you for offering this service for free, it really helps the community
- Thank you for resources information and gifts.
- Thank you for safe sleep information
- Thank you for the presentation!
- Thank you for the teachings on how to lay my baby that was very helpful
- Thank you for this program!
- Thank you for this service I had my oldest child 21 years ago I really needed this refresh

- Thank you so very much for all of your advice and knowledge about everything. It was very informative and helpful. So again thank you for everything!!!
- Thank you! Very friendly & helpful information & thank you for the pack n play!
- Thank You! A lot of expecting parents will appreciate this!
- Thank you! Great resources to be aware of
- Thank you! This was awesome
- Thanks
- Thanks for all the important information
- Thanks for putting this together and providing great resources!
- Thanks so much for offering this!!
- That you for this event! I'm glad I came in today. So much info!
- The Case Worker was extremely courteous, kind, educational, gentle and caring. She did awesome.
- The instructor, Tanisha explained things very well and was extremely easy to understand.
- The safe sleep-not enough info/inclined? etc. Also, some people can not breast feed- need resources for that.
- The was a good refresher course to have, since run a daycare
- There were a lot of great resources I didn't know were available that I plan to use. I feel very supported now.
- this event help me improve my knowledge on the care for my kids
- This event provided a lot of resources and information about being pregnant and after the baby is born. Love it!
- This event was amazing. Very grateful for all of the resources in our community that I had no clue about. Thank you all!!!
- This event was very informational especially station #7 about tongue ties.
- This is a good event for first time moms.
- This is amazing, thank you for all the support
- This is very helpful as a first time mom. I don't have much experience around small children.
- This was a great event for moms who dont 100% know what to do
- This was amazing! Thank you!
- This was great thank you!
- This was great to find out about resources in our area
- This was great, I thought I was aware of local resources but I definitely learned new ones!
- This was so informational & awesome!
- This was very helpful having all the resources in the community here today. Moms and dads are definitely not alone in this journey!
- This was very resourceful and enhance my knowledge about the support in the community.
- Thought this was a good learning experience.
- Tiene buenos programas y ayuda para el cuidado del bebe. Seguir con las ferias porque son de mucha
- Toda ka informacion fue muy util
- Touch on home cardiovascular monitors. Example, to use or not, how (owelet)
- Very admirable that the Barrett use their tragic loss to teach others.
- Very educational for myself, my husband, and my daughter.
- Very good information
- Very good information that all parents need to know.
- Very good resources
- Very helpful! Thank you!
- Very informal Thanks alot
- very information specially for new moms
- Very informational
- Very informational and useful for all family members not just parents.
- Very informative and helpful!
- Very informative for first time mothers. Thank you
- Very informative!
- Was unable to complete, struggled to complete due to not a great understanding of English

- We really enjoyed this event. Its such a great way to get the knowledge & tools to help understand better what parents need to do.
- We're first time parents and this was super helpful! Tanisha was great and we will definitely be reaching out again!
- Will use what I learned for little man!
- Wish there was an infant CPR class.
- Wonderful event, thank you for bringing all these resources together in 1 place for moms
- Yes thank you
- Yo estoy muy satisfecha con las clase, fue muy agradable y beneficioso para el cuidado del bebe
- You guys are just so amazing, thanks for teaching us and keep doing what your doing!
- *The comments and suggestions are direct quotes taken from the comments/suggestions section of the post-survey.

Conclusion and Recommendations

Overall, the Safe Sleep events held in Fiscal Year 2023 were successful. SSIs held more events and provided education to more individuals than the previous three fiscal years (Table 10). Outcomes suggest SSIs were successful in increasing safe sleep knowledge and/or intentions for their trainees and that the impact of the program continues to increase. For Safe Sleep Community Baby Showers, events and attendees exceeded pre-COVID levels.

Table 10. SSI Event and Attendance by Fiscal Year

	Te	otal	Commun	nity Baby Shower	Cri	b Clinic
	Events	Attendees	Events	Attendance	Events	Attendance
FY 2018	29	870				
FY 2019	175	2,255	34	1,058	141	1,197
FY 2020	65	689	17	571	48	118
FY 2021	85	454	15	331	70	123
FY 2022	120	968	23	795	97	173
FY 2023	127	2,023	42	1,881	85	142
TOTAL	601	7,259	131	4,636	441	1,753

Note. Safe Sleep events were not separated for reporting purposes in FY 2018.

However, there were some individuals not confident in their ability to keep loose blankets out of the crib, even though 91% intended to only use safe crib items in the sleep environment. Make sure instructors focus on why the current recommendations only support the use of a firm mattress, fitted sheet and wearable blanket in a non-inclined safe sleep environment and work with event participants to identify and address potential barriers during the crib demonstration.

For the tobacco cessation component, focus on tobacco cessation resources as only 41% of participants reported knowledge of at least three local resources following the event. This is especially critical as 11% of participants are currently using tobacco while pregnant, which is a known risk factor for sleep-related death.

For the breastfeeding promotion component, focus on breastfeeding support resources as only 56% could identify at least three local resources following the events.

When discussing perinatal mental health, focus on answering participants questions and concerns around safe risk reduction strategies. In addition, focus on identifying perinatal mental health resources as only 52% could identify at least three following the events.

For substance use, focus on identifying resources as only 38% could identify at least three following the events.

To address the last four recommendations, consider providing a handout with tobacco cessation, breastfeeding support and perinatal mental health resources available locally and statewide at each training to reinforce verbal messages regarding resources. If holding the event virtually, consider sending resources to participants via email prior to the post-test.

In terms of Spanish-language events, it should be noted that there was a significant reduction in the number of participants reporting plans to use a safe sleep surface following the events (83% vs 74%). An increase was observed for the response "my bed" on the post-survey (pre, n=5 vs post, n=24) at one event. In addition, a higher proportion of Spanish-speaking participants indicated being less confident in their ability to keep loose blankets out of the infant sleep environment. Remediation with the SSIs providing Spanish instruction may be needed to address these differences.

Evaluation Recommendations

- Make sure the correct data collection forms are used; 90 pre- and post-surveys were removed from analysis due to wrong forms begin used.
- Make sure participants complete pre-and post-surveys; 34 pre-surveys and 63 post-surveys were removed due to missing data. Consider making virtual assessment responses required as the majority of missing data was due to participants not completing surveys. If event is in-person, have a designated individual checking pre- and post-surveys for completeness.

Technical Notes

Data collection forms were updated in Fall 2022 to align with the updated American Academy of Pediatrics Safe Sleep Recommendations. These forms were launched on November 1, 2022. Specific changes to note include the modifications to safe sleep surface, location, items, breastfeeding, and perinatal mental health questions. Questions related to substance use were added to the pre- and post-surveys.

Participants were encouraged to complete the pre- and post-surveys in their entirety. However, due to the voluntary nature of participants, respondents had the right to skip questions. Any missing responses were excluded from statistical analysis. All reported data is based on collected data as of July 10, 2023.

Pre- and post-test data were collected, deidentified and entered into a secure REDCap database by Safe Sleep Instructors. Descriptive statistics were summarized using frequencies (percentages). Comparisons between pre- and post-surveys were made using McNemar's test for paired dichotomous variables. Statistical analyses for this report were performed using SPSS for Windows, Version 26.0.

Appendix A. Spanish-Speaking Participants

Table 1. Spanish-Speaking Participant Characteristics (n=128)

Table 1. Spanish-Speaking 1 articipant Chair	(0/)
	n (%)
Number of Support People Attending	
0-18 years (median, range)	1 (0-5)
18+ years (median, range)	0 (0-4)
Age (mean, SD)	29 (6)
Race/Ethnicity	
Hispanic	113 (89)
Non-Hispanic Black	6 (5)
Non-Hispanic White	6 (5)
Multiracial	1(1)
Marital Status	
Single	48 (38)
Married	53 (42)
Partnered	24 (19)
Separated	1 (1)
Partner Race/Ethnicity	()
Hispanic	93 (72)
Non-Hispanic Black	7 (6)
Non-Hispanic White	6 (5)
Multiracial	4(3)
Not Applicable/Choose Not to Answer	18 (14)
Mother's Education	- ()
Some High School	48 (38)
High School Graduate or GED	41 (33)
2-year Community College graduate	5 (4)
4-year College Graduate	17 (14)
Graduate School	3 (2)
Other	11 (9)
Insurance Status	(>)
Self-Pay	64 (52)
KanCare/Medicaid	48 (38)
Other	6 (5)
Private Insurance	6 (5)
Prenatal Care Provider	0 (5)
Hospital Clinic	47 (38)
Community Health Clinic	29 (23)
County Health Department	24 (19)
Private Provider's Office	16 (13)
None	2 (2)
Other	7 (5)
Note Missing data due to non-response: race/ethnicity (r	

Note. Missing data due to non-response: race/ethnicity (n=2); marital status (n=2); education level (n=3); insurance status (n=4); prenatal care (n=3). Insurance Status Other: other and MCO/Marketplace

Table 2. Spanish-Speaking Participants - Changes in Intended Safe Sleep Practices (n=128)

	Pre-Survey	Pre-Survey Post-Survey	Total Change
	n (%)	n (%)	p
Anticipated sleep position			<0.001*
Back only	86 (70)	110 (81)	
At least one unsafe position	36 (30)	26 (19)	
Anticipated sleep surface			0.109
Only safe surfaces (crib or bassinet only)	103 (83)	92 (74)	
At least one unsafe surface	21 (17)	32 (26)	
Anticipated crib items			< 0.001*
Only safe items (firm mattress, fitted sheet, or wearable blanket only)	66 (55)	94 (78)	
At least one unsafe item	54 (45)	26 (22)	
Inclined Sleep Surface*			< 0.001*
Safe (no)	48 (64)	75 (100)	
Unsafe (yes, not sure)	27 (36)	0 (0)	
Anticipated Sleep Location*			N/A
My/parent room	71 (92)	73 (96)	
Other shared room (with children or adults)	3 (4)	0 (0)	
Other private room (baby's room or nursery)	3 (4)	3 (4)	
Have or plan to discuss safe sleep with others			< 0.001*
Yes	71 (58)	116 (95)	
No	51 (42)	6 (5)	
Know at least one person who will support Safe Sleep			N/A
Yes		119 (96)	
No		3 (2)	
Not Sure		2 (2)	

Note. *p-value* <.05 indicates statistically significant difference between pre- and post-survey responses. Missing data: position (n=6); surface; (n=4); items (n=8); inclined (n=21); talk with others (n=6); one person (n=4) *Question added November 1, 2022

Table 3. Spanish-Speaking Participants - Smoking Exposure, Cessation Resources, and Intent to Quit (n=128)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Secondhand exposure in home or car			1.000
Never	118 (99)	118 (99)	
Weekly	1 (1)	1(1)	
Know at least 3 ways to avoid secondhand exposure			< 0.001*
Yes	79 (66)	103 (87)	
No	40 (34)	16 (13)	
Know at least 3 <u>local resources</u> for tobacco cessation			< 0.001*
Less than 3	93 (93)	77 (77)	
3 or more	7 (7)	23 (23)	
Interested in quitting tobacco use [¥]			N/A

Note. Missing data: secondhand exposure (n=9); three ways to avoid (n=9); local resources (n=28).

^{*}p-value < .05 indicates statistically significant difference between pre- and post-survey responses.

No participants indicated current or previous tobacco use.

Table 4. Spanish-Speaking Participants - Breastfeeding Intent, Confidence, and Knowledge of Resources (n=128)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	р
Likelihood of breastfeeding*			0.564
Don't plan to breastfeed	1 (2)	1 (2)	
Not Likely	0 (0)	0 (0)	
Somewhat Likely	8 (19)	7 (16)	
Very Likely	34 (79)	35 (81)	
Intended length of time breastfeeding			1.000
Don't plan to breastfeed	4 (3)	4 (3)	
6 months or less	43 (36)	73 (49)	
Longer than 6 months	72 (61)	72 (48)	
Confidence in ability to breastfeeding for length of time*			1.000
6 months or less	13 (31)	13 (31)	
Longer than 6 months	29 (69)	29 (69)	
Knowledge of at least 3 local breastfeeding resources			< 0.001*
Less than 3	99 (87)	72 (63)	
3 or more	15 (13)	42 (37)	

p-value < .05 indicates statistically significant difference between pre- and post-survey responses.

Note. Missing data: breastfeeding duration (n=9); breastfeeding confidence (n=1); three local breastfeeding resources (n=14).

Table 5. Spanish-Speaking Participants - Knowledge of Perinatal Mental Health (n=128)

	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Ways to reduce risk of depression, anxiety, and other mood			1.000
disorders			
Only safe reduction strategies	117 (95)	116 (94)	
At least one unsafe strategy	6 (5)	7 (6)	
Knowledge of at least 3 perinatal mental health resources			< 0.001*
Less than 3	98 (82)	74 (62)	
3 or more	21 (18)	45 (38)	
Know at least one person to who will support mental health			N/A
concerns			
Yes		43 (34)	
No		78 (62)	
Not Sure		4 (3)	

Note. Missing data: ways to reduce risk (n=5); perinatal mental health resources (n=9); support person (n=3).

Table 6. Spanish-Speaking Participants - Knowledge of Substance Use Resources (n=128)

		· /	
	Pre-Survey	Post-Survey	Total Change
	n (%)	n (%)	p
Knowledge of at least 3 substance use resources			0.607
Less than 3	55 (82)	52 (78)	
3 or more	12 (18)	15 (22)	

^{*}p-value <.05 indicates statistically significant difference between pre- and post-survey responses. Missing data (n=26).

^{*}Question removed on November 1, 2022.

^{*}p-value < .05 indicates statistically significant difference between pre- and post-survey responses.

Table 7. Spanish-Speaking Participants - Confidence (post-survey only) (n=128)

	Less Confident	No Change	More Confident
	n (%)	n (%)	n (%)
Get baby to sleep on his/her back	7 (6)	3 (2)	117 (92)
Have baby sleep in my room, but separate crib, portable	4 (3)	6 (5)	117 (92)
crib, or bassinet			
Keep loose blankets out of crib	20 (16)	5 (4)	102 (80)
Avoid secondhand smoke	11 (9)	2(1)	113 (90)
Breastfeed only	7 (6)	0 (0)	116 (94)
Follow safe sleep recommendations even when people give	3 (2)	2 (2)	115 (96)
different advice			
Recognize signs and symptoms of perinatal depression or	2(2)	9 (7)	116 (91)
anxiety			
Access screening or support for symptoms of perinatal	3 (2)	11 (9)	113 (89)
depression or anxiety			
Access screening or support for substance use disorders, if	2(2)	8 (10)	71 (88)
needed			

Note. Missing data due to non-response: sleep on back (n=1); baby sleep in room (n=1); loose blankets (n=1); secondhand smoke exposure (n=2); breastfeeding (n=5); following safe sleep recommendations (n=8); recognize signs and symptoms (n=1), access perinatal depression or anxiety screening (n=1), access substance use support (n=15).

Table 8. Spanish-Speaking Participants - Overall Event Satisfaction (post-survey only) (n=128)

Batisfaction (post-survey only) (n=120)		
	n (%)	
Very Satisfied	108 (88)	
Satisfied	9 (7)	
Neutral	3 (3)	
Dissatisfied	0 (0)	
Very Dissatisfied	2 (2)	

Missing data (n=6)

Spanish-Speaking Participant Comments and Suggestions

- Agradezco su voluntad y esfuerzo. Pondre a practica todo recomendaciones.
- Aprendi algo nuevo
- Aprendi muchas cosas sobre como dormir a mi bebe que antes yo no sabia
- aprendi nuevas cosas y a tener confianza en midesicion al cuidado de mi bebe
- El evento fue muy grato para nosotros muy importante la platica y el evento
- Es un evento que today mojer embarazada debe de tomar para conocer como es la forma correcta de dormir a los beloes
- Estan muy bien organizados
- Excellent information with Spanish support.
- Fue de mucha ayuda aprendi mucho.
- Fue muy buena muestra
- GRACIAS POR LA INFORMACION. SERA DE MUCHA UTILIDAD.
- I like it a lot because I have learned a lot here.
- I liked it a lot. They were very kind. Even though I speak little of English the facilitators tried to explain for us to understand.
- I'm very satisfied because I learned many things and got more knowledge of things I had doubts about.
- It feels good to know there's help for new mom's like myself.
- La maestra nos enseño mucho y es muy atenta.

- Me ayudo como evitar muerte de cuna
- me encanto la chavla que dieson hoy
- me gusto el tiempo que toman para explicar nuestres dudas
- Me gusto mucho la clase por que aprendí cosas que no savia.
- Me gusto todo, quede muy satisfecha..
- more space; better location.
- Mucha informacion valiosa y apredes a conocer mas recursos.
- muchas gracias tod exelente
- muchas gracias todo excelente
- Muy buena conferencia
- Muy buena informacion.
- MUY BUENA INFORMACION. MANTENGAN ESTOS EVENTOS.
- Muy bun prograna mucha ayuda
- Muy interesante
- nay muchos programas de apoyo
- not sure how much the parents understood, they speak Creole not Spanish.
- Perfecto
- por que me brindaron mucha infomacion importance
- por que es muy buena la platica
- Por que me an explicado como dormir a mi bebe. Me gusto mucho la manera en la que explico las cosas.
- porque medieron informasion que llonosia
- Porque nos ayudan a saber mas de como cuidar a nuestros hijos
- pues toda la informacion esta muy bien les agradesco mucho
- Que el evento tenga mas espanol
- Si porque las personas son muy ablables y gracia por todo
- Si porque me anbrinda lo que no sabia sobre sueno soludable
- Si, no
- solo mas personas que hablen epsanol
- Tiene buenos programas y ayuda para el cuidado del bebe. Seguir con las ferias porque son de mucha
- Toda ka informacion fue muy util
- Yes thank you
- Yo estoy muy satisfecha con las clase, fue muy agradable y beneficioso para el cuidado del bebe

^{*}The comments and suggestions are direct quotes taken from the comments/suggestions section of the post-survey.