

QUALITY MEASURES FOR LEARNING COLLABORATIVE – Submitted by practices no later than 3 rd of each month (for previous month’s data) and calculated monthly at a collaborative and practice level for action period calls						
#	MEASURE NAME	OPERATIONAL DEFINITION	TARGET	NUMERATOR	DENOMINATOR	NOTES & CALCULATION (IF APPLICABLE)
0	SMOKING EXPOSURE	The percent of smokers in the home, collectively, and separately as the presenting caregiver and other individuals in the home.	NA	ALL smokers in the home		Similar to W2, just updated the question numbers
				Screening tools with 10a and/or 11a	All screening tools	
				OTHER smokers in the home		
				Screening tools with 11a	All screening tools	
PRIMARY caregiver is smoker in home		Screening tools with 10a	All screening tools			
1	SFF Screening Tool Uptake	Evaluation of SFF screening tool use and uptake at birth to 12-month WCVs, proxy measure for family receipt of 5As (ASK)	90% of caregivers presenting to a PCP office will be screened for smoking in the home setting.	Inclusion: ALL tools completed during the specified timeframe of interest that meet the criteria of the Denominator	Inclusion: Practice level review of scheduling system to query how many birth to 12-month WCV were attended during the specified time frame of interest	[sum (All SFF screening tools completed) divided by (the number of birth to 12-month WCV attended)] multiplied by 100
2	SMOKING CESSATION DISCUSSION ATTEMPTED	If a smoker (primary caregiver or other(s)) in the home is identified at the well-visit appointment - the PCP will attempt to have a discussion	90% of primary caregivers and others in the home that screen positive for smoking will have a discussion attempted	Discussion attempted about OTHER smokers in the home		sum of tools with (22a) divided by sum of tools with (11a) multiplied by 100 stratify by initial and repeat visits
				Inclusion: • PCP Advised 22a • Meet the criteria of the Denominator	Inclusion: • Tools where 11a is selected Exclusion: • Tools where 11b is selected	
				Discussion attempted with PRIMARY caregiver		sum of tools with (21a) divided by sum of tools with (10a) multiplied by 100 stratify by initial and repeat visits
				Inclusion: • PCP Advised 21a • Meet the criteria of the Denominator	Inclusion: • Tools where 10a is selected Exclusion: • Tools where 10b is selected	
3	SMOKING CESSATION RESOURCES OFFERED	If a smoker (primary caregiver or other(s)) in the home is identified at the well-visit appointment - the PCP will offer	80% of primary caregivers and others in the home that screen positive for smoking will be offered resources	Resources offered for OTHER smokers in the home		sum of tools with (24a) divided by sum of tools with (11a) multiplied by 100 stratify by initial and repeat visits
				Inclusion: • PCP Assisted 24a • Meet the criteria of the Denominator	Inclusion: • Tools where 11a is selected Exclusion: • Tools where 11b is selected	

Commented [SA1]: Is there a reason why we didn't use "today's date", Q4 and the dates from the data submission cover sheet for this measure? The factor that comes to mind is if a submitted batch has data from one month ending and another starting. Do you think practices would be ok with only submitting data from one month per batch or is that too complicated?

Additionally, we can't separate this one out by first and repeat visits because we don't have a denominator solely for repeat correct? (As below where I've separated by first and repeat)

Commented [SA2]: Arun – for this and all measures that follow, I did NOT include the second qualifying criteria of having a positive response for Q14. I wanted your opinion on whether this was necessary or if the screening question of smoking in the home of Q9 or Q10 has been adequate for the last wave. I can easily add the Q14 responses if you feel it helps with data integrity.

		smoking cessation resources		Resources offered for to PRIMARY caregiver		sum of tools with (23a) divided by sum of tools with (10a) multiplied by 100 stratify by initial and repeat visits
				Inclusion: • PCP Assisted 23a • Meet the criteria of the Denominator	Inclusion: • Tools where 10a is selected Exclusion: • Tools where 10b is selected	
4	OFFERED REFERRAL TO QUITLINE	If the primary caregiver is a smoker and indicated readiness (2+ on scale) to quit, provider will offer a referral to the Ohio Quitline	80% of primary caregivers who are ready to quit smoking will be offered a referral to the Ohio Quitline	Inclusion: • PCP Arranged (25a or 25b or 25c) • Meet the criteria of the Denominator	Inclusion: • Tools where 10a is selected • Tools with a readiness of 12d-12L Exclusion: • Tools where 10b is selected • Tools with a readiness of 12a-12c	sum of tools with OR (25a, 25b, 25c) divided by sum of tools with AND (10a, OR (12d, 12e, 12f, 12g, 12h, 12i, 12j, 12k, 12L)) multiplied by 100 stratify by initial and repeat visits
5	ACCEPTANCE OF REFERRAL TO OHIO QUITLINE	For those providers who were ready to quit smoking that were referred to the Ohio Quitline and ACCEPTED	20% of those referred will accept	Inclusion: • PCP Arranged (25a or 25b) • Meet the criteria of the Denominator	Inclusion: • Tools where 10a is selected • Tools with a readiness of 12d-12L Exclusion: • Tools where 10b is selected • Tools with a readiness of 12a-12c	sum of tools with OR (25a, 25b) divided by sum of tools with AND (10a, OR (12d, 12e, 12f, 12g, 12h, 12i, 12j, 12k, 12L)) multiplied by 100 stratify by initial and repeat visits
6	APPROPRIATE USE OF 5A'S	Based on the primary caregiver's level of readiness and smoking status of others in the home, the provider will complete ALL appropriate components of the 5As during the well visit	80% of smoking individuals will receive the ALL components of the 5As	Discussion attempted & Resource provided for OTHER smokers in the home		sum of tools with AND (22a, 22a) divided by sum of tools with AND (11a) multiplied by 100
				Inclusion: • PCP Advised 22a • PCP Assisted 21a • Meet the criteria of the Denominator	Inclusion: • Tools where 11a is selected Exclusion: • Tools where 11b is selected	
				Discussion attempted and Resources Provided for PRIMARY Caregiver who is NOT ready to Quit		sum of tools with AND (21a, 23a) divided by sum of tools with AND (10a, OR (12b, 12c)) multiplied by 100
				Inclusion: • PCP Advised 21a • PCP Assisted 23a • Meet the criteria of the Denominator	Inclusion: • Tools where 10a is selected • Tools with responses of 12b or 12c Exclusion: • Tools where 10b is selected	

Commented [SA3]: Could measure 4 and 5 be displayed on the same run chart

					<ul style="list-style-type: none"> Tools where 12a is selected 	
				Discussion, Resources & Quitline Referral for PRIMARY Caregiver who IS ready to QUIT		
				Inclusion: <ul style="list-style-type: none"> PCP <i>Advised</i> 21a PCP <i>Assisted</i> 23a PCP <i>Arranged</i> (25a or 25b or 25c) Meet the criteria of the Denominator 	Inclusion: <ul style="list-style-type: none"> Tools where 10a is selected Tools with responses of 12d-12L Exclusion: <ul style="list-style-type: none"> Tools where 10b is selected Tools where 12a-12c are selected 	sum of tools with AND(21a, 23a, OR(25a, 25b, 25c)) divided by sum of tools with AND(10a, OR(12d, 12e, 12f, 12g, 12h, 12i, 12j, 12k, 12L)) multiplied by 100
7	UNSAFE SLEEP BEHAVIORS ADDRESSED	For any family that screens positive for an unsafe sleep behavior, the provider addresses this response	90% of families will have their unsafe sleep behaviors addressed by the MD	Inclusion: <ul style="list-style-type: none"> PCP <i>addressed</i> (20a) safe sleep 	Inclusion: <ul style="list-style-type: none"> Tool had 9b Exclusion: <ul style="list-style-type: none"> Tools with responses of 9a 	(sum of tools 20a divided by sum of tools with (9b)) multiplied by 100
RESEARCH MEASURES FOR LEARNING COLLABORATIVE – Screening tools still submitted by practices no later than 3rd of each month (for previous month’s data) however calculations will be dependent on applicable sample sizes, with most analyses occurring several months into and at the end of the collaborative.						
	MEASURE NAME	OPERATIONAL DEFINITION	TARGET	NUMERATOR	DENOMINATOR	CALCULATION (IF APPLICABLE)
	CHANGE IN SMOKING	Either the caregiver or others in the home have made ANY type of change to reduce smoking around the baby since a last visit attended (where response was “no changes to smoking/vaping amount or where smoke/vape)	Increase in number of change attempts	Inclusion: <ul style="list-style-type: none"> POST tools that now have a response of <ul style="list-style-type: none"> 14b, 14c, 14d 14g, 14h, 14i 	Inclusion: <ul style="list-style-type: none"> Same caregiver (Q7) has completed the tool during <i>a minimum of TWO</i> different well visits (Q4) Of those matched tools, the PRE tool had 14e and/or 14j Exclusion: <ul style="list-style-type: none"> PRE Tools with responses of 10b and/or 11b PRE tools with responses of 14a or 14f 	sum of POST tools that have a response of OR(14b, 14c, 14d, 14g, 14h, 14i) divided by number of PRE tools (from matched individuals with the same caregiver attending an earlier visit) with AND/OR(14e,14j) multiplied by 100

	Safe Sleep	For those caregivers that indicated an unsafe sleep habit at the PRE visit and a PCP counseled on, the caregiver made a change to safe sleep practices	25% of sleep practices will be changed to be appropriate by self-report at subsequent visits when recognized inappropriate	Inclusion: <ul style="list-style-type: none"> POST tools that had a change in PRE tool <i>incorrect</i> sleep question to correct sleep response such as: <ul style="list-style-type: none"> 9b to 9a 	Inclusion: <ul style="list-style-type: none"> Same caregiver (Q7) has completed the tool during a minimum of TWO different well visits (Q4) Of those matched tools, the PRE tool had 9b Exclusion: <ul style="list-style-type: none"> Tools with responses of 9a 	sum of POST tools that had a change from (9b to 9a) divided by number of PRE tools (from matched individuals with the same caregiver attending an earlier visit) with (9b) multiplied by 100
SCOPE of WORK MEASURE Cigarettes/Vapes Per Day Reduced	If caregiver presenting to infant's well-visit appointment is a smoker – reduction of self-reported smoke exposure to infants in the home measured via # cigarettes or vapes per day smoked in last 7 days	Reduction of <i>cigarettes</i> or <i>number of vapes</i> per day smoked, over the last 7 days. *SFF OAAP team decided to not include a numerical target for this goal and to quantify discrete change pre/post	Inclusion: <ul style="list-style-type: none"> Must FIRST meet the criteria of the Denominator POST tool has a value (including zero but not an empty cell/missing data) noted in Q13 AND/OR <ul style="list-style-type: none"> POST tool has 10b AND 11b selected (i.e. no one in the baby's home smokes so value is zero) Data reported by families will be PER DAY and we need to translate that to WEEKLY levels	Inclusion: <ul style="list-style-type: none"> Population of matched caregivers who have a completed PRE- and POST Tools AND whose PRE-tools, the forms had to have at least one positive screen for smoking (caregiver or others) <ul style="list-style-type: none"> Tools where 10a is selected AND Tools where Q13 (a, b) has a response of greater than zero AND/OR Tools where 11a is selected AND Tools where Q13 (c, d) has responses greater than zero Exclusion: <ul style="list-style-type: none"> PRE Tools where 10b and 11b are selected Tools matched by child but response to Q7 differs 	Discrete Change by matched baby per same category (i.e. 13a vs 13a) and by Caregiver type (primary or others) Q13 response (13a-13d) at “post visit” minus Q13 (13a-13d) at “pre visit” Percent of Smokers who wrote in a lower quantity of cigarettes/vapes: [(Sum of the number matched babies whose caregivers or others in the home noted a lower number of cigarettes/vapes at the POST visit compared to the PRE visit) divided by (sum of matched babies with smoking caregivers or others in the home)] multiplied by 100	

Commented [SA4]: This will be done separately, once for the presenting caregiver and again for the others in the home, and for each of those individuals, analyzed within smoking device (cig to cig, vape to vape)

Commented [SA5]: Given the small sample size, we can keep caregivers and others in the home together and if need be, latter separate them out to see how frequently each type reduce quantity smoked/vaped. This is unlike the calculation just above with discrete changes where we need to have caregiver type and device type matched per tool

				<p>For this measure, individual level data will be matched on several criteria (DOB, caregiver completing the tool, practice, race, zipcode).</p> <p>Change is evaluated:</p> <ul style="list-style-type: none"> from the first visit (first screening tool submitted) to the second visit (tool completed by the same caregiver, of child with same DOB race and zipcode, at same practice but at a later well visit date). By smoking device Primary analysis is reduction of second hand smoke exposure through a reduction of discrete numbers of cigs/vaps per day. Secondary analyses will consider the below items, the shift in smoking environment and number of individuals that smoke around baby to evaluate a 25% reduction in babies who are exposed to smoke (Scope of Work measure) <p>Analysis will occur in a variety of ways:</p> <ol style="list-style-type: none"> Individual level change from pre- to post visits Population (aggregate of all screening tools that have a pre- and post tool completed) based, all pre data will be compared to all post data (i.e. the average number of cigarettes or vapes per day for all pre visits relative to post visits) Stratify data based on demographic variables, should sample size allow Secondary level will focus on any additional visits (after the 2nd visit) as well as time between visits to see a reduction in smoking encounters per day. 		
SCOPE of WORK MEASURE	Exposure to second hand smoke	For those caregivers/homes in which smoking cessation occurred, we expect to see a reduction in the number of children exposed to second hand smoke	25% reduction in the number of children exposed to second hand smoke based on evidence of cessation efficacy	<p>Inclusion:</p> <ul style="list-style-type: none"> Must FIRST meet the criteria of the Denominator Of those POST visit tools, both 10b and 11b are selected (i.e. there is no one that has smoked or vaped inside or outside the baby's home – will need to confirm that responses to Q13 are all zero) 	<p>Inclusion:</p> <ul style="list-style-type: none"> Population of matched caregivers who have a completed PRE- and POST Tools AND whose PRE-tools, had at least one positive screen for smoking (caregiver or others) <ul style="list-style-type: none"> Tools where 10a is selected AND Tools where Q13 (a, b) has a response of greater than zero AND/OR Tools where 11a is selected AND Tools where Q13 (c, d) has responses greater than zero 	<p>sum of matched caregiver POST tools with AND(10b, 11b) divided by sum of matched caregiver PRE tools with a positive screen of at least (10a AND 1+ response to 13a or 13b, 11a AND 1+ response to 13c, 13d)</p> <p>Can do this on a monthly basis to see the proportion of “quits since last visit” and then evaluate (final month minus baseline) divided by baseline to see increase in quits and therefore the reduction of exposed children as the inverse</p>

Commented [SA6]: Should we tease these apart

- Those that reduced smoking overall – which is what this measure currently calculates
- Those that reduced smoking BECAUSE there was a discussion attempted, resources offered
 - Calculation for disc:
 - sum of matched caregiver POST tools with AND(10b, 11b) divided by sum of matched caregiver PRE tools with a positive screen of at least (10a AND 1+ response to 13a or 13b AND 21a) or (11a AND 1+ response to 13c, 13d AND 22a)
 - Calculation for resources:
 - sum of matched caregiver POST tools with AND(10b, 11b) divided by sum of matched caregiver PRE tools with a positive screen of at least (10a AND 1+ response to 13a or 13b AND 23a) or (11a AND 1+ response to 13c, 13d AND 24a)

					<p>Exclusion:</p> <ul style="list-style-type: none"> • PRE Tools where 10b AND 11b are selected • PRE Tools where Q13 has all responses as zero 	
Improved Primary Caregiver Willingness to Quit	For those caregivers that have attended multiple visits but have not yet QUIT, they will have an improved willingness to QUIT	Improved (increased) willingness scale rating, no numerical target	<p>Inclusion:</p> <ul style="list-style-type: none"> • Must FIRST meet the criteria of the Denominator • POST tools had a response to Q12, of 12b-12l, that was HIGHER than response to Q12 on PRE tool 	<p>Inclusion:</p> <ul style="list-style-type: none"> • Same caregiver (Q7) has completed the tool during <i>a minimum of TWO times</i> from different well visits (Q4), birth through 12 months <p>Exclusion:</p> <ul style="list-style-type: none"> • Tools where 10b is selected • Tools where 12a is selected or missing value for Q12 • Tools matched by child but response to Q7 differs 	sum of POST tools that had a higher Q12 score than their PRE Q12 score divided by total number matched pre/post tools with positively screened primary caregivers	
QUITS due to referral to Quit Line	For those caregivers that screened positive for smoking, indicated willingness to quit smoking and the PCP faxed in a referral to Ohio Quit Line, the caregiver indicated that they no longer smoke (on a post tool)	25% of those referred to Quit line in the pediatric office visit will have quit smoking by self-report captured at subsequent pediatric visits.	<p>Inclusion:</p> <ul style="list-style-type: none"> • Must FIRST meet the criteria of the Denominator • POST tools that have a response of 10b (quality check that 13a and 13b are also zero) 	<p>Inclusion:</p> <ul style="list-style-type: none"> • Population of matched caregivers who have a completed PRE- and POST Tools AND whose PRE-tools, the forms had a positive screen for smoking <ul style="list-style-type: none"> ○ Tools where 10a is selected AND ○ Tools where Q13 (a, b) has a response of greater than zero <p>AND PRE visit tools had</p> <ul style="list-style-type: none"> ○ Tools where Q12 had a response of 12d-12L <p>AND PRE visit tools had</p> <ul style="list-style-type: none"> ○ 25a selected 	sum of POST tools with a response of 10b divided by number of PRE tools (from matched individuals with the same caregiver) with AND (10a, (13a, b have a response greater than zero), 12d-12L, 25a) multiplied by 100	

					Exclusion: <ul style="list-style-type: none">• Tools where response to Q7 is different• PRE Tools where 10b was selected• PRE Tools where Q13 (a, b) has all responses as zero• PRE Tools where Q12 has a response of 12a, 12b, or 12c• PRE tools where 25a is NOT selected	
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