

Thank you for participating in the Medication Administration System Survey – Nurses’ Assessment Survey (MAS-NAS) project. Completing this form indicates you recognize that this is a research project.

If you previously completed a MAS-NAS, please complete this form so we can learn how barcode/eMAR has changed how you administer medications. We will compare nurses’ responses on this MAS-NAS with the previous MAS-NAS to learn the impact of converting to barcode/eMAR on BWH nurses.

If this is your first MAS-NAS, we would like to learn your beliefs about the system.

Please **create a five digit confidential identifier** called **SUM**. This allows us to maintain your privacy and while being able to compare surveys taken at different times. Even if this is your first survey, please compute your **SUM**. We ask you to calculate the following number and place it in the space provided on the **upper right hand corner of the survey form**. The number is the **SUM** of the last five digits of your social security number added to the last five digits of your home telephone number. If your telephone number changed, please use the number you previously used. Only the **SUM** of those two numbers should be recorded on the first page of the survey. If your sum has more than five digits, record only the last five. See example below

Example: Last five social security numbers = 52346
 +
 Last five home telephone numbers = 58721

SUM = 111067
ENTER 11067 (last five)

After calculating your **SUM**, please:
 Write your SUM on the next page, Tear off the right side of this page or write over your personal numbers, and complete the survey.

Thank you for your participation in this important project.

Anne Bane, RN, MS

Worksheet Area:

Last five social security numbers = _ _ _ _ _

+

Last five home telephone numbers = _ _ _ _ _

Sum = _ _ _ _ _

Write **SUM** on next page and

PLEASE TEAR OFF OR WRITE OVER YOUR PERSONAL NUMBERS ON THIS WORKSHEET TO PROTECT YOUR ANONYMITY.

Thank you

Date of completing the survey: _____ Nursing Unit: _____
 Current medication administration system – Nurses’ Assessment Survey

SUM: _____

The following statements describe experiences and beliefs about the **current** medication administration system you use. By current medication administration system, we mean the institutional structures and operational policies that direct and support the process and procedures of delivering/administering pharmaceutical products to patients. This includes all activities from medication ordering to dispensing to administration and documentation as well as all supplies and technologies associated with the current medication system, such as computer terminals, medication storage units, drug/drug interaction information, patient education sheets, infusion pumps, tubings, syringes, etc that are required in the process of getting medications to patients. Completing this survey should take about 10 minutes. By completing this survey, you are indicating consent to participate in this evaluation. Please read each statement and circle the number that best expresses your own experiences and beliefs. There are no right or wrong answers. Do not write your name on the survey. Please indicate the degree to which you agree or disagree with each item by using the following RATING SCALE

- Circle 1 if you strongly agree with the statement.**
- 2 if you moderately agree with the statement.**
- 3 if you slightly agree with the statement.**
- 4 if you slightly disagree with the statement.**
- 5 if you moderately disagree with the statement.**
- 6 if you strongly disagree with the statement.**
- NA if the statement does not apply to you.**

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	Not Applicable
<p>Example: The current medication administration system provides adequate information about possible medication side effects.</p> <p>Answer: If you believe that you always have access to the type and amount of information you need to be able to assess for and manage potential side effects of medications you administer, you should circle 1 because that statement best expresses your belief.</p>	1	2	3	4	5	6	NA

Please turn to the next page and continue the survey

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	Not Applicable
1. Because of information available through the current medication administration system I know both the intended actions and side effects of medications I administer.	1	2	3	4	5	6	NA
2. I find the drug alert feature (drug/drug or drug/food interaction) of the current medication administration system helpful.	1	2	3	4	5	6	NA
3. The current medication administration system makes it easy to check active medication orders before administering medications.	1	2	3	4	5	6	NA
4. The current medication administration system provides me with information to know that a medication order has been checked by a pharmacist before I administer the medication.	1	2	3	4	5	6	NA
5. The current medication administration system promotes 2-way communication between clinicians (MD, Pharmacist, RN) about medication orders.	1	2	3	4	5	6	NA
6. I have access to the systems that support medication administration (physician’s orders, drug information) when I need them.	1	2	3	4	5	6	NA
7. The drug information available through the current medication administration system is easy to get when I need that information.	1	2	3	4	5	6	NA
8. When I see a message that acknowledges and accepts a known drug/drug interaction, I know that both physician and pharmacist communicated and agreed on the order.	1	2	3	4	5	6	NA
9. I know where all the medications I need are stored (either on the unit or if they need to be procured from the pharmacy).	1	2	3	4	5	6	NA
10. The current medication administration system helps me to be efficient at medication administration.	1	2	3	4	5	6	NA
11. The current medication administration system makes it easy to check that I am following the “5 rights” when I administer medications.	1	2	3	4	5	6	NA

Please turn to the next page and continue the survey

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	Not Applicable
12. The turnaround time for receiving medications needed “stat” or for patients newly admitted to the unit is adequate.	1	2	3	4	5	6	NA
13. The current medication administration system is effective in reducing and preventing medication errors.	1	2	3	4	5	6	NA
14. The current medication administration system is user-friendly to the nurses who administer medications.	1	2	3	4	5	6	NA
15. The equipment and/or supplies needed to administer medications are readily available to me.	1	2	3	4	5	6	NA
16. Information available through the current medication administration system helps me to know what to do should my patient have any bad reactions from a medication.	1	2	3	4	5	6	NA
17. I have to keep stashes of medications to be sure I have medications I need when I need them.	1	2	3	4	5	6	NA
18. When I see a message that acknowledges and accepts a known drug/drug interaction, I believe it is appropriate to give the medication.	1	2	3	4	5	6	NA

Please add any comments you wish about the current medication administration and the degree to which components of the current system support your ability to administer medications safely and professionally.

If you could change one thing in the current medication administration system, what would it be?

Please turn to the next page and continue the survey

Comparing now (using barcode/eMAR) with before, please respond to the following 7 statements.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
1. It is easier to do all the checking steps needed during the medication administration process.	1	2	3	4	5	6
2. This is a safer system for patients.	1	2	3	4	5	6
3. With the new system it is easier to access information I need to administer medications.	1	2	3	4	5	6
4. I am more satisfied with this new medication administration system than with the previous one.	1	2	3	4	5	6
5. I have more time to spend with patients.	1	2	3	4	5	6
6. Barcode/eMAR has made the medication administration process more efficient for me.	1	2	3	4	5	6
7. Medications are more readily available when I need them for patients.	1	2	3	4	5	6

