

Premature Infant Care Assistant: Survey

Listed below are eleven examples describing how a new Premature Infant Care Assistant might function. For each example, please indicate the level of:

- **Importance:** In your care of premature infants, how important is the described functionality?
- **Frequency:** In your care of premature infants, how frequently do you encounter situations addressed by the described functionality?
- **Current Level of Support:** In your care of premature infants, how adequately does the EMR (Epic) currently support the described functionality?

Your role: __ Nurse Practitioner __ Attending Physician

1: Presentation of Premature Infants Under 2 Years Old

The system utilizes information from the patient's birth history to identify premature infants.

- The system will present information on the patient's Gestational Age, Birth Weight, Chronological Age and Corrected Age.
- The system will use this information correctly in all age-based information and recommendations.

Importance in Your Care of Premature Infants					Frequency in Your Care of Premature Infants					Current EMR Support and Functionality							
Unimportant					Infrequent					Inadequate					Adequate		
←	←	←	←		←	←	←	←		←	←	←	←		←	←	
1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9

Optional comments:

2: Growth Assessment

- The system will utilize the patient's birth weight, gestational age and gender to automatically select the appropriate growth chart.
- The system will compile the patient's latest growth measurements and present a comprehensive summary of the patient's growth including percentile and growth velocity for head circumference, length and weight.

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←	←	←	←		←	←	←	←		←	←	←	←		←	←	
1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9

Optional comments:

3: Nutrition

- The system will calculate the patient's calorie intake and analyzes it with respect to growth.
- If growth is inadequate, the system will assist the provider in calculating a calorie intake goal. A "feeding calculator" will allow the provider to explore combinations of formula feeding (calorie density, volume...) to reach the goal.

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←	←	←	←		←	←	←	←		←	←	←	←		←	←	
1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9

Optional comments:

4: Developmental Surveillance

- The system will present all milestones based on corrected age.
- The system will facilitate referral to early intervention service.

Importance in Your Care of Premature Infants Unimportant ← → Important 1 2 3 4 5 6 7 8 9					Frequency in Your Care of Premature Infants Infrequent ← → Frequent 1 2 3 4 5 6 7 8 9					Current EMR Support and Functionality Inadequate ← → Adequate 1 2 3 4 5 6 7 8 9				
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Optional comments:

5: RSV and Synagis (Palivizumab)

- The system will provide comprehensive reports to better identify all patients eligible for Synagis (Palivizumab) prior to RSV season.
- The system will provide as much information as possible for the completion of insurance forms.

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Optional comments:

6: Gastro Esophageal Reflux (GERD)

- The system will attempt to identify (by diagnosis, prior medications and/or studies) if a patient has gastro esophageal reflux disease (GERD) and is receiving medications and make appropriate recommendations. For example:
 - Medication changes will be suggested based on severity of symptoms.
 - Feeding recommendations will limit volume appropriately.

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Optional comments:

7: Chronic Lung Disease (CLD)

- The system will attempt to identify (by diagnosis, prior medications and/or studies) if a patient has chronic lung disease (CLD) and is receiving treatments (bronchodilators, diuretics, oxygen...) and make appropriate recommendations. For example:
 - Indicate when pulmonary consultation is appropriate.
 - Assist with weaning of medications and/or oxygen.

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Optional comments:

8: Retinopathy of Prematurity (ROP)

- The system will attempt to identify patients who require ophthalmology follow up for Retinopathy of Prematurity (ROP).
- The system will suggest appropriate ophthalmology follow up intervals based on documented stage and zone of disease.

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Optional comments:

9: Hearing Screening

- The system will identify children at risk for hearing loss.
- The system will suggest appropriate audiology follow up based on risk and prior audiology results.

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Optional comments:

10: Blood Pressure

- The system will identify children at risk for hypertension.
- The system will suggest appropriate blood pressure rechecks or specialty referral based on prior blood pressure measurements.

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Optional comments:

11: Enhanced Patient Instructions/Education

- The system will assist the clinician in easily locating, documenting and printing a variety of patient instruction materials. For example:
 - When a new feeding goal requires formula mixing instructions (eg. 24 calories per oz.), the system allows the clinician to easily select, file and print the correct patient instructions.
 - A printable timeline or schedule of developmental milestones tailored to the patient's corrected age.

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Optional comments:

Please feel free to describe any additional examples that would be helpful in the care of premature infants: