# Acute Asthma Exacerbation Unfolding Simulation

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**Target Audience:** Nursing Students and Nurse Educators **Estimated Simulation Time:** 30 minutes for each setting totaling
90 minutes for the entire unfolding simulation **Estimated Debriefing Time:** 60 minutes

#### General Objectives:

- 1. Demonstrates clinical judgment and critical thinking skills including: truth-seeking, analyticity, open-mindedness, systematicity, inquisitiveness, maturity, and self-confidence (Noone & Seery, 2018).
- 2. Demonstrates therapeutic communication with patient and family
- 3. Demonstrates effective teamwork
- 4. Demonstrates effective interprofessional communication
- 5. Prioritizes patient safety measures
- 6. Prioritizes appropriate nursing interventions
- 7. Implements clinician orders appropriately
- 8. Evaluates patient's response to interventions

#### Scenario-Specific Objectives

- Recognizes abnormal findings of asthma exacerbation and hyperglycemia
- 2. Demonstrates correct administration of oral, intravenous, subcutaneous, and nebulizer medications
- 3. Plans for relevant patient education and teaching
- 4. Demonstrates clear communication of clinical findings and abnormal lab values to clinician
- 5. Implements appropriate oxygen management interventions
- Demonstrates correct interpretation of sliding scale insulin dosing based on patient blood glucose level

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#### **Educational Purpose**

This simulation scenario was developed to help determine the impact of an unfolding high-fidelity simulation on critical thinking skills in nursing students. The need for additional clinical critical thinking experiences in the wake of limited clinical site spots for students, as observed by Guimond, Foreman, and Werb (2019), is an influencing factor for the development of the unfolding simulation to provide an additional critical thinking opportunity for nursing students. As noted by Carvalho et al. (2017), critical thinking skills are necessary in order for student and graduate nurses to deliver a high level of safe care for patients and families. To optimize realism, as suggested by Huffman, McNeil, Bismilla, and Lai (2016), interprofessional collaborative efforts were carried out to include registered nurses, a pharmacist, and a physician in the scenario development and review.

In addition to these influencing factors on the creation of the unfolding simulation, consideration was given to the anticipated changes to the NCLEX that will include next generation items focusing on better measurement of clinical judgment (NCSBN, 2019). The six layers of the NCSBN clinical judgment model were considered when constructing correct treatment checklists to evaluate students participating in the simulation scenario. The six layers of the NCSBN clinical judgment model include: recognizing cues, analyzing cues, prioritizing hypotheses, taking action, and evaluating outcomes (NCSBN, 2019).

#### 2019 NCLEX-RN Test Plan Categories Considered in Scenario

- Safe and Effective Care Environment (National Council of State Boards of Nursing, 2018)
- Management of care (National Council of State Boards of Nursing, 2018)
  - Initiate, evaluate, and update client plan of care
  - Organize workload to manage time effectively
  - Advocate for client rights and needs
  - Collaborate with interprofessional team members when providing client care
  - Maintain client confidentiality and privacy
  - Provide and receive hand off of care (report) on assigned client
  - Prioritize the delivery of client care
- Safety and infection control (National Council of State Boards of Nursing, 2018)
  - Assess client for allergies and intervene as needed (e.g., food, latex, environmental allergies)
  - Ensure proper identification of client when providing care
  - Verify appropriateness and accuracy of a treatment order
  - Facilitate appropriate and safe use of equipment
  - Apply principles of infection control (e.g., hand hygiene, aseptic technique, isolation, sterile technique, universal/standard precautions)
- **2. Health Promotion and Maintenance** (National Council of State Boards of Nursing, 2018)
  - Provide care and education for the adult client ages 18 through 64 years
  - Educate client about health promotion and maintenance recommendations (e.g., physician visits, immunizations)
  - Assess client ability to manage care in home environment and plan care accordingly
- 3. Psychosocial Integrity (National Council of State Boards of Nursing, 2018)
  - Assess client's ability to cope with life changes and provide support
  - Incorporate client cultural practices and beliefs when planning and providing care
  - Assess family dynamics to determine plan of care
  - Provide care for a client experiencing grief or loss
  - Assess psychosocial, spiritual, and/or occupational factors affecting care and plan interventions
  - Use therapeutic communication techniques
  - Promote a therapeutic environment
- **4. Physiological Integrity** (National Council of State Boards of Nursing, 2018)
- Basic care and comfort (National Council of State Boards of Nursing, 2018)

- Assess client for pain and intervene as appropriate
- Provide non-pharmacological comfort measures
- Pharmacological and parenteral therapies (National Council of State Boards of Nursing, 2018)
  - Perform calculations needed for medication administration
  - Evaluate client response to medication
  - Educate client about medications
  - Prepare and administer medications using rights of medication administration
  - Review pertinent data prior to medication administration (e.g., contraindications, lab results, allergies, potential interactions)
  - Evaluate appropriateness and accuracy of medication order for client
  - Monitor intravenous infusion and maintain site
- Reduction of Risk Potential (National Council of State Boards of Nursing, 2018)
  - Assess and respond to changes and/or trends in client vital signs
  - Perform diagnostic testing (e.g., electrocardiogram, oxygen saturation, glucose monitoring)
  - Monitor the results of diagnostic testing and intervene as needed
  - Insert, maintain, or remove a peripheral intravenous line
  - Evaluate responses to procedures and treatments
  - Recognize trends and changes in client condition and intervene as needed
  - Perform focused assessments
  - Educate client about treatments and procedures

# **Supplies Checklist**

Gloves
Bedside Table
Patient Chart
Physician orders printed
MAR printed
CMP lab results printed
CXR and 12-lead ECG results printed
Correct treatment checklists printed
Observation worksheets printed
SPO2 Monitor
SPO2 Probe
Blood Pressure Cuff
Nasal Cannula
Thermometer
Blood Glucose Monitor
Face mask with nebulizer chamber
IV Pump
IV Start Kit and IV Catheter
Primary IV tubing
Alcohol Swabs
Insulin needles
3ML syringes and needles for drawing up medication
Albuterol 2.5mg/Ipratropium 0.5mg/3ml nebulizer solution
Methylprednisolone 125 mg/2ml vial
NovoLog 100 units/ml vial
Methylprednisolone 40 mg/ml vial
Lantus 100 units/ml vial
Lisinopril 10mg tabs
Metformin 500mg tabs
Lovenox 40mg/0.4ml pre-filled syringe
1 9
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Set-up for live feed of simulation to be played in a separate room for
students to observe

# **Simulator Prep Checklist**

Ensure Gaumard HAL Simulator is available
Hospital Gown
Female Wig
Place bed in high-fowler's position
Place patient tripoding over bedside table
Cut out patient ID and allergy band and attach it to HAL

# **Pre-Briefing Checklist**

<b>Orientation to Equipment:</b> vital sign and cardiac monitor, SPO2 monitoring, oxygen administration equipment including nebulizer, med cart with IV supplies, call light, phone to call clinician and other interprofessional team members, patient chart, paper MAR
<b>Orientation to Simulator:</b> Gaumard HAL Simulator capabilities: lung and heart sounds, cyanosis, pulses, voice and response
Review student roles in the scenario: primary nurse, secondary nurse, charge nurse
Review time allotment for each stage of the scenario
Review and provide a copy of objectives to students
Review timeline for the day: assigned group order, observation of live feed, debriefing after completion of unfolding scenario
Review worksheet for students observing simulation on live feed
Have students complete CCTDI Tool
Answer any questions

(Meakim et al., 2013)

## **California Critical Thinking Disposition Inventory Measurement Tool**

To be administered before participation in unfolding simulation and after participation
CCTDI Tool must be ordered through Insight Assessments
Students can complete the tool in paper form or via an online version
A kit containing a manual and copy of the instrument can be purchased
The tool has 75 statements in which the students rate their level of agreement or disagreement
Booklets and answer forms are shipped from Insight assessments to facilitator and then the answer forms are sent back to Insight Assessments where they are scored and a data file will be sent back to the facilitator
The online version is priced per student. The online system is available through a browser or app, and results are available instantly after students are done with the tool
Insight Assessments requires that the facilitator contacts them for a price quote

(Laird, T. F. N., 2005; Insight Assessment, 2019)

## Roles

<b>ED:</b> Students: Primary RN, Secondary RN, and Charge RN Embedded participants: ED Physician
<b>Med-Surg Night</b> : Students: Primary RN, Secondary RN, and Charge RN
Embedded participants: Respiratory Therapist
<b>Med-Surg Day</b> : Students: Primary RN, Secondary RN, and Charge RN
Embedded participants: N/A

#### **Dorothy Reynolds**

Age: 57

Weight: 240 lbs. Height: 5 ft 6 inches DOB: 1/10/1963

Allergies: PCN, Codeine

Home Meds:

Lantus 50 units SubQ at bedtime

NovoLog SubQ per sliding scale at meal times

Metformin 1000mg PO BID

• Lisinopril 20 mg PO daily

• Symbicort 160mcg/4.5mcg 2 puffs BID

• ProAir inhaler 1-2 puffs every 4-6 hours as needed for SOB

Montelukast 10mg PO daily

Rosuvastatin 20mg PO daily

#### **Student Report**

Dorothy Reynolds is a fifty-seven-year-old female brought to the Emergency Department (ED) by her neighbor. The patient has a history of asthma, diabetes mellitus type II, hypertension, hyperlipidemia, and obesity. The patient reports an increase in shortness of breath and chest tightness over the past 3 days prompting her to come to the ED. The patient's husband passed away one month ago and she lives alone at this time. The patient has a history of noncompliance with medications and states she hasn't been taking her medications regularly since her husband passed away. The patient has not been monitoring her blood glucose levels at home. The patient was admitted 10 months ago for diabetic ketoacidosis which required admission to the critical care unit.

Stage 1: ED (30 minutes)

Scenario Stage	Physiological State	Situation	Expected Student Performance
1 1800	Temperature: 98.8 F Blood Pressure: 152/89 Pulse: 105 Respiratory Rate: 30 O2 Sat: 83% on Room Air  Lung sounds: Diffuse wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA Alert and oriented	Dorothy Reynolds is sitting in the bed tripoding over a bedside table. Her breathing is labored with accessory muscle use. Dorothy's neighbor is at bedside with her.	<ol> <li>Conducts a focused respiratory assessment.</li> <li>Sets up vital sign monitoring with SPO2</li> <li>Recognizes abnormal findings: dyspnea, labored breathing, decreased SPO2, increased heart rate and respiratory rate</li> <li>Initiates and prioritizes respiratory interventions</li> <li>Applies nasal cannula at 2 LPM titrating up as needed</li> <li>Uses therapeutic communication with patient and neighbor</li> <li>Communicates effectively with team members</li> </ol>
1815	Temperature: 98.8 F Blood Pressure: 154/86	ED physician is at bedside with patient.	Reports findings to and collaborates with ED
	<u>Pulse:</u> 110	Dorothy is experiencing	physician

	Respiratory Rate: 28 O2 Sat: 92% on 6 LPM NC  Blood glucose: 480  • Lung sounds: Diffuse wheezing. • Heart sounds: S1, S2 regular • Bowel Sounds: Normoactive • Pulses: 2+ in all extremities • Cap Refill: less than 3 seconds • Skin: Warm and dry to touch • Pain: 0/10 • PERRLA • Alert and oriented	little to no relief after the application of oxygen.	<ol> <li>Interprets and implements orders given by physician</li> <li>Establishes IV access</li> <li>Administers methylprednisolone 125 mg IVP</li> <li>Administers Albuterol 2.5mg/lpratropium 0.5mg via nebulizer</li> <li>Checks blood glucose level at bedside</li> <li>Follows-up on lab, CXR, and 12-lead ECG orders</li> <li>Uses therapeutic communication with patient and neighbor</li> <li>Communicates effectively with team members</li> </ol>
III 1830	Temperature: 98.8 F Blood Pressure: 146/82 Pulse: 108 Respiratory Rate: 24 O2 Sat: 92% on 6 LPM NC	Dorothy is experiencing some relief and decreased work of breathing following steroid and nebulizer administration.	Notifies physician of lab results including blood glucose of 480     Interprets and implements orders given by physician

	Blood glucose: 250 30 minutes after NovoLog admin  Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA Alert and oriented	<ul> <li>3. Administers 8 units of NovoLog</li> <li>4. Rechecks blood glucose level 30 minutes after insulin administration</li> </ul>
IV 1900		<ol> <li>Receives order for pt transfer to the med-surg unit</li> <li>Informs pt and neighbor of admission</li> <li>Provides emotional support to pt</li> <li>Gives report to night shift RN assuming care of pt on the med-surg unit</li> </ol>

# **Dorothy Reynolds Response Guide (ED)**

General	My name is Dorothy Reynolds and my birthday is January 10, 1963
	I am allergic to codeine and Penicillin
	<ul> <li>I get really nauseated when I take codeine and I break out in hives when I take Penicillin</li> </ul>
	<ul> <li>No I'm not in any pain, my chest is just really tight</li> </ul>
Initial Assessment	<ul> <li>I've been having some trouble breathing the past 3 days but I didn't think it would get this bad. It got a lot worse today and I called my neighbor to bring me here</li> </ul>
	<ul> <li>I know I should have been taking my medicines at home, but it has been so hard to remember to do things after I lost my husband. He helped me remember to do things</li> </ul>
	<ul><li>I just can't get a deep breath. Please help me</li><li>Am I going to be okay?</li></ul>
If nebulizer and IV methylprednisolone are administered	<ul> <li>What are you putting in my IV? What does that do?</li> <li>Do you think I will get to go home after you give me that? I just really want to go home</li> </ul>
	I am starting to feel a little better after that breathing treatment you gave me
	I think I would like to lie back now
If nebulizer and IV	<ul> <li>It's getting a lot harder to breath now</li> </ul>
methylprednisolone are not	Please help me!
administered	I don't want to die.
	<ul> <li>Is there something you can give me to help me breath?</li> </ul>

After blood glucose reading and order to administer insulin	<ul> <li>Yeah I haven't checked my blood sugar at home in a few days</li> <li>It's been hard to do anything really after my husband died.</li> <li>What kind of insulin are you giving me? I'm supposed to be taking that at home sometimes</li> </ul>
After orders are received to admit Dorothy	<ul> <li>I really don't want to have to stay here, but I understand if I need to stay to get better</li> <li>Thank you for helping me</li> </ul>

# **ED Physician Response Guide (ED)**

Receiving SBAR report from nursing students at bedside	<ul> <li>Tell me a little about what is going on with Mrs. Reynolds</li> <li>Thank you for that report. I'm going to go ahead and put in a few orders. Keep her on the nasal cannula and titrate up to a max of 6LPM to keep her at or above 92%. Notify me of the blood glucose results</li> </ul>
If the SBAR report does not include needed information	Can you tell me more about?
During call about blood glucose results	<ul> <li>Thank you for that update. I'm going to put in an order for 8 units of NovoLog SQ X1 now. Go ahead and recheck the blood glucose level 30 minutes after administering the Novolog</li> </ul>

### Patient Armband

Reynolds, Dorothy DOB: 01/10/1963 AGE: 57 YO F

MR# 8742676

Allergies: PCN, Codeine

# Correct Treatment Checklist (ED) Group Members:

Wash hands
Each group member introduces self
Provide privacy
Identify the patient with 2 identifiers
Assess allergies
Assess pain level
Obtain BP, pulse, respiratory rate, temperature, SPO2
Place patient on O2 beginning with 2LPM NC and increasing as
appropriate for patient status
Perform a focused respiratory assessment
Recognize abnormal findings: decreased SPO2, tachypnea, dyspnea,
tachycardia, wheezing
Engage in therapeutic communication with patient
Reports findings to ED physician at bedside using SBAR
Receives and reviews clinician orders, also educating patient on new
orders/medications
Establishes IV access
Administers nebulizer treatment or contacts respiratory therapist to
administer treatment
Administers methylprednisolone
Checks blood glucose level at bedside
Receives lab, ECG, and CXR results
Communicates blood glucose level, lab, ECG, CXR results, and
updated patient condition to physician using SBAR
Receives and reviews new physician orders, also educating patient
on new orders/medications
Administers 8 units of NovoLog SQ to patient
Records medication administration on MAR
Rechecks blood glucose level 30 minutes after NovoLog
administration
Evaluates patient response to interventions
Gives bedside report to nurses receiving patient on the med-surg unit
for night shift

(National League for Nursing, 2010)

## **Initial ED Physicians Orders**

## **PHYSICIANS ORDERS**

DATE	HOUR	NURSE	
		INITIAL	DANGEROUS ABBREVIATIONS
			U, IU, QD, QOD, MS, MSO₄, MgSO₄, Trailing Zero, and Lack of Leading Zero
Sunday	1815		ED ORDERS
			Continuous pulse oximetry
			Continuous cardiac monitoring
			Continuous oxygen per nasal cannula at 2LPM Titrate up to 6LPM to maintain SPO2 > 92%
			CXR 2 view frontal AP/Lateral STAT
			12 Lead ECG STAT
			CMP, CBC, Troponin STAT
			Peripheral IV insertion
			Vital Signs Q1H
			Blood glucose monitoring POC
			Albuterol 2.5mg/lpratropium 0.5mg via nebulizer X1 NOW then Q1H PRN wheezing/SOB
			Methylprednisolone 125mg IVP X1 NOW
			Reynolds, Dorothy DOB: 01/10/1963 AGE:57 YO F MR# 8742676 Allergies: PCN, Codeine ED Bed: 21

## **ED Physicians Orders after POC Blood Glucose Check**

### **PHYSICIANS ORDERS**

DATE	HOUR	NURSE INITIAL	DANGEROUS ABBREVIATIONS
		INITIAL	
			U, IU, QD, QOD, MS, MSO₄, MgSO₄, Trailing Zero, and Lack of Leading Zero
Sunday	1830		ED ORDERS
			NovoLog 8 units SQ X1 now
			Recheck POC blood glucose in 30 minutes
			- Michael Reyes, MD
			Reynolds, Dorothy DOB: 01/10/1963 AGE:57 YO F MR# 8742676 Allergies: PCN, Codeine ED Bed: 21

#### **ED Medical Administration Record - Sunday 0700-1900**

Medication	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
Albuterol 2.5mg/lpratropium 0.5mg nebulizer X1 Now then Q1H PRN wheezing/SOB												1815	
Methylprednisolone 125mg IVP X1 NOW												1815	

Nurse's Printed Name	Signature	Initials

### **School of Nursing Medication Administration Record**

Reynolds, Dorothy **DOB**: 01/10/1963 **AGE**: 57 YO F

MR# 8742676

**Allergies**: PCN, Codeine

**ED Bed**: 21

#### **ED Medical Administration Record - Sunday 0700-1900**

Medication         0700         0800         0900         1000         1100         1200	1300 1400 1500 1600 1700 1800 1900
s SQ X1 now	1830

Nurse's Printed Name	Signature	Initials

## **School of Nursing Medication Administration Record**

Reynolds, Dorothy **DOB**: 01/10/1963 **AGE**: 57 YO F

MR# 8742676

Allergies: PCN, Codeine

**ED Bed**: 21

### **Medication Labels for ED Group**

Albuterol 2.5mg/lpratropium 0.5mg/3ml Exp. 07/2021

For simulation use only.

Methylprednisolone 125 mg/2ml Exp. 07/2021 For simulation use only.

> NovoLog 100 units/ml Exp. 07/2021 For simulation use only.

#### **Chest X-Ray Results**

Patient: Reynolds, Dorothy MR#: 8742676

DOB: 01/10/1963

Referring Physician: Michael Reyes, MD

Chest X-Ray 2 views:

Indication: History of asthma and shortness of breath X3 days.

Comparison: None

Findings: No acute infiltrates are identified. No consolidation. No

presentation of pleural effusion or pneumothorax is identified. Heart size is

normal.

Impression: No acute cardiopulmonary disease is identified.

Louis Carter, MD

# **CMP Results**

<u>Tests</u>	Result	<u>Flag</u>	<u>Units</u>	Reference Interval
Glucose, Serum	482	High	mg/dL	64-100
BUN	14		mg/dL	7-20
Creatinine, Serum	1.1		mg/dL	0.8-1.2
eGFR If Non-African Am	70		mL/min/1.73	>59
eGFR if African Am	84		mL/min/1.73	>59
BUN/Creatinine Ratio	13			12-28
Sodium, Serum	140		mmol/L	136-144
Potassium, Serum	4.1		mmol/L	3.7-5.2
Chloride, Serum	102		mmol/L	101-111
Carbon Dioxide, Total	32	High	mmol/L	20-29
Calcium, Serum	8.9		mg/dL	8.7-10.3
Protein, Total, Serum	6.5		g/dL	6.0-8.5
Albumin, Serum	4.3		g/dL	3.5-4.8
Globulin, Total	2.5		g/dL	1.5-4.5
A/G Ratio	1.7			1.2-2.2
Bilirubin, Total	0.4		mg/dL	0.0-1.2
Alkaline Phosphatase	63		IU/L	39-117
AST (SGOT)	20		IU/L	0-40
ALT (SGPT)	24	2047 11	IU/L	0-32

(Allina Health, 2017; Health Testing Centers, n.d.)

## **CBC with Diff/Platelet Results**

<u>Tests</u>	Result	<u>Flag</u>	<u>Units</u>	Reference Interval
WBC	6.6		X10E3/uL	3.4-10.8
RBC	4.07	Low	X10E3/uL	4.14-5.80
Hemoglobin	14.8		g/dL	13.0-17.7
Hematocrit	40.2		%	37.5-51.0
MCV	82		fL	79-97
MCH	27.2		pg	26.6-33.0
MCHC	33.2		g/dL	31.5-35.7
RDW	14.2		%	12.3-15.4
Platelets	275		X10E3/uL	150-379
Neutrophils	57		%	Not Estab.
Lymphs	32		%	Not Estab.
Monocytes	8		%	Not Estab.
Eos	2		%	Not Estab.
Basos	1		%	Not Estab.
Neutrophils (Absolute)	3.9		X10E3/uL	1.4-7.0
Lymphs (Absolute)	2.4		X10E3/uL	0.7-3.1
Monocytes (Absolute)	0.6		X10E3/uL	0.1-0.9
Eos (Absolute)	0.2		X10E3/uL	0.0-0.4
Baso (Absolute)	0.0		X10E3/uL	0.0-0.2
Immature Granulocytes	0		%	Not Estab.
Immature Grans (Abs)	0.0	/1.1	X10E3/uL	0.0-0.1

(Health Testing Centers, n.d.)

## **Troponin**

<u>Tests</u>	Result	<u>Flag</u>	<u>Units</u>	Reference Interval
Troponin I	0.01		ng/ml	0.00-0.04

## 12 Lead ECG Results

#### SINUS TACHYCARDIA

Ventricular Rate: 120 BPM

PR Interval: 198 ms

QRS dur: 90 ms

QT/QTc: 289/360 ms

P-R-T axes: 89 93 57

Stage 2: Night Shift on the Med-Surg Floor (30 minutes)

Scenario	Physiological State	Situation	Expected Student
Stage	Temperature: 98.8 F Blood Pressure: 140/76 Pulse: 95 Respiratory Rate: 24 O2 Sat: 94% on 6 LPM NC  • Lung sounds: Mild inspiratory/expiratory wheezing. • Heart sounds: S1, S2 regular • Bowel Sounds: Normoactive • Pulses: 2+ in all extremities • Cap Refill: less than 3 seconds • Skin: Warm and dry to touch • Pain: 0/10 • PERRLA • Alert and oriented	Dorothy has just arrived to the room on the medsurg floor	Performance  1. Receives report from ED RN  2. Conducts a head to toe assessment  3. Retrieves an initial set of vital signs  4. Reviews new admission orders and implements  5. Educates pt on orders and medications  6. Maintains appropriate oxygen therapy
11 1930	Temperature: 98.8 F Blood Pressure: 142/85 Pulse: 90 Respiratory Rate: 22 O2 Sat: 98% on 6 LPM NC Blood glucose: 275	Dorothy is asking for a dinner tray.	<ol> <li>Calls dietary to order dinner tray for patient.</li> <li>Checks POC blood glucose and administers sliding</li> </ol>

	<ul> <li>Lung sounds: Mild inspiratory/expiratory wheezing.</li> <li>Heart sounds: S1, S2 regular</li> <li>Bowel Sounds: Normoactive</li> <li>Pulses: 2+ in all extremities</li> <li>Cap Refill: less than 3 seconds</li> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> <li>Alert and oriented</li> </ul>		scale insulin based on results 3. Weans oxygen
III 2100	Temperature: 98.8 F Blood Pressure: 138/82 Pulse: 92 Respiratory Rate: 22 O2 Sat: 99% on 6 LPM NC (If oxygen has been weaned→ 96% on 4LPM NC; 92% on 2LPM NC)  Blood glucose: 180 after dinner and sliding scale insulin administration (If sliding scale insulin was not administered before meal→ blood glucose is 385)		Administers 2100     medications: Lantus     and Metformin     Rechecks blood     glucose before     administration of Lantus     and Metformin
IV 0700	At the start of bedside report: <u>Temperature:</u> 98.8 F <u>Blood Pressure:</u> 140/82 <u>Pulse:</u> 85	Change of shift report. During bedside report, Dorothy has a coughing	Calls respiratory for     Albuterol/Ipratropium     nebulizer treatment.

Respiratory Rate: 22 O2 Sat: 99% on 6 LPM NC (If oxygen has been weaned→ 96% on 4LPM NC; 92% on 2LPM NC)	episode and states that she is feeling SOB.	<ol> <li>Maintains appropriate         oxygen therapy</li> <li>Performs a focused         respiratory assessment</li> <li>Provides emotional</li> </ol>
During coughing episode:  Temperature: 98.8 F  Blood Pressure: 150/95  Pulse: 115  Respiratory Rate: 30  O2 Sat: 92% on 6 LPM NC (If oxygen has been weaned→ 88% on 4LPM NC; 85% on 2LPM NC)		support to pt

# **Dorothy Reynolds Response Guide (Night Shift Med-Surg)**

General	<ul> <li>My name is Dorothy Reynolds and my birthday is January 10, 1963</li> <li>I am allergic to codeine and Penicillin</li> <li>I get really nauseated when I take codeine and I break out in hives when I take Penicillin</li> <li>No I'm not in any pain</li> </ul>
Initial Assessment	<ul> <li>How much longer do I have to keep this thing in my nose?</li> <li>I am starving. Is there any way I can get something to eat now?</li> <li>I feel like I'm able to catch my breath better now.</li> <li>The tightness in my chest is feeling a lot better too.</li> </ul>
During medication administration	<ul> <li>I really need to be better about taking my medications so I don't end up in here again</li> <li>Since my husband passed away last month, I just really haven't felt like leaving the house or doing anything. It is so lonely</li> </ul>
During change of shift report at 0700	<ul> <li>I don't know where this cough is coming from. It is getting a lot harder to breath now</li> <li>I can feel the chest tightness again</li> <li>Please help me. I just really want to go home</li> </ul>

Stage 3: Day Shift on the Med-Surg Floor (30 minutes)

Scenario Stage	Physiological State	Situation	Expected Student Performance
0730	Temperature: 98.8 F Blood Pressure: 148/88 Pulse: 105 Respiratory Rate: 24 O2 Sat: 94% on 6 LPM NC  • Lung sounds: Mild inspiratory/expiratory wheezing. • Heart sounds: S1, S2 regular • Bowel Sounds: Normoactive • Pulses: 2+ in all extremities • Cap Refill: less than 3 seconds • Skin: Warm and dry to touch • Pain: 0/10 • PERRLA • Alert and oriented	Dorothy is experiencing relief from her SOB after nebulizer administration. Her work of breathing has decreased.	<ol> <li>Receives report from Night Shift RNs</li> <li>Reassess pt after nebulizer treatment</li> <li>Conducts a head to toe assessment</li> <li>Retrieves an initial set of vital signs</li> <li>Reviews physicians orders and implements</li> <li>Educates pt on orders and medications</li> <li>Maintains appropriate oxygen therapy</li> </ol>
II 0800	Temperature: 98.9 F Blood Pressure: 142/85 Pulse: 98 Respiratory Rate: 22 O2 Sat: 98% on 6 LPM NC Blood glucose: 250	Dorothy is asking for a breakfast tray.	<ol> <li>Calls dietary to order breakfast tray for patient.</li> <li>Checks POC blood glucose and administers sliding scale insulin based on results</li> </ol>

Description   Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing.  Heart sounds: S1, S2 regular Bowel Sounds: Normoactive  Concerns about remembering to take her medications at home and staying compliant with her medication schedule since her husband passed away.  Concerns about remembering to take her medications: lisinopril, Montelukast, metformin, Symbicort schedule since her husband passed away.  Example 138/89  Montelukast, metformin, Symbicort schedule since her husband passed away.  Example 20  Montelukast, metformin, Symbicort schedule since her husband passed away.  Example 20  Montelukast, metformin, Symbicort schedule since her husband passed away.				
Heart sounds: S1, S2 regular     Bowel Sounds: Normoactive     Pulses: 2+ in all extremities     Cap Refill: less than 3 seconds     Skin: Warm and dry to touch     Pain: 0/10     PERRLA     Alert and oriented  III 0900  Temperature: 98.9 F Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 02 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing.     Heart sounds: S1, S2 regular     Bowel Sounds: Normoactive     Pulses: 2+ in all extremities     Cap Refill: less than 3 seconds     Skin: Warm and dry to touch     Pain: 0/10     PERRLA  Herat sounds: S1, S2 regular     Skin: Warm and dry to touch     Pain: 0/10     PERRLA  Herat sounds: S1, S2 regular     Skin: Warm and dry to touch     Pain: 0/10     PERRLA				
Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA Alert and oriented  III O900 Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA  Dorothy is voicing concerns about remembering to take her medications at home and staying compliant with her medication schedule since her husband passed away.  1. Administers 0900 medications: lisinopril, Montelukast, metformin, Symbicort Symbicort 2. Provides emotional support and education to patient about home medications Skin: Warm and dry to touch Pain: 0/10 PERRLA		inspiratory/expiratory wheezing.		
Pulses: 2+ in all extremities     Cap Refill: less than 3 seconds     Skin: Warm and dry to touch     Pain: 0/10     PERRLA     Alert and oriented  III     Temperature: 98.9 F     Blood Pressure: 138/89     Pulse: 85     Respiratory Rate: 20     O2 Sat: 98% on 6 LPM NC      Lung sounds: Mild inspiratory/expiratory wheezing.     Heart sounds: S1, S2 regular     Bowel Sounds: Normoactive     Pulses: 2+ in all extremities     Cap Refill: less than 3 seconds     Skin: Warm and dry to touch     Pain: 0/10     PERRLA      Dorothy is voicing concerns about remembering to take her medications at home and staying compliant with her medication schedule since her husband passed away.  1. Administers 0900 medications: lisinopril, Montelukast, metformin, Symbicort     Symbicort     2. Provides emotional support and education to patient about home medications.		<ul> <li>Heart sounds: S1, S2 regular</li> </ul>		therapy
Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA Alert and oriented  III Temperature: 98.9 F Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA  Dorothy is voicing concerns about remembering to take her medications at home and staying compliant with her medication schedule since her husband passed away.  1. Administers 0900 medications: lisinopril, Montelukast, metformin, Symbicort schedule since her husband passed away.  2. Provides emotional support and education to patient about home medications.		<ul> <li>Bowel Sounds: Normoactive</li> </ul>		
Skin: Warm and dry to touch Pain: 0/10 PERRLA Alert and oriented  III O900  Temperature: 98.9 F Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA  Dorothy is voicing concerns about remembering to take her medications at home and staying compliant with her medication schedule since her husband passed away.  1. Administers 0900 medications: lisinopril, Montelukast, metformin, Symbicort schedule since her husband passed away.  2. Provides emotional support and education to patient about home medications.		<ul> <li>Pulses: 2+ in all extremities</li> </ul>		
Skin: Warm and dry to touch Pain: 0/10 PERRLA Alert and oriented  III O900  Temperature: 98.9 F Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA  Dorothy is voicing concerns about remembering to take her medications at home and staying compliant with her medication schedule since her husband passed away.  1. Administers 0900 medications: lisinopril, Montelukast, metformin, Symbicort schedule since her husband passed away.  2. Provides emotional support and education to patient about home medications.		<ul> <li>Cap Refill: less than 3 seconds</li> </ul>		
Pain: 0/10 PERRLA Alert and oriented  III O900  III O900  Temperature: 98.9 F Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Perrus Pain: 0/10 PERRLA  Dorothy is voicing concerns about remembering to take her medications: lisinopril, Montelukast, metformin, Symbicort Symbicort  2. Provides emotional support and education to patient about home medications		·		
Alert and oriented  III				
III Temperature: 98.9 F 0900 Blood Pressure: 138/89 Pulse: 85 Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC  • Lung sounds: Mild inspiratory/expiratory wheezing. • Heart sounds: S1, S2 regular • Bowel Sounds: Normoactive • Pulses: 2+ in all extremities • Cap Refill: less than 3 seconds • Skin: Warm and dry to touch • PERRLA  Dorothy is voicing concerns about remembering to take her medications at home and staying compliant with her medication schedule since her husband passed away.  1. Administers 0900 medications: lisinopril, Montelukast, metformin, Symbicort 2. Provides emotional support and education to patient about home medications		• PERRLA		
Description of the state of the		Alert and oriented		
Description of the problem of the pr	III	Temperature: 98.9 F	Dorothy is voicing	1. Administers 0900
Respiratory Rate: 20 O2 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA  medications at home and staying compliant with her medication schedule since her husband passed away.  Montelukast, metformin, Symbicort 2. Provides emotional support and education to patient about home medications	0900	Blood Pressure: 138/89	concerns about	medications:
O2 Sat: 98% on 6 LPM NC  Lung sounds: Mild inspiratory/expiratory wheezing. Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA  and staying compliant with her medication schedule since her husband passed away.  metformin, Symbicort 2. Provides emotional support and education to patient about home medications		Pulse: 85	remembering to take her	lisinopril,
<ul> <li>Lung sounds: Mild</li> <li>Lung sounds: Mild</li> <li>inspiratory/expiratory wheezing.</li> <li>Heart sounds: S1, S2 regular</li> <li>Bowel Sounds: Normoactive</li> <li>Pulses: 2+ in all extremities</li> <li>Cap Refill: less than 3 seconds</li> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> </ul> with her medication <ul> <li>Symbicort</li> <li>Provides</li> <li>emotional support</li> <li>and education to</li> <li>patient about</li> <li>home medications</li> </ul>		Respiratory Rate: 20	medications at home	Montelukast,
<ul> <li>Lung sounds: Mild inspiratory/expiratory wheezing.</li> <li>Heart sounds: S1, S2 regular</li> <li>Bowel Sounds: Normoactive</li> <li>Pulses: 2+ in all extremities</li> <li>Cap Refill: less than 3 seconds</li> <li>Skin: Warm and dry to touch</li> <li>PERRLA</li> </ul> 2. Provides emotional support and education to patient about home medications		O2 Sat: 98% on 6 LPM NC	and staying compliant	metformin,
inspiratory/expiratory wheezing.  Heart sounds: S1, S2 regular Bowel Sounds: Normoactive Pulses: 2+ in all extremities Cap Refill: less than 3 seconds Skin: Warm and dry to touch Pain: 0/10 PERRLA			with her medication	Symbicort
<ul> <li>Heart sounds: S1, S2 regular</li> <li>Bowel Sounds: Normoactive</li> <li>Pulses: 2+ in all extremities</li> <li>Cap Refill: less than 3 seconds</li> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> </ul>		<ul><li>Lung sounds: Mild</li></ul>	schedule since her	2. Provides
<ul> <li>Bowel Sounds: Normoactive</li> <li>Pulses: 2+ in all extremities</li> <li>Cap Refill: less than 3 seconds</li> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> </ul>		inspiratory/expiratory wheezing.	husband passed away.	emotional support
<ul> <li>Pulses: 2+ in all extremities</li> <li>Cap Refill: less than 3 seconds</li> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> </ul>		<ul> <li>Heart sounds: S1, S2 regular</li> </ul>		and education to
<ul> <li>Cap Refill: less than 3 seconds</li> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> </ul>		<ul> <li>Bowel Sounds: Normoactive</li> </ul>		patient about
<ul> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> </ul>		<ul> <li>Pulses: 2+ in all extremities</li> </ul>		home medications
<ul> <li>Skin: Warm and dry to touch</li> <li>Pain: 0/10</li> <li>PERRLA</li> </ul>		<ul> <li>Cap Refill: less than 3 seconds</li> </ul>		
<ul> <li>Pain: 0/10</li> <li>PERRLA</li> </ul>		·		
• PERRLA				
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# **Dorothy Reynolds Response Guide (Day Shift Med-Surg)**

General	<ul> <li>My name is Dorothy Reynolds and my birthday is January 10, 1963</li> <li>I am allergic to codeine and Penicillin</li> <li>I get really nauseated when I take codeine and I break out in hives when I take Penicillin</li> <li>No I'm not in any pain</li> </ul>
Initial Assessment	<ul> <li>I'm starting to feel a little better after that breathing treatment</li> <li>Do you think I will be able to go home today?</li> </ul>
0800	<ul> <li>I feel like my breathing has gotten a lot better now. I really hope I get to go home today.</li> <li>When will the doctor be by? I think I'm ready to order breakfast</li> </ul>
During 0900 medication administration	<ul> <li>Can you tell me about what medications you are giving me?</li> <li>My husband used to put my pills in a pill box for me, but now that he is gone I just haven't been doing it</li> <li>I need to figure out a way to make sure I take all of these things at home. I just hate having to stick myself with that insulin needle all of the time</li> </ul>

# **Correct Treatment Checklist Med-Surg Night Shift**

Group Members:
Receives report from ED nurses
Wash hands
Each group member introduces self
Provide privacy
Identify the patient with 2 identifiers
Assess allergies
Assess pain level
Obtain BP, pulse, respiratory rate, temperature, SPO2
Perform a head to toe and focused respiratory assessment
Recognize abnormal findings: wheezing
Reviews new admission orders and implements
Educates patient on new orders and medications
Engage in therapeutic communication with patient
Weans oxygen as appropriate
Calls dietary to order dinner tray for patient
Checks POC blood glucose after ordering dinner tray and administers
sliding scale insulin based on results
Administers 0900 medications: lisinopril, Montelukast, metformin, Symbicort
Records medication administration on MAR
Gives change of shift report to oncoming dayshift nurses
Recognizes change in patient status during shift change
Titrates oxygen as appropriate to keep SPO2 > 92%
Administers nebulizer treatment or contacts respiratory therapist to
administer treatment
Performs a focused respiratory assessment
Provides emotional support to patient
Evaluates patient response to interventions

(National League for Nursing, 2010)

# Correct Treatment Checklist Med-Surg Day Shift Group Members\_\_\_\_\_

Receives report from night shift nurses
Assists night shift nurses with interventions during patient status
change during bedside report
Wash hands
Each group member introduces self
Provide privacy
Identify the patient with 2 identifiers
Assess allergies
Assess pain level
Evaluate patient response to nebulizer treatment and increase in
oxygen
Obtain BP, pulse, respiratory rate, temperature, SPO2
Perform a head to toe and focused respiratory assessment
Recognize abnormal findings: wheezing
Reviews orders and implements
Educates patient on orders and medications
Engage in therapeutic communication with patient
Calls dietary to order breakfast tray for patient once stable
Checks POC blood glucose after ordering breakfast tray and
administers sliding scale insulin based on results
Weans oxygen as appropriate
Administers 2100 medications: Lantus and Metformin
Records medication administration on MAR
Provides emotional support and education to patient about home
medications and concerns with medication compliance at home
Evaluates patient response to interventions

(National League for Nursing, 2010)

### **PHYSICIANS ORDERS**

DATE	HOUR	NURSE INITIAL	DANGEROUS ABBREVIATIONS
			J, IU, QD, QOD, MS, MSO₄, MgSO₄, Trailing Zero, and Lack of Leading Zero
Sunday	1900		Code status: Full code
			Admit to medical-surgical unit for observation
			Diagnosis: Unspecified asthma with (acute) exacerbation; Type 2 diabetes mellitus with hyperglycemia; Patient's other noncompliance with medication regimen
			1800 ADA diet
			Vital signs q 4 hr.
			Continuous pulse oximetry; notify physician if oxygen saturation level falls below 92%
			Titrate oxygen to maintain oxygen saturation levels at or above 92%
			Incentive spirometry every 4 hours
			Consult to respiratory therapy
			Consult to case management
			Routine I&O
			Activity as tolerated
			Blood glucose checks POC AC & HS and PRN
			Albuterol 2.5mg/Ipratropium 0.5mg/3ml nebulizer Q4H while awake Q1H PRN wheezing/SOB
			Methylprednisolone 40mg IVP Q8H
			LR 60 ml/hr. IV continuous
			Lisinopril 20 mg PO daily
			Montelukast 10mg PO daily
			Rosuvastatin 20 mg PO bedtime
			Metformin 1000 mg PO BID
			Lantus 50 units SQ at bedtime
			Lovenox 40 mg SQ daily
			NovoLog SQ per sliding scale at meal times-Moderate dosing
			Symbicort 160mcg/4.5mcg 2 puffs BID
			Acetaminophen 650 mg PO Q4H PRN pain/fever
			Derek Green, MD
			Reynolds, Dorothy DOB: 01/10/1963 AGE:57 YO F MR# 8742676 Allergies: PCN, Codeine Bed: 418

#### **Medication Labels for Night/Day Shift Groups**

Albuterol 2.5mg/Ipratropium 0.5mg/3ml Exp. 07/2021

For simulation use only.

Methylprednisolone 40 mg/ml Exp. 07/2021

For simulation use only.

Lantus 100 units/ml Exp. 07/2021 For simulation use only.

Lisinopril
10 mg Tabs
Exp. 07/2021
For simulation use only.

Metformin 500 mg Tabs Exp. 07/2021 For simulation use only.

NovoLog 100 units/ml Exp. 07/2021 For simulation use only.

Symbicort 160mcg/4.5mcg Exp. 07/2021 For simulation use only.

Lovenox 40mg/0.4ml Exp. 07/2021

For simulation use only.

Acetaminophen 650 mg tabs Exp. 07/2021 For simulation use only.

Reynolds, Dorothy **DOB**: 01/10/1963 **AGE**:57 YO F

**MR#** 8742676

Allergies: PCN, Codeine

**Bed:** 418

LR 1000 mL

Rate: 60 mL/hr

Exp. 07/2021
For simulation use only.

Medical Administration Record - Sunday 1900-0700

Medicai Administra	ation itecoi	<u>u - Uu</u>	ilauy	1000-0	,, ,,								
Medication	1900	2000	2100	2200	2300	0000	0100	0200	0300	0400	0500	0600	0700
LR 125 ml/hr. IV continuous	1915												
Methylprednisolone 40mg IVP Q8H								0200					
Lantus 50 units SQ			2100										
Metformin 1000 mg PO BID			2100										
Rosuvastatin 20 mg at bedtime			2100										
Lovenox 40 mg SQ daily			2100										
Albuterol 2.5mg/lpratropium 0.5mg/3ml nebulizer Q4H while awake				2200				0200				0600	
PRN Medication	1900	2000	2100	2200	2300	0000	0100	0200	0300	0400	0500	0600	0700
Albuterol 2.5mg/lpratropium 0.5mg/3ml nebulizer Q1H PRN wheezing/SOB													
NovoLog SQ per sliding scale (moderate dosing) at meal times													
Acetaminophen 650 mg Q4H PRN pain/fever													

Nurse's Printed Name	Signature	Initials

**School of Nursing Medication Administration Record** 

Reynolds, Dorothy DOB: 01/10/1963 AGE: 57 YO F

MR# 8742676

Allergies: PCN, Codeine

**Bed**: 418

**Medical Administration Record - Monday 0700-1900** 

Wedical Administr	ation i	<del>vecel a</del>	- 101011	auy or	00-13	00							
Medication	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
LR 125 ml/hr. IV continuous													
Methylprednisolone 40mg IVP Q8H				1000									
Lisinopril 20 mg PO daily			0900										
Montelukast 10 mg PO daily			0900										
Metformin 1000 mg PO BID			0900										
Symbicort 160mcg/4.5mcg 2 puffs BID			0900										
Albuterol 2.5mg/lpratropium 0.5mg/3ml nebulizer Q4H while awake				1000				1400				1800	
PRN Medication	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
Albuterol 2.5mg/lpratropium 0.5mg/3ml nebulizer Q1H PRN wheezing/SOB													
NovoLog SQ per sliding scale (moderate dosing) at meal times													
Acetaminophen 650 mg Q4H PRN pain/fever													

Nurse's Printed Name	Signature	Initials

### School of Nursing Medication Administration Record

Reynolds, Dorothy

**DOB**: 01/10/1963 **AGE**: 57 YO F

MR# 8742676

Allergies: PCN, Codeine

**Bed**: 418

#### Adult Sliding Scale for Insulin Aspart (NovoLog)

Blood Glucose (mg/dL)	LOW DOSE	MODERATE DOSE	HIGH DOSE
Less than 70	Initiate Hypoglycemia guidelines and notify provider	Initiate Hypoglycemia guidelines and notify provider	Initiate Hypoglycemia guidelines and notify provider
70-139	0 units	0 units	0 units
140-180	2 units subcutaneous	3 units subcutaneous	4 units subcutaneous
181-240	3 units subcutaneous	4 units subcutaneous	6 units subcutaneous
241-300	4 units subcutaneous	6 units subcutaneous	8 units subcutaneous
301-350	6 units subcutaneous	8 units subcutaneous	10 units subcutaneous
351-400	8 units subcutaneous	10 units subcutaneous	12 units subcutaneous
Greater than 400	Notify provider	Notify Provider	Notify provider

(UMC Pharmacy, 2015)

## Worksheet for Students Observing Simulation on Live Feed Instructions: Please write observations for how each action was performed during the simulation.

Action	Observation
Teamwork	
<ul> <li>Focus: Interaction and Leadership</li> <li>How well did the team interact with one another?</li> <li>Did every team member participate and share or receive information?</li> <li>Which team member took the lead?</li> <li>How was it determined who would take the lead?</li> </ul>	
Communication	
<ul> <li>Focus: Clarity and Specificity</li> <li>How well was communication achieved among the team?</li> <li>When there was confusion, did someone offer clarity in the decisions being made?</li> <li>Did someone explain the reasoning behind the decisions being made?</li> <li>Were instructions or requests made with complete and specific information?</li> <li>Did there appear to be misunderstanding or confusion due to communication?</li> </ul>	
<ul> <li>Situational Awareness</li> <li>Focus: Knowledge and Understanding, Sharing Information</li> <li>Discuss the comfort level of the team in terms of what they knew and how well they understood how to respond to their patient.</li> <li>How was information shared with others? Was it effective and timely? Did all parties receive updates as required or necessary?</li> </ul>	

### **Debriefing Guide**

Debriefing Points	Suggested Questions
Guide participants to describe their thinking as they prepared to encounter the patient.	What did you expect to discover when you went into the patient's room?
Ask broad questions to expose deeper thinking behind what participants anticipated. Follow the thoughts they are disclosing in debriefing with further questions, in a non-judgmental tone and manner.	Tell me more What made you think you would find
Direct the conversation to the actions and behaviors that were evident during the scenario.	Let's talk about what happened when you first went into the room.  Describe to me what you were thinking when you began your care in the scenario with  Tell me more  What was going through your mind when youWhat made you think
Guide participants to consider the patient's responses to their actions and care provided.	How did you think (specific action) went?  Oxygen application Assessment SBAR with provider Nebulizer administration Methylprednisolone administration Insulin administration  How did the patient respond to (specific action)?  What did you think of that response?  Looking back, is there anything you would have done differently (regarding a specific action)?

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