



**Seguridad Health Measures Intervention**  
 Funded by the Community Pharmacy Foundation  
 December 2021

**Title:** Assessment of Weights in Pediatrics

**Description:** Percent of pediatric patients (17 years and less) with an updated weight during the measurement year. A higher score is better.

**Rationale:** Most pediatric prescriptions are weight-based and the pharmacy should be checking the dose prior to dispensing.

Patient Name \_\_\_\_\_ DOB \_\_\_\_\_ Date Dispensed \_\_\_\_\_

**Collect:**

Is the patient's weight on file prior to any intervention?		What is the current weight (lbs)?	Medication	Requires weight-based dosing.	
Y	N			Y	N
				Y	N
				Y	N
				Y	N

**Assess:**

Please use the Seguridad Health Measures Pediatric calculator, or calculate by hand, to assess the medication and dose for applicable medications.

**Plan + Implement:**

Is the medication dosed within recommendations?		Intervention		Outcome	
				Caregiver Counseled	
			Contacted Prescriber		Dose Changed
Y	N		RPh Judgement		Medication Changed

**Sample Calculation:**

Rx for Amoxil 200mg Q8hours.

- What is the dosing recommendation?
  - AAP recommends 25 to 50 mg/kg/day in divided doses every 8 hours
- What is the total daily dose for the prescription?
  - 200mg x 3 = 600mg
- What is the minimum recommended weight (dosed at 50mg/kg)
  - 600mg / 50mg/kg = 12 kg = 26.4 pounds
- What is the maximum recommended weight (dosed at 25mg/kg)
  - 600mg / 25mg/kg = 24 kg = 52.8 pounds
- Does the child weigh between 26.4 – 52.8 pounds?



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**Title:** Assessment of Renal Function in Older Adults

**Description:** Percent of patients age 65 years and older with a serum creatine on file at the pharmacy during the measurement year. A higher score is better.

**Rationale:** Older adults have diminished renal function and many medications need to be adjusted based on renal excretion. This measure assesses whether the pharmacy has collected the laboratory information required to assess renal function.

Patient Name	DOB	Date Dispensed
Race	Gender	

**Collect:**

Is the patient's weight on file prior to any intervention?	What is the current weight (lbs)?	Medication	Requires renal dose adjustment?	
			Y	N
Y	N		Y	N
Is the patient's serum creatinine on file prior to any intervention?	What is the serum creatinine?		Y	N
			Y	N
			Y	N
			Y	N
Y	N		Y	N

**Assess:**

Please use the Seguridad Health Measures Renal calculator, or calculate by hand, to assess the medication and dose.

What is the Creatinine Clearance/GFR? \_\_\_\_\_

**Plan + Implement:**

Is (Are) the medication(s) dosed within recommendations?	Intervention	Outcome	
			Y
		Contacted Prescriber	Dose Changed
		RPh Judgement	Medication Changed
Which medication(s) required intervention?			

**Sample Calculation:**

[Cockcroft and Gault Formula](#) -  $C_{cr} = \{((140 - \text{age}) \times \text{weight}) / (72 \times S_{cr})\} \times 0.85$  (if female)

[MDRD Equation](#) -  $GFR \text{ (mL/min/1.73 m}^2\text{)} = 175 \times (S_{cr})^{-1.154} \times (\text{Age})^{-0.203} \times (0.742 \text{ if female}) \times (1.212 \text{ if African American})$