

QI PROJECT: EPIC BEST PRACTICE ALERT FOR DIAMOX PRESCRIBING



Sponsors: Brian Zaugg, Judith Warner, Norm Zabriskie

QI: Epic BPA for Diamox prescribing

- Best Practice Alert (BPA) set to activate for patients being prescribed Diamox who may be at risk of hypokalemia due to:

Labs



- Cr > 1.0 mg/dL
- BUN > 20 mg/dL
- K+ < 3.5 mmol/L
- Outdated
- Absent

Diagnoses



- Heart failure
- Kidney disease
- DM type 1 or 2
- Hypertension
- Cirrhosis

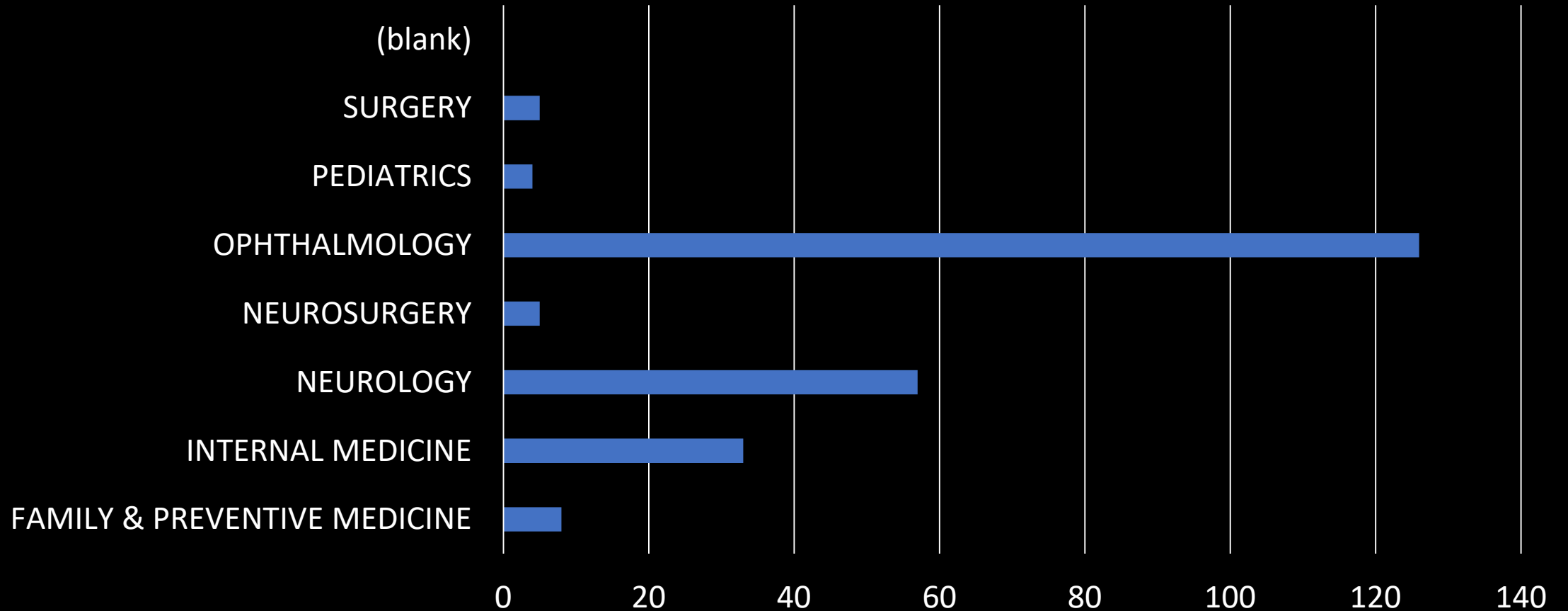
Medications



- Diuretics
- Other CAls
- Bicarbonate
- Beta-agonists (albuterol)
- Others (Methylxanthines, Insulin, Verapamil, Antipsychotics, Antibiotics, Anti-fungals)

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Diamox prescriptions since 2/1/20



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BestPractice Advisory - Test, Obiv

Care Guidance (1)

ⓘ Patient has medications, labs, or problems that may increase risk of HYPOkalemia with Diamox orders. Please review appropriateness.

CrCl cannot be calculated (No successful lab value found.).

No results found for: SODIUM, K, CL, CO2, AGAP, GLUC, BUN, CREAT, CA, TP, ALBU, ALKP, AST, ALT

Patient Active Problem List

Diagnosis	Date Noted
• Moderate persistent asthma	12/30/2019
• Epilepsy (HCC)	12/30/2019
• Uncontrolled type 1 diabetes mellitus with hyperglycemia (HCC)	12/30/2019

No Known Allergies

Remove the following orders? _____

Remove

Keep

acetaZOLAMIDE (DIAMOX) 500 MG 12 hr sustained release capsule
Take 1 capsule (500 mg) by mouth.

[Leave to Medications Activity](#)

ⓘ Acknowledge Reason _____

Benefits outweigh risk

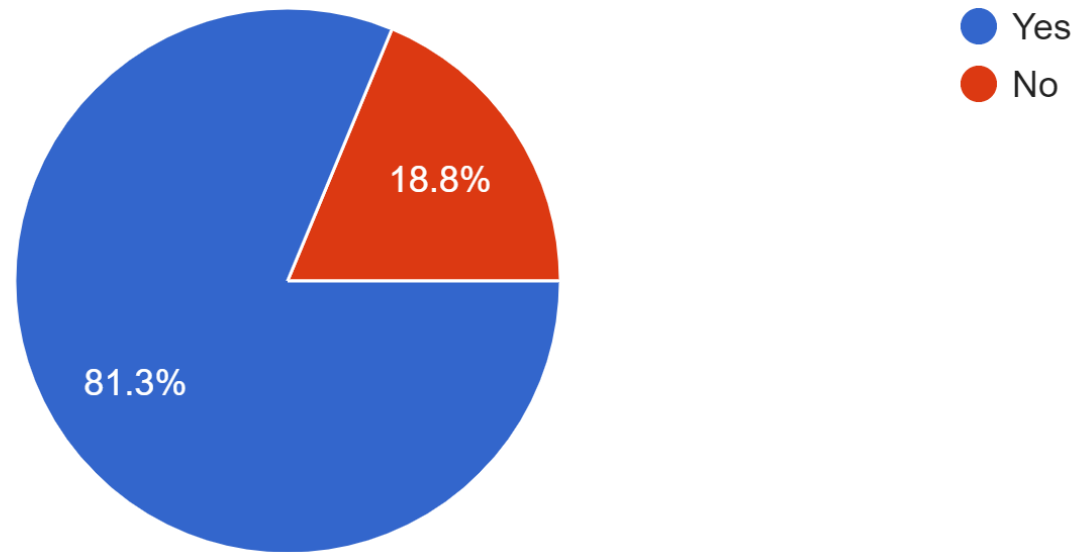
See comments

Accept

Q1: Epic BPA for Diamox prescribing

Have you prescribed Diamox for an outpatient in the past 3-6 months?

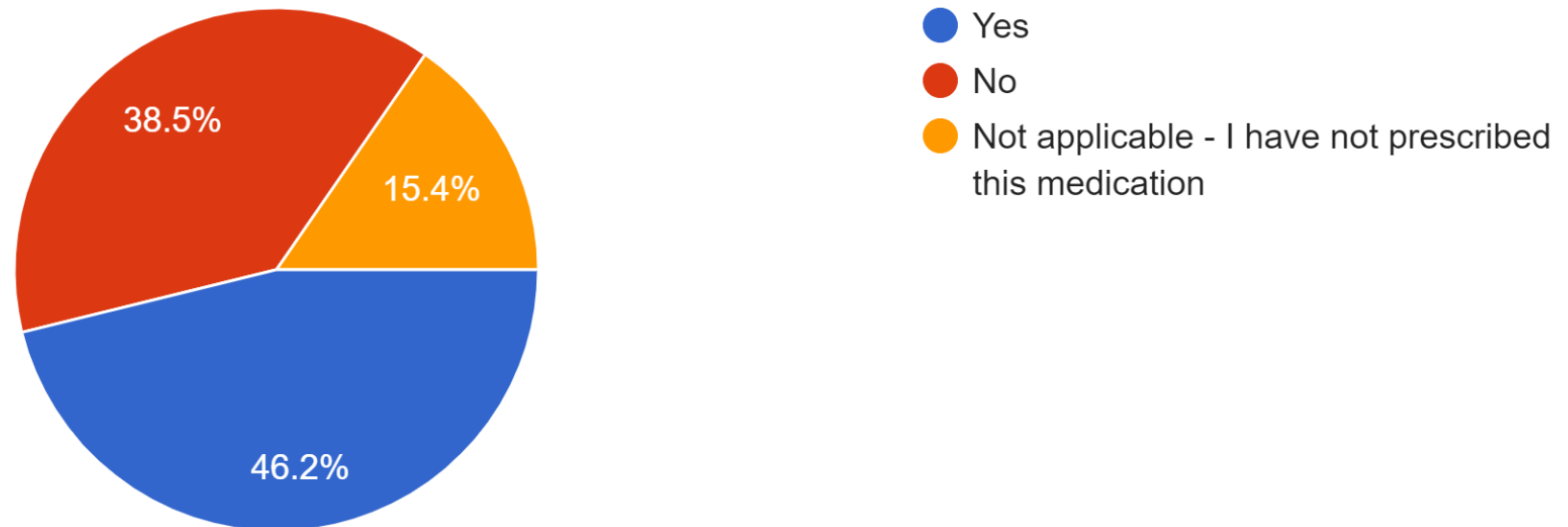
16 responses



Q1: Epic BPA for Diamox prescribing

If you have prescribed acetazolamide (Diamox), did you notice the pop-up prescribing alert?

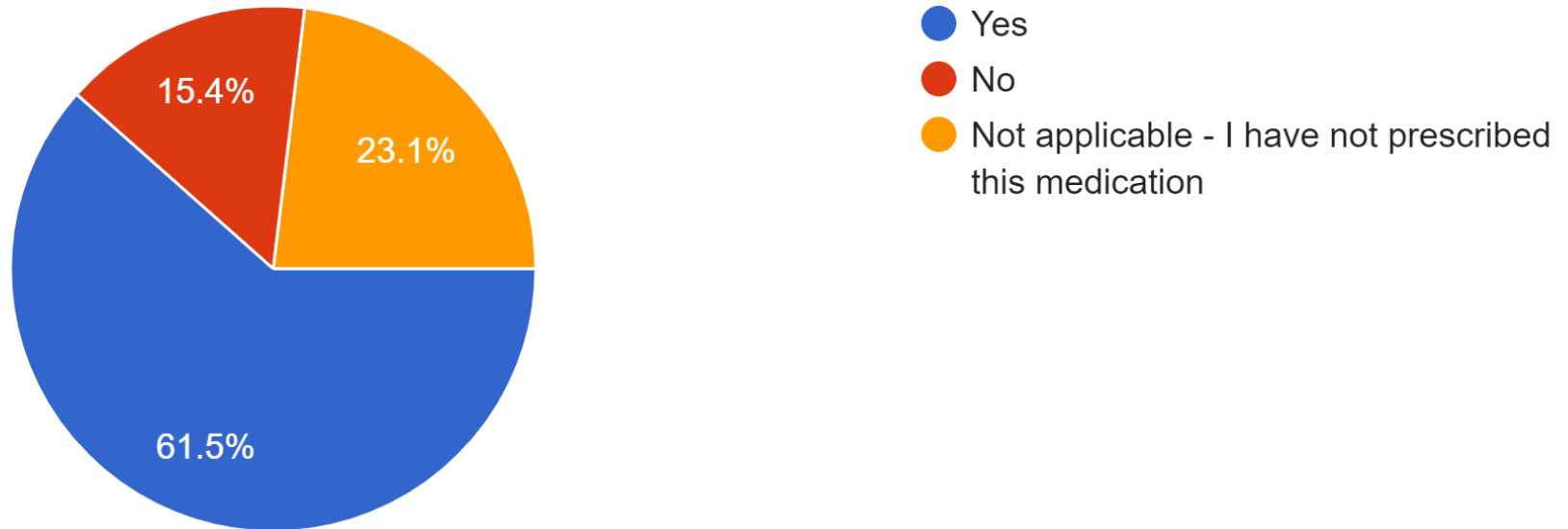
13 responses



Q1: Epic BPA for Diamox prescribing

Was it clear why the alert was being presented?

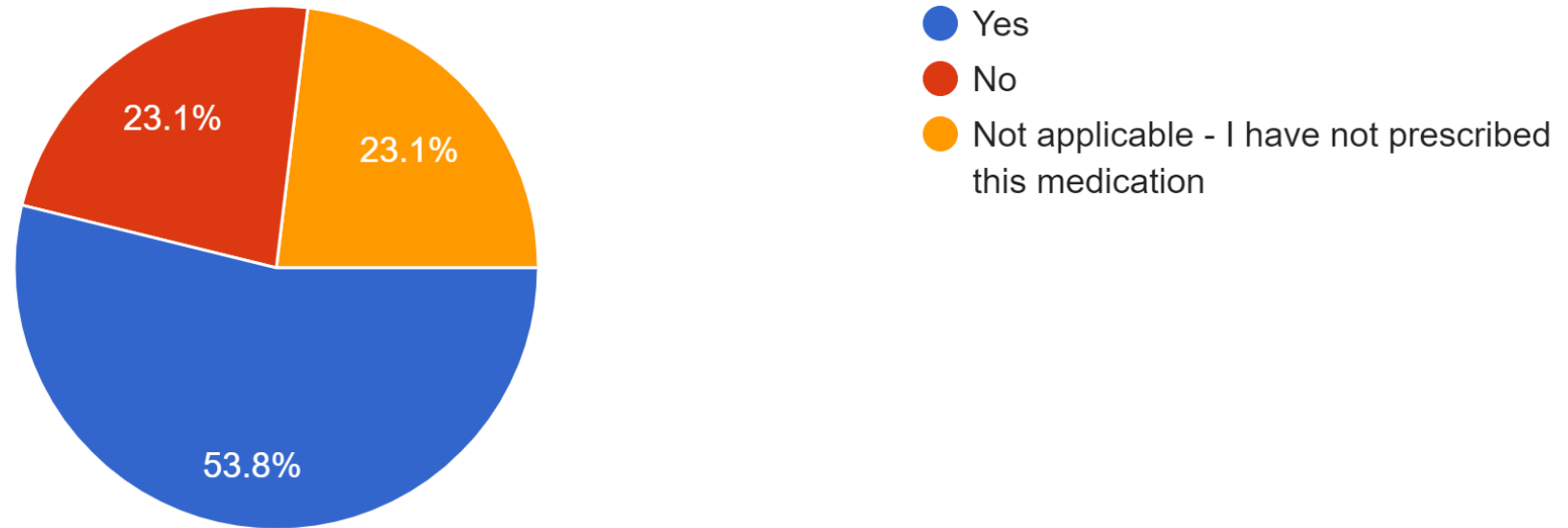
13 responses



QI: Epic BPA for Diamox prescribing

Was the alert relevant for your patient?

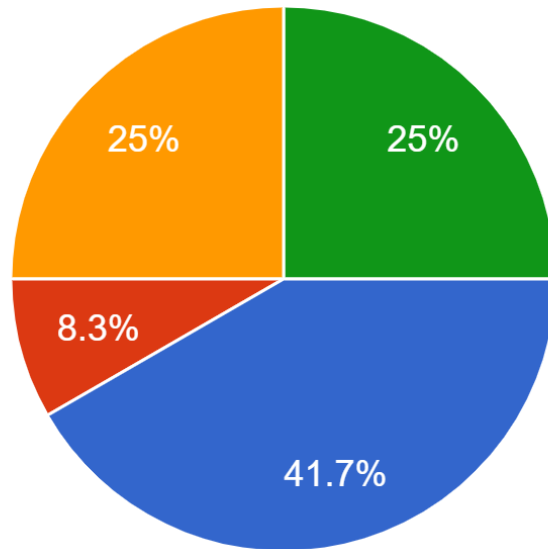
13 responses



QI: Epic BPA for Diamox prescribing

Did the alert change your behavior?

12 responses

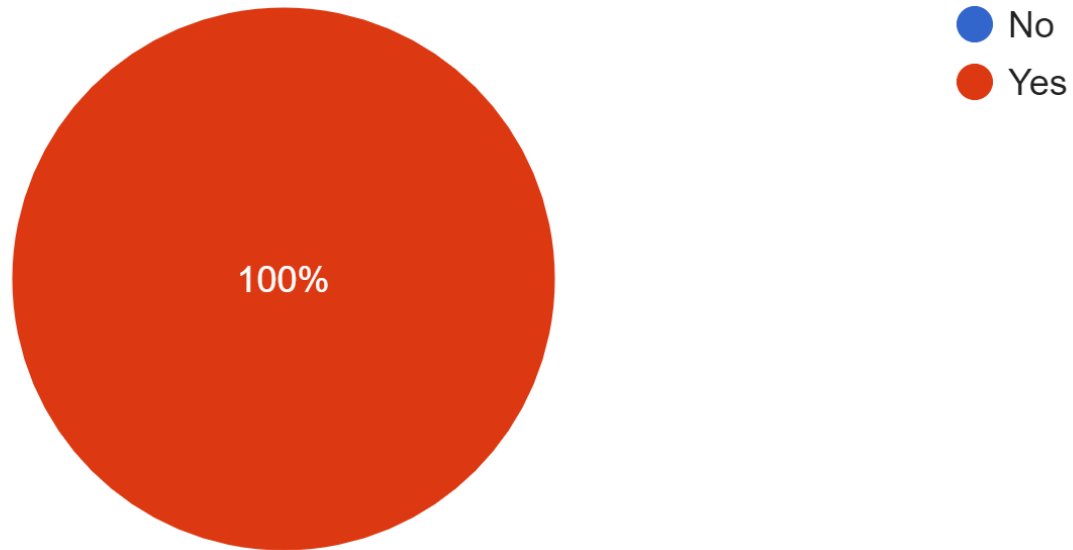


- YES - Held order to review chart first
- NO - Signed order but reviewed chart afterward
- NO- Signed order, acknowledged alert, moved on
- Not applicable - I have not prescribed this medication

Q1: Epic BPA for Diamox prescribing

If the alert had an option to order BUN/Cr, would you use it?

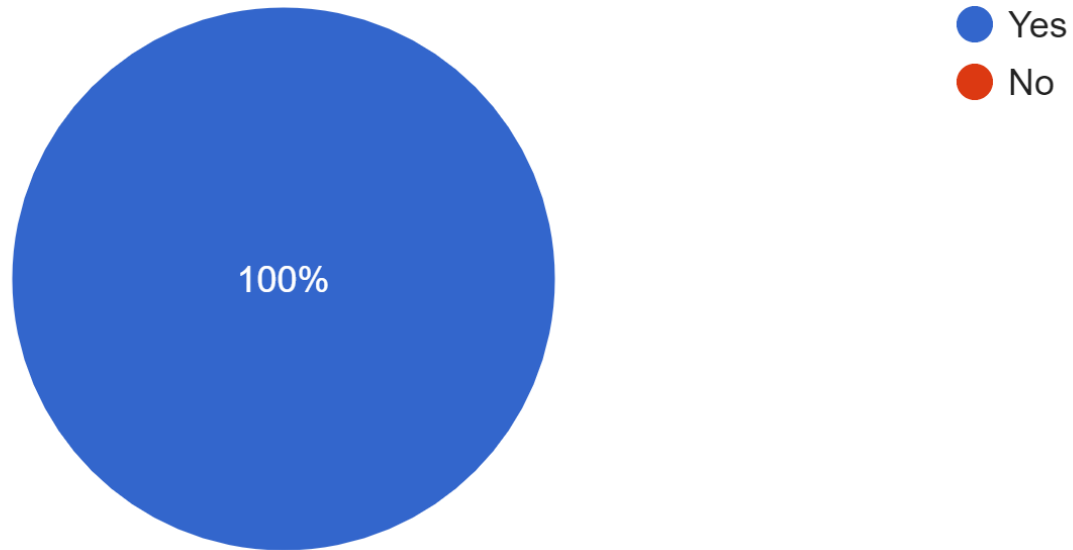
13 responses



Q1: Epic BPA for Diamox prescribing

Should we keep the acetazolamide (Diamox) prescribing alert?

16 responses



Qi: epic BPA – next steps

- Modify alert: add 1-click for lab ordering
- Modify reasons for acknowledging alert
- Add option to pend order to allow to review chart
- Gather additional data after modifications

Questions?

Dr. E.R. and Edna Wattis Dumke Clinical Pavilion

JOHN A. MORAN EYE CENTER

Waggs Research Pavilion