

August 27, 2025

To: All Greater Peoria Service Area Carle Health Facilities  
Carle Health Methodist Outreach Clients

From: Carle Health: Peoria Service Area Laboratories

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**INFORM: Updated Reference Intervals for Sodium, Calcium, and Total Protein – Effective 9/1/2025**

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**ACTION:**

Please Review the information below regarding changes impacting chemistry testing reference ranges. Changes impact all Carle West Region locations and will be implemented on **September 1, 2025**.

**INFORMATION:**

Effective **12:00 AM CST on September 1, 2025**, updated reference intervals for **Sodium, Calcium, and Total Protein** will be implemented across all three campuses (**Methodist, Proctor, and Pekin**) for **serum/plasma chemistry testing**. Providers should review these changes and adjust interpretation of results accordingly.

New Reference Intervals (effective 9/1/2025):

- **Sodium: 134–145 mmol/L** (previously 136–145 mmol/L)
- **Total Protein: 6.2–8.1 g/dL** (previously 6.6–8.7 g/dL)
- **Calcium ( $\geq 12$  years): 8.6–10.2 mg/dL** (previously age-based ranges)
- **Calcium ( $< 12$  years): No change**

0–10 days	7.6–10.4 mg/dL
10 Days–2 years	9.0–11.0 mg/dL
2–12 years	8.8–10.8 mg/dL

**BACKGROUND:**

These updates are based on a local reference interval study conducted after provider feedback regarding low-flag results in otherwise healthy patients. The revised intervals better reflect our normal patient population and align with clinical expectations.

If you have any questions, please contact us:

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**Pekin Campus Care Team**  
309-353-0737

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309-691-1060

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