

MEDICAL REPORT

Patient Name: Alex Rivera

Age: 13 years

Date: November 10, 2025

Hospital: Sunshine Children's Clinic

1. COMPLETE BLOOD COUNT (CBC) + BASIC METABOLIC PANEL

Hemoglobin 11.2 g/dL (Normal for age: 11.5 – 15.5) ↓

Hematocrit 34% (Normal: 36 – 46%) ↓

Red Blood Cells 4.1 million (Normal: 4.5 – 5.3) ↓

White Blood Cells $10.8 \times 10^3/\mu\text{L}$ (Normal: 4.5 – 13.5)

Platelets $340 \times 10^3/\mu\text{L}$ (Normal: 150 – 450)

Glucose (fasting) 88 mg/dL (Normal: 70 – 99)

Iron 35 µg/dL (Normal: 50 – 120) ↓

Ferritin 12 ng/mL (Normal: 24 – 336) ↓

Vitamin D 18 ng/mL (Normal: >30) ↓

2. CHEST X-RAY (performed because of 3-week cough)

Impression:

- Mild patchy shadows in both lower lungs
- No pneumonia
- Slightly enlarged lymph nodes in the central chest area

Clinical notes:

Alex has been more tired than usual, pale skin, and a cough that won't go away.

He is otherwise active and growing normally.

Doctor's summary:

Most values are good. The lower red blood count and very low iron stores explain why Alex has been tired and pale — this is called iron-deficiency anemia and is very common and fixable in kids.

The chest X-ray shows the lungs are mostly look okay, but there are some spots and slightly bigger lymph nodes that we want to check again in 4–6 weeks to make sure everything is calming down on its own.

Plan:

Start liquid iron supplement + vitamin C daily, repeat blood tests in 8 weeks, follow-up X-ray in 6 weeks.