



TeleSpecialists
TRANSFORMATIVE TELEMEDICINE

Case Study



CHRISTUS Southeast Texas Jasper Memorial

About CHRISTUS Jasper

CHRISTUS Southeast Texas Jasper Memorial is a 59-bed hospital serving Rural East Texas residents. Located approximately 65 miles north of Beaumont and 60 miles south of Lufkin, Jasper Memorial is a general medical/surgical hospital with medical imaging, laboratory, and outpatient services.

The Challenge

Over the past few years, Jasper has experienced an upward trend in stroke volumes. In 2023, a performance improvement review identified delays in activating stroke alerts for triage/walk-in patients, with only 50% of alerts activated within 10 minutes of arrival. In the same timeframe, Jasper's door-to-the-needle (DTN) time for thrombolytic candidates averaged just over 57 minutes, with a median time closer to 46 minutes.

The Solution

Key strategies were implemented, including educating non-clinical staff on the BEFAST screening tool, immediate RN notification if a patient presents BEFAST+ with a simultaneous stroke alert activation and specific follow-up on outliers.

The Outcome

As of August 2024, CHRISTUS Jasper has had a 54% improvement in door-to-activation times. There has also been a 22% increase in patients with stroke symptoms arriving via triage/walk-in and having a stroke alert activated within 10 minutes of arrival. As a result of improving DTN activation, Jasper has improved the DTN average by 45%. In August 2024, Jasper set a facility record by administering thrombolytic within 20 minutes of a patient's arrival.

2023 Metrics

- Total Stroke Alerts: 183
- PV Activation < 10 min: 50%
- Total thrombolytic Cases: 8
- DTN avg.: 57.01
- DTN med.: 46.13
- DTN < 30 minutes: 0%
- DTN <45 minutes: 50%
- DTN <60 minutes: 75%

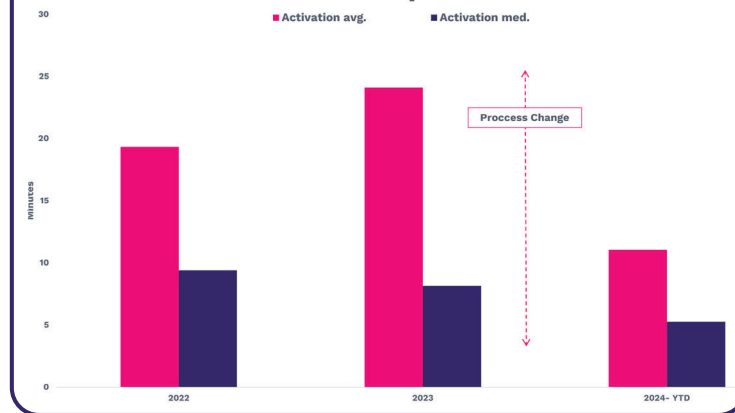
2024 Metrics 01/01-08/31

- Total Stroke Alerts: 274
- PV Activation < 10 min: 72%
- Total thrombolytic Cases: 14
- DTN avg.: 31:33
- DTN med.: 26:50
- DTN <30 minutes: 58%
- DTN <45 minutes: 83%
- DTN <60 minutes: 100%

The Takeaways

- ✓ CHRISTUS Jasper partnered with TeleSpecialists to implement key strategies to improve their stroke program.
- ✓ Year to date, CHRISTUS Jasper has improved thrombolytic administration in under 30 minutes by 58%.
- ✓ CHRISTUS Jasper is providing state-of-the-art stroke care to an underserved community through quicker stroke recognition and reduced door-to-needle times.

CHRISTUS Jasper Activation



CHRISTUS Jasper Door-to-Needle

