

Cultures Resulting After Discharge

Community Hospital, McCook, NE



Background

- Community Hospital is a 25-bed Critical Access Hospital
- Due to the time required for cultures to grow, there are a significant number of bacterial cultures that result after patient discharge.
- Historically, the responsibility for following up on these cultures that resulted after patient discharge had been assigned to the ED provider(s) working the day the culture resulted.
- Audits revealed this was not a well controlled process with documented follow-up varying from 33% to 100% depending on the month, with the average < 75%

Aims

Reduce delays and ensure appropriate treatment related to cultures resulting after discharge from hospital.

Plan

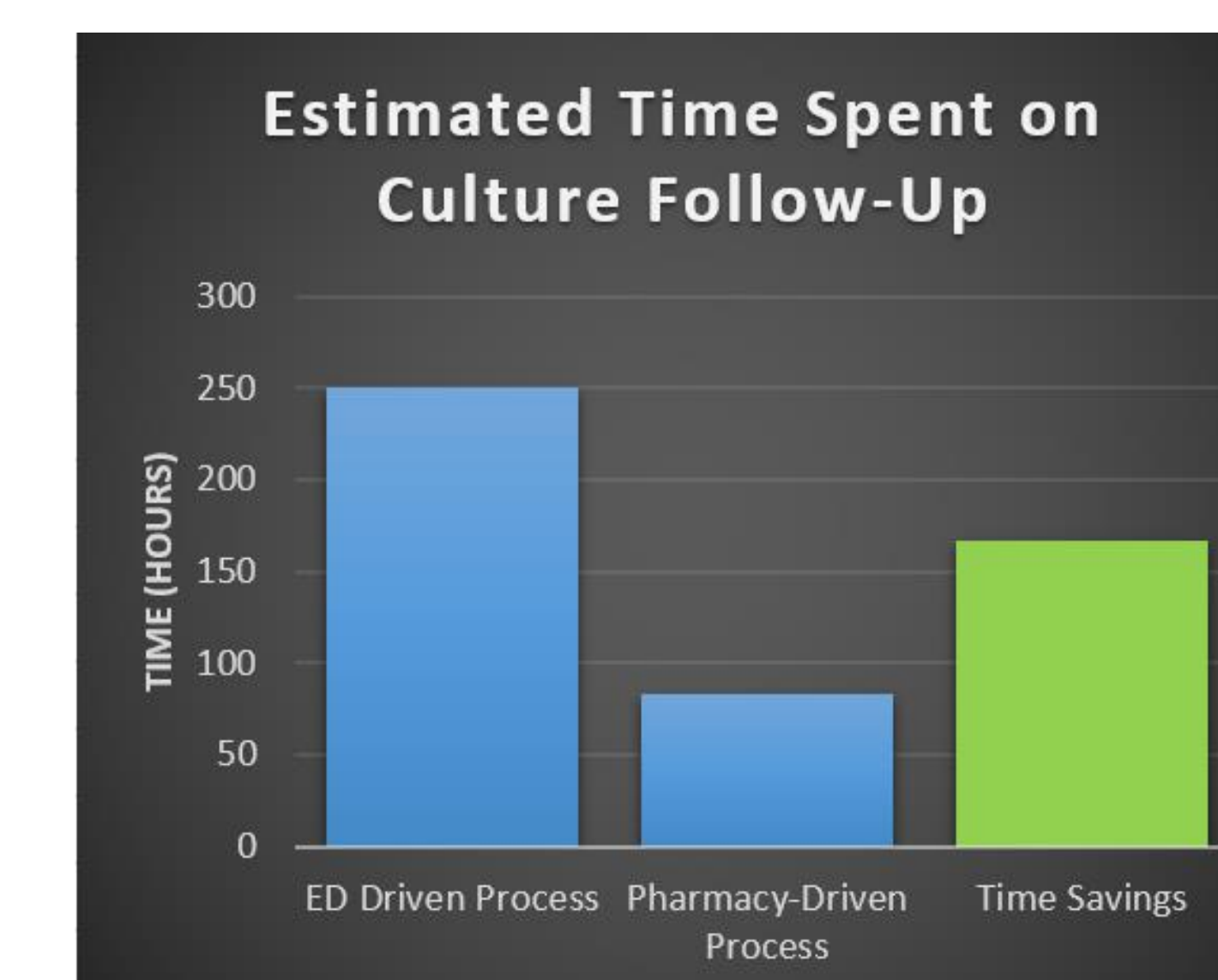
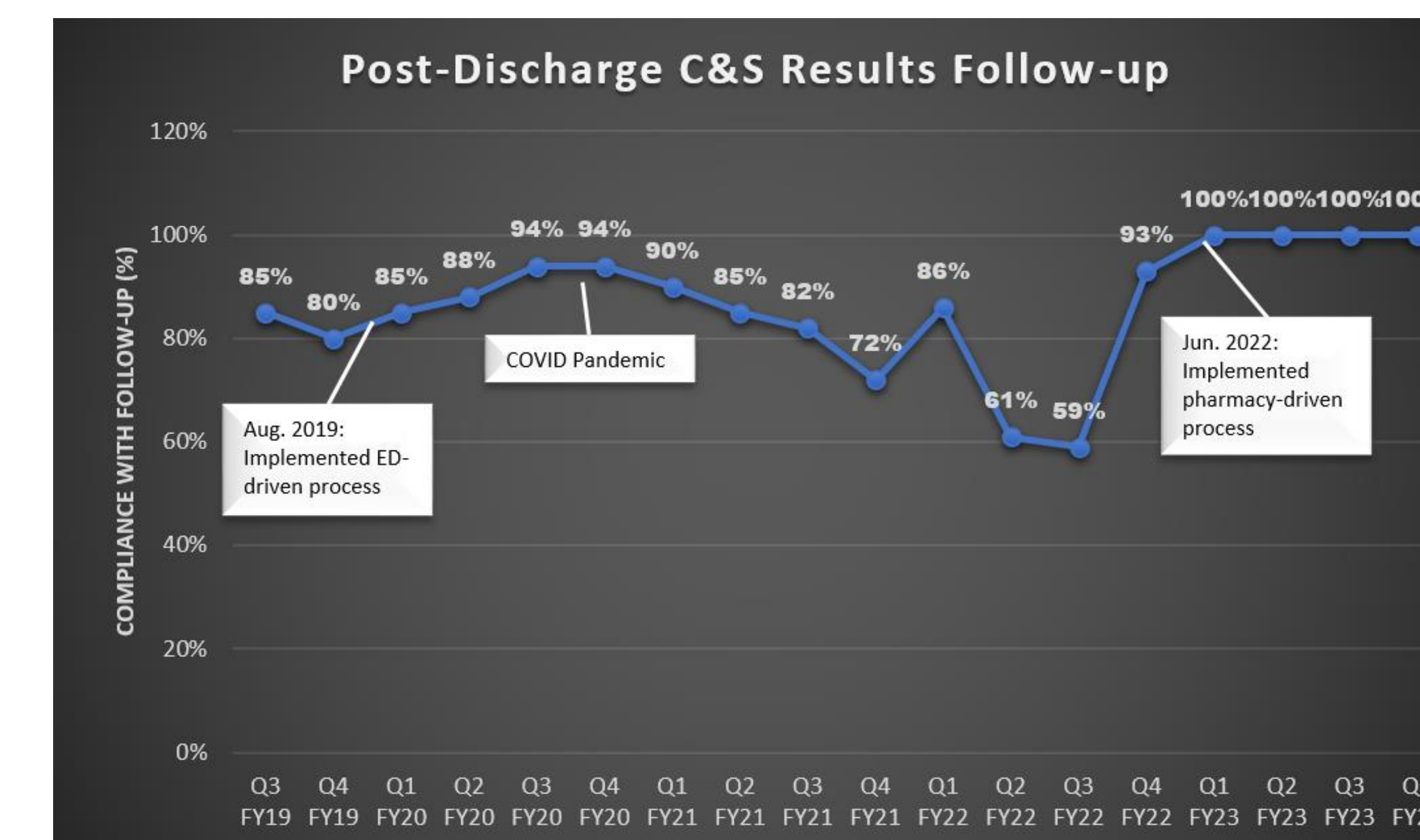
- Determined that, given the nature of the ED setting, it was unlikely that we would be able to achieve consistent follow-up with these results unless the process was entirely re-designed and responsibility was assigned elsewhere.
- It was decided that our CH pharmacists would take over the responsibility for assuring the ordering provider is notified of these results in a timely manner.
- Pharmacy worked with the IT team and with Senti7 support to make sure all culture results are routed to the pharmacy team for review.
- The pharmacist reviews the culture reports that drop into the Senti7 surveillance software and then notifies the ordering provider of the results along with appropriate antibiotic recommendations if warranted.
- The pharmacist then uses the Senti7 surveillance software for documenting this follow-up.
- New process went live in May of 2022 (Q4 FY22).

Measure

- **Numerator - # of culture and sensitivity reports that had documented follow-up completed.**
- **Denominator - # of final positive culture and sensitivity reports.**

Results

	Q3 FY22	Q4 FY22	Q1 FY23	Q2 FY23
Numerator	41	62	113	89
Denominator	70	67	113	89
% Compliance	59%	93%	100%	100%



Next Steps

- Continue to monitor compliance with documented follow-ups for all culture and sensitivity reports that finalized and report this out on the pharmacy QA dashboard.
- Provide feedback accordingly if goal of 100% isn't met.

Team

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