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THE NEED

Renal transplant centers regularly screen and provide empiric treatment for asymptomatic bacteriuria in renal transplant patients **UNNECESSARILY**

Choosing Wisely campaign regards asymptomatic bacteriuria treatment as a major contributor to unnecessary antibiotic use

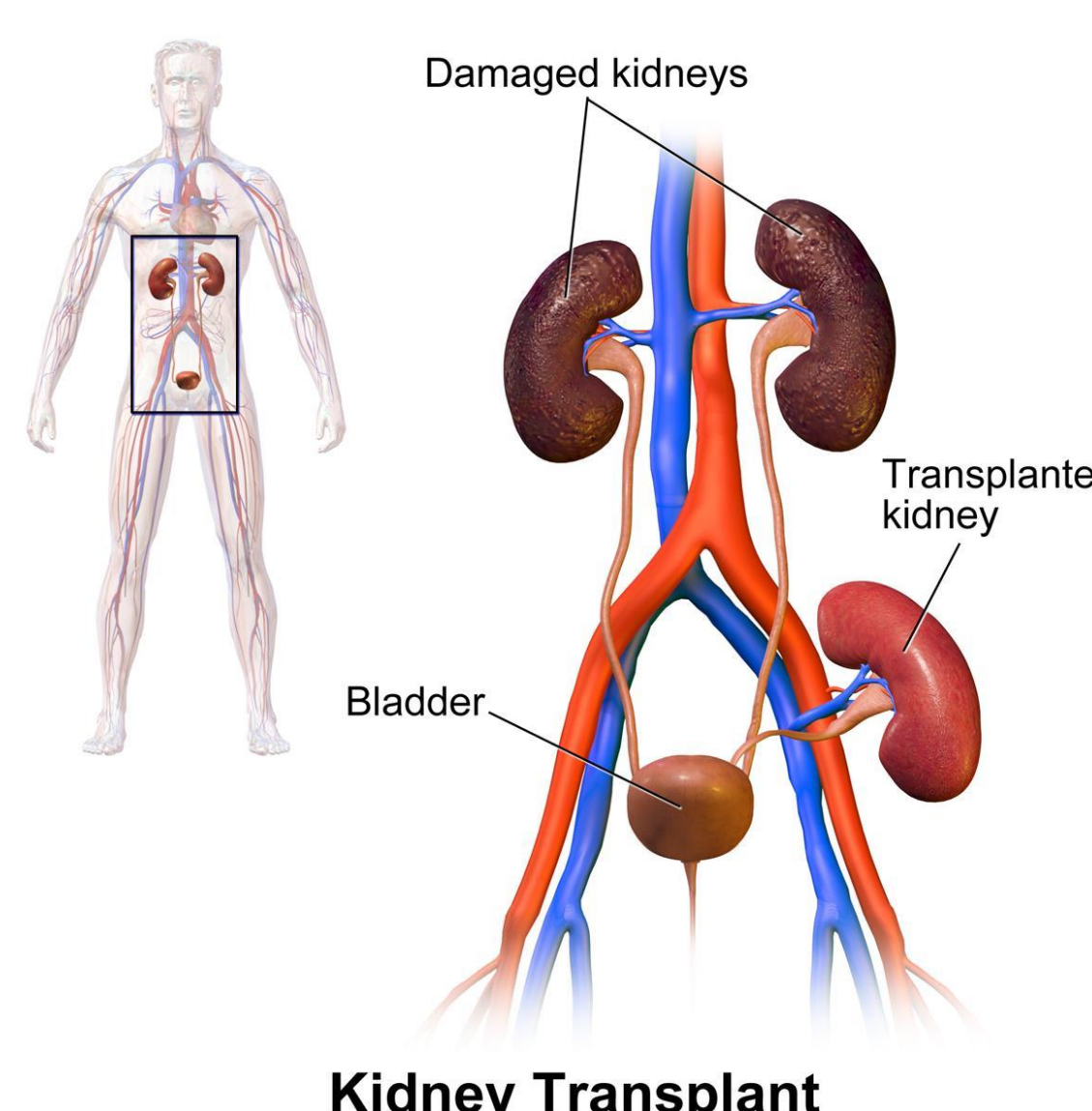
POTENTIAL COMPLICATIONS include:

- Antibiotic overuse
- Potential for patient harm
- Lack of patient centeredness



PLANNING

- 679 out of 910 patients performed monthly urine cultures
- 62 patients had positive urine cultures
- 15 positive cultures (24%) resulted in treatment WITHOUT SYMPTOMS



Methods

Lag Measure: Percentage of chronic renal transplant patients with asymptomatic bacteriuria receiving treatment measured monthly

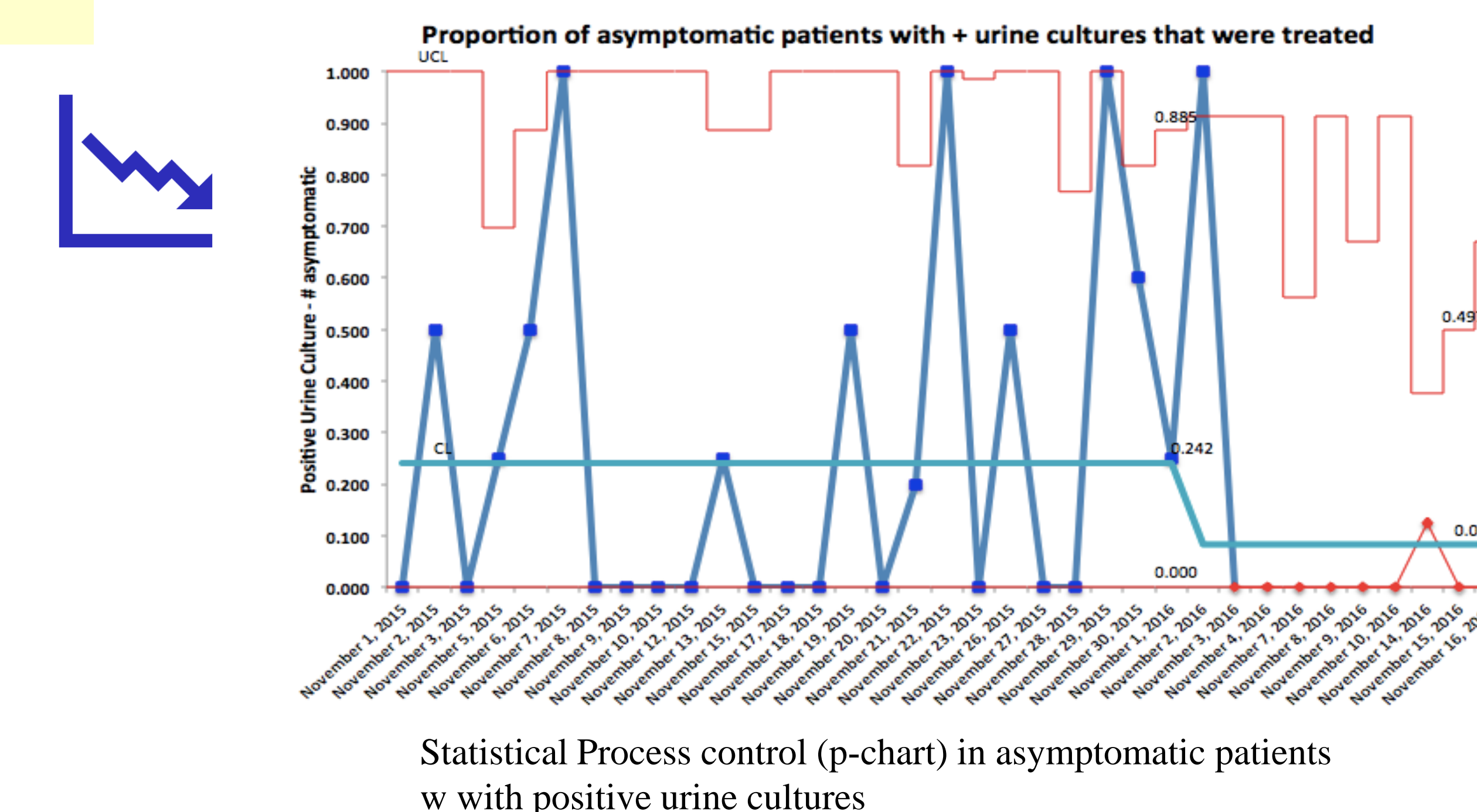


Lead Measure

Percentage of:

- Staff attendance at Introductory Multidisciplinary Education Session
- Symptom Checklist completion
- Patients contacted by telephone

RESULTS



AIMS

Primary Objective:

To **reduce** antimicrobial treatment of **asymptomatic bacteriuria** in chronic (>3 months) post-renal transplant patients in Southern Alberta by 10% by 6 months

THE PROCESS

The Checklist

Clinical features that would likely require treatment when + urine culture reported:

- Fever
- Chills
- Flank pain
- Allograft pain
- Dysuria
- New onset hematuria
- Urgency
- Frequency
- Suprapubic pain
- No urinary symptoms in 4 weeks prior to this episode
- Consider in unexplained rise in creatinine
- Other concerns:

IMPLICATIONS & FUTURE STUDIES

After Interventions:

- Rate of treatment reduced 3/28 or 11% REDUCTION
- Common cause variation reflected inconsistent physician practices
- Cadence of accountability is a concern
- Challenges for long-term sustainability
- Plan to discontinue ROUTINE urine cultures and perform only when patients are symptomatic



ACKNOWLEDGEMENTS

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METHODS

Voice of the Customer: Key Stakeholders:

