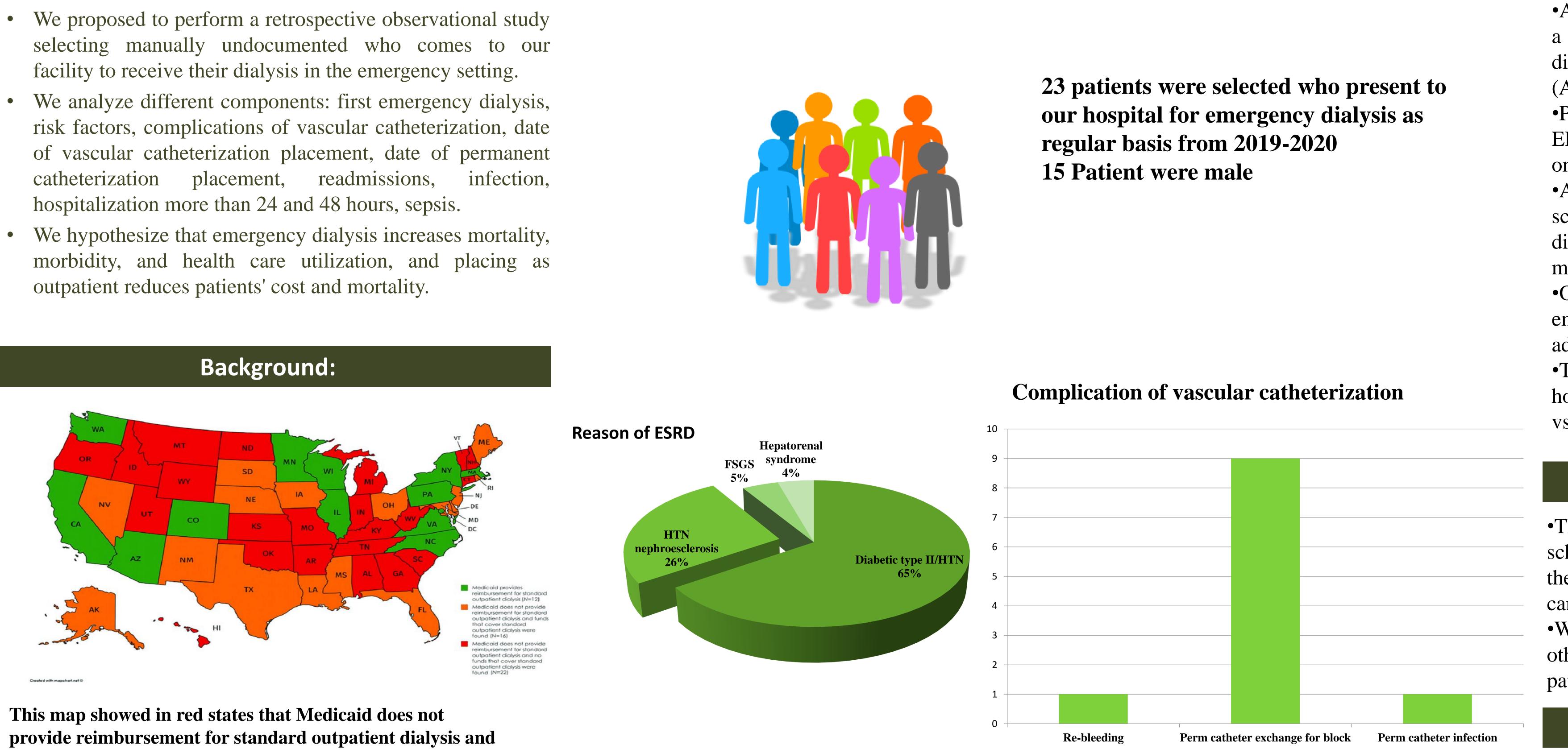


## Northeast Georgia Medical Center GRADUATE MEDICAL EDUCATION

#### **Objectives:**

- placement, readmissions, catheterization hospitalization more than 24 and 48 hours, sepsis.
- outpatient reduces patients' cost and mortality.



This map showed in red states that Medicaid does not no funds that cover standard outpatient dialysis

- Between 5,500 and 8,857 undocumented immigrants with kidney failure in the United States in 2019<sup>1</sup>
- Permanent residents and citizens of the United States with chronic renal failure typically qualify for coverage for dialysis and associated services through eligibility in Medicare or Medicaid.
- <u>Georgia is part of 22 states that Medicaid does not provide</u>  $\bullet$ reimbursement for dialysis to undocumented population.
- Due to fear of deportation and the costs associated with dialysis, most of the undocumented immigrants suffering from chronic renal failure do not regularly follow with nephrologists as is the standard of care.
- The city of Gainesville, Georgia has a population of 41,646, of which 42% are Hispanic. Portion of these individuals are undocumented immigrants who work in the factories within the  $city^2$

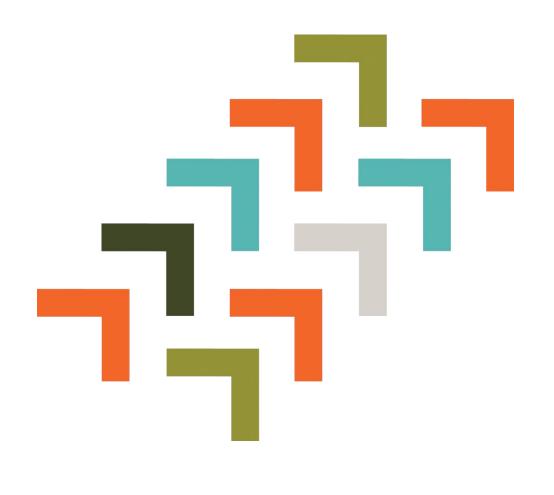
# Analysis of Health Care Utilization in Emergency dialysis versus scheduled dialysis at Northeast Georgia Health System

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# •The average rate of hospitalization among 23 patient was 6.7 admissions > 48 hours •The most common cause of admission was fluid overload, and the second most common cause was hospital acquired pneumonia •The average admission for dialysis was a total of 104 times over 2 years •Among 23 patient 1 patient died for sepsis We compare with the National Kidney Registry for ESRD:<sup>3</sup> •Admission rate >48 hours for 2 years was an average of 3 admission •The most common cause was cardiac disease (14%) and peritonitis (8%) •Most of the patient in schedule dialysis transitioned was started on AV fistula or PD dialysis

#### Study and results"

23 patients were selected who present to our hospital for emergency dialysis as			• (
regular basis from 15 Patient were ma			F C S C T
omplication of vascu	lar cath	eterization	e 2 • 1



#### Discussion

According to study by Nguyn, et al., there was significant reduction of mortality in schedule dialysis compare with emergency dialysis Absolute risk reduction of 14%)<sup>4</sup>

Patient on schedule dialysis had <6 visits to the ED per months compare to >10 in emergencyonly hemodialysis

Adjusted costs were significantly lower with scheduled hemodialysis vs emergency-only lialysis (\$4,316 vs. +\$ 1,452 per person per nonth; differences, -\$5,768)<sup>4</sup>

Our preliminary data shows that the patient on emergency dialysis (ED) has almost 90% higher dmission than scheduled dialysis

The ED dialysis patient has different cause of nospitalization for more 48 hours: fluid overload vs cardiac disease.

### **Future directions**

The same patients were recently transitioned to chedule dialysis. We are planning to compare ne same reference and add the cost of the health care utilization.

•We will extend possible collaboration with other hospitals to increase the number of patients to our study

### Limitations

•The sample of our study was very low, only 23. The reason is that it is very hard to identify which patients are on ED dialysis •The data was gathering manually for our team, this can promote some human errors •This is a preliminary data of our project

### References

Cervantes, L., Mundo, W., & Powe, N. R. (2019). The status of provision of standard outpatient dialysis for US undocumented immigrants with ESKD. Clinical Journal of the American Society of Nephrology, 14(8), 1258-1260. 2. <u>https://datausa.io/profile/geo/gainesville-ga/</u> https://www.usrds.org/esrd-quarterly-update/ Berger, J. R., Quinones, H., & Vazquez, M. A. (2020). Dialysis for undocumented immigrants: challenges and solutions. Kidney360, 1(6), 549-552. Nguyen, O. K., Vazquez, M. A., Charles, L., Berger, J. R., Quiñones, H., Fuquay, R., ... & Makam, A. N. (2019). Association of scheduled vs emergency-only dialysis with health outcomes and costs in undocumented immigrants with end-stage renal disease. JAMA internal medicine, 179(2), 175-183.