

***NCMM Webinar***

***Study of Paratransit Services for Dialysis***

**May 1, 2014**

**Sue Knapp**

**KFH Group**

# Purpose

- ❖ Maryland General Assembly – Joint Committee
- ❖ Legislative Report J00H01.01
- ❖ MTA conduct a study to estimate:
  - Demand for paratransit to dialysis centers
  - Funding required for transit systems to meet that demand

# Research Questions

## ❖ Current Situation

- Number of Dialysis Patients
- Number of Trips to Dialysis Centers
- How many of these trips are on public paratransit
- Cost of current public transit trips
- How many trips are public transit agencies unable to provide? What is the cost?

## ❖ Future Needs

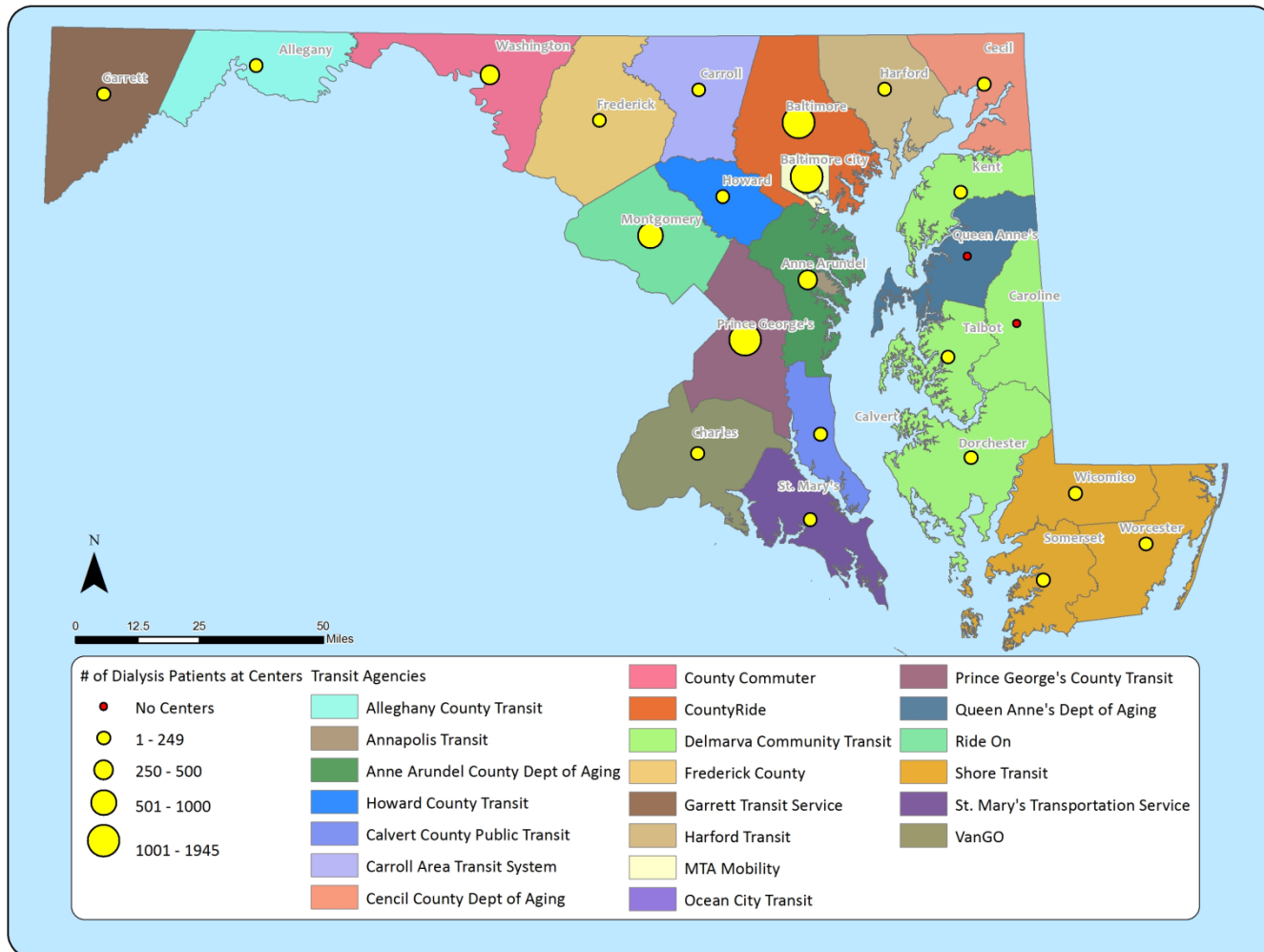
- Future number of dialysis patients
- How many new trips will be needed based on increases in dialysis patients?
- What is the cost if the current mode remains the same
- What is the cost if public transit were to fill all the gaps?

## Current Situation – Number of Patients

- ❖ 8,800 Marylanders have End Stage Renal Disease (ESRD) - could require dialysis treatments
- ❖ 8,300 receive dialysis at one of the dialysis centers in the state
- ❖ 114 dialysis centers identified but increasing – one in each jurisdiction except Queen Anne's and Caroline

# Dialysis Patients and Centers

Dialysis Patients, by Jurisdiction, in Maryland

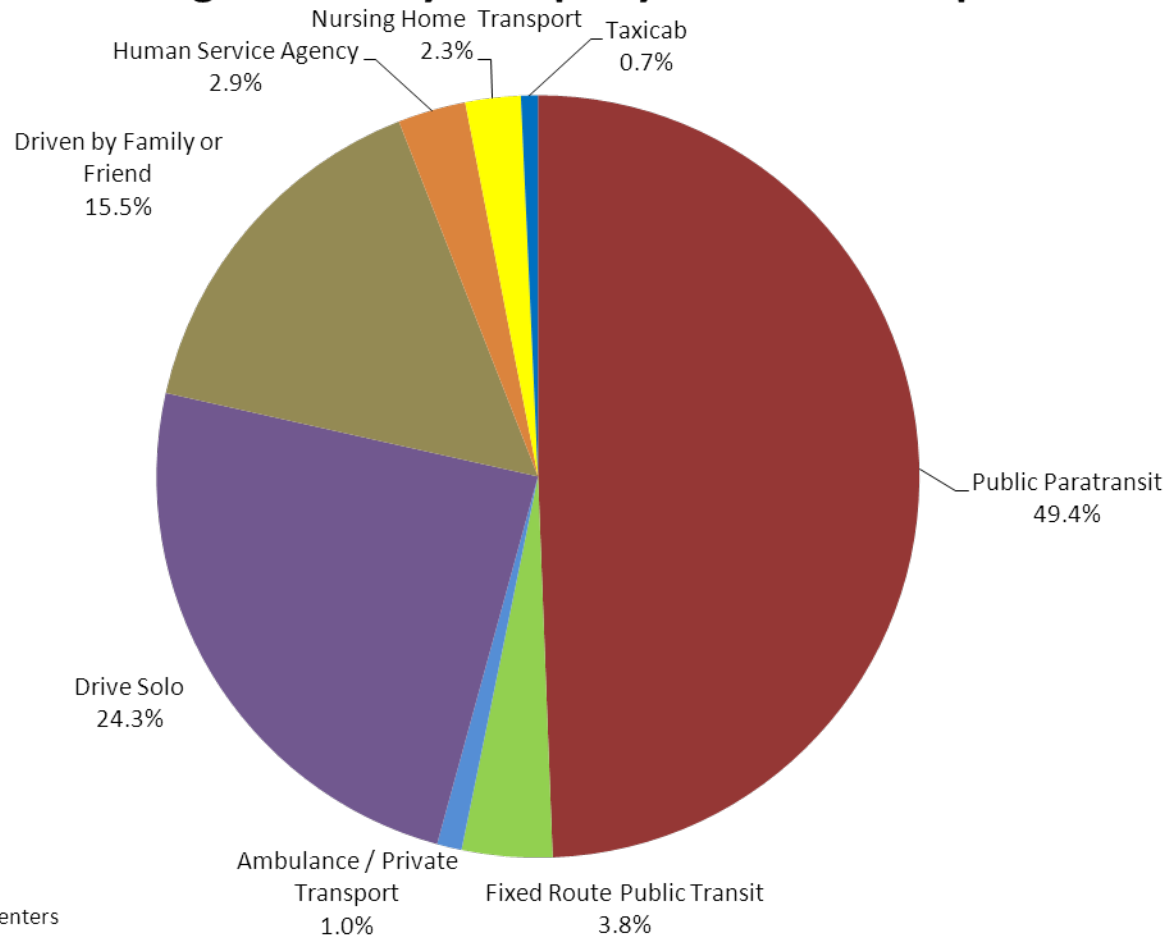


# Current Situation – Number of Trips

- ❖ Currently there are 2.6 million trips annually to dialysis centers
- ❖ About half – 1.3 million annual trips – are provided on paratransit
- ❖ Public paratransit operators
  - Public paratransit currently provides 443,000 of these trips – the rest are provided by other human service transportation (Medicaid, other programs)
  - Public transit paratransit is unable to provide about 75,000 trips - have to deny because of capacity constraints or trips are infeasible due to service characteristics

# Dialysis Trips by Mode

**Figure 4: Dialysis Trips by Mode of Transportation**



Source: Dialysis Centers

## Current Situation – Cost

- ❖ Estimated annual cost of public transit paratransit trips to dialysis centers is \$19M (2013 dollars)
- ❖ Additional \$2.1 million needed to meet demand for unmet trip needs (increase from \$19M to \$21M annually)



## Future Needs – Patients/Trips

- ❖ Dialysis patients increasing at a rate of 3-4% annually
- ❖ Number of patients travelling to dialysis centers is estimated to increase from 8,300 to 10,600 by 2020
- ❖ This would add 718,000 new dialysis trips
  - If public transit captures the same mode-share, this would result in 145,000 new public transit trips
  - If public transit needs to fill in all new paratransit trips, this would result in 352,000 new trips

## Future Needs – 2020 Cost\*

- ❖ Cost for public paratransit is dependent on other human service programs that provide/fund paratransit
- ❖ If public transit captures the same mode-share, \$27M would be needed annually (an \$8M increase)
  - \$19M annual current cost
  - \$2M annually for unmet demand
  - \$6M annually for additional patients
- ❖ If public transit needs to fill in for other programs and provide all new paratransit trips, \$35M would be needed annually (a \$14M increase)

*\*All cost estimates are in 2013 dollars*