



URBAN MINISTRIES
OF DURHAM

Logo from UMD website

UMD Data Analysis

Clients and Duration of Assistance

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What data to focus on?



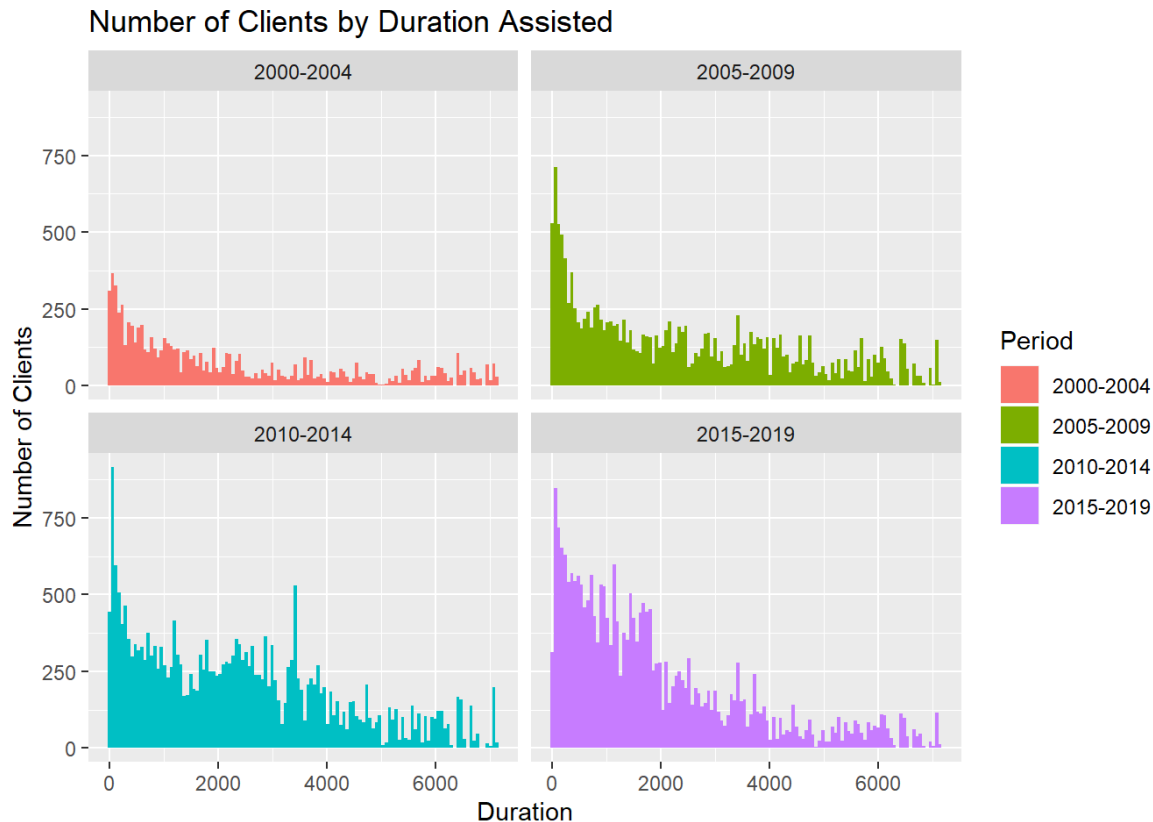
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- **People-centered** - analysis based at client level
 - Database used – UMD tsv file – tracked clients by unique file number
- **Time scales** - for how long are people being helped?
 - Restricted to years 2000-2019
 - Assistance duration = time from first visit to last visit
 - Frequency of visits
- **Patterns** - what similarities and differences can we notice?
 - Compare time periods
 - Single-visit vs. repeat-visit clients
 - Stratify by assistance duration

How long do clients receive assistance for?



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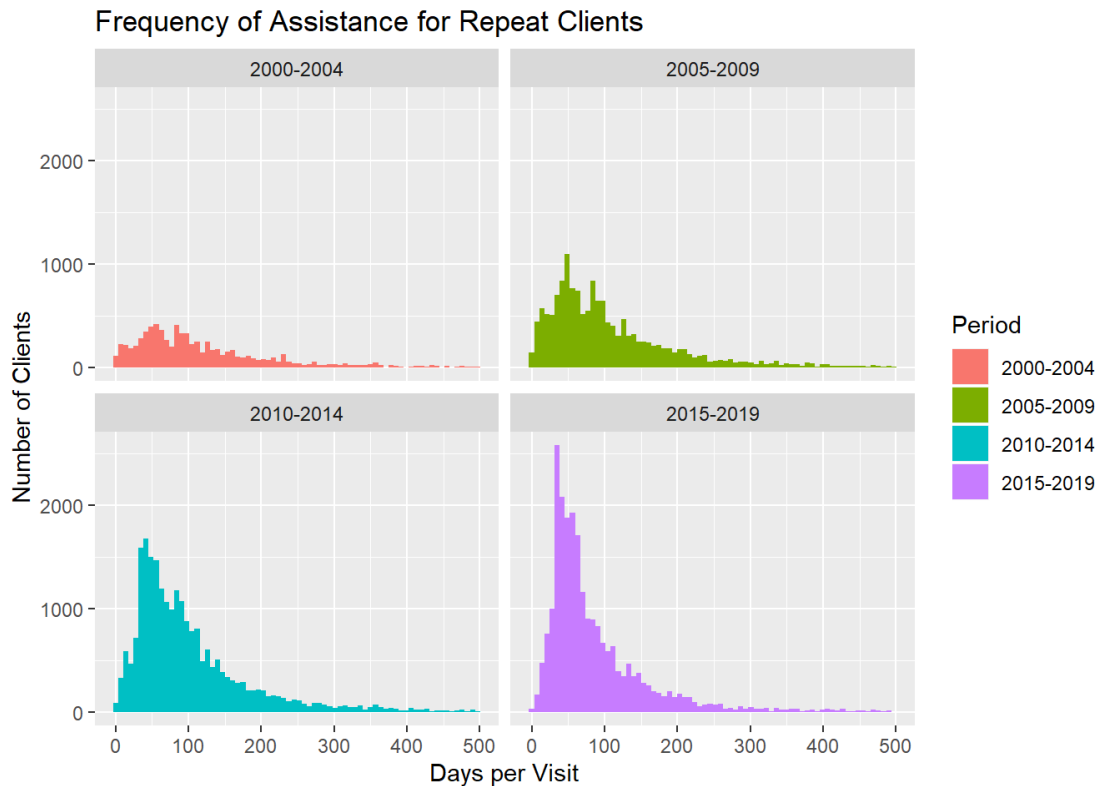


- Big spike around 0
- Exponential decrease, but not smooth
- Overall client numbers increasing

Repeat visits: Frequency



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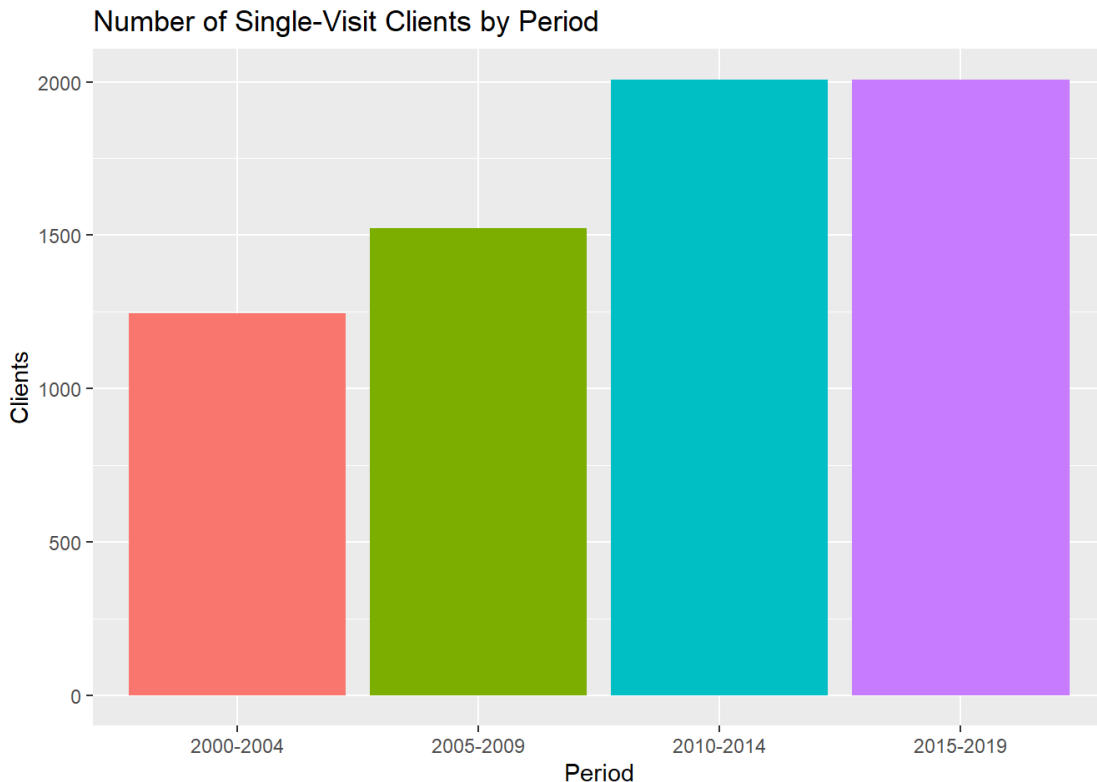


- Majority between 1-3 months (~30-90 days)
- Frequent assistance increased over time
- Infrequent assistance slightly decreased over time

Single visits: Number of clients



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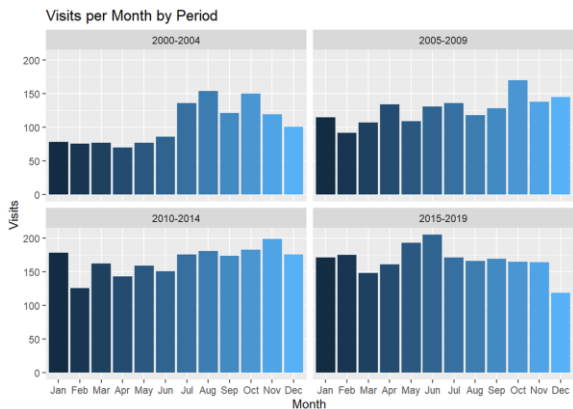
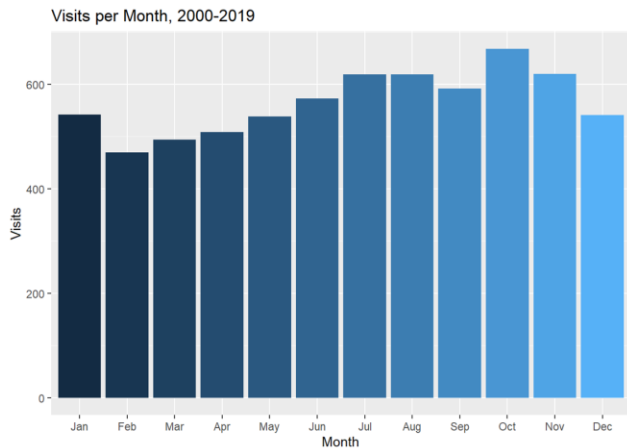
- Increased from periods 1-3
- Steady over periods 3-4

Single visits:

Visits per month



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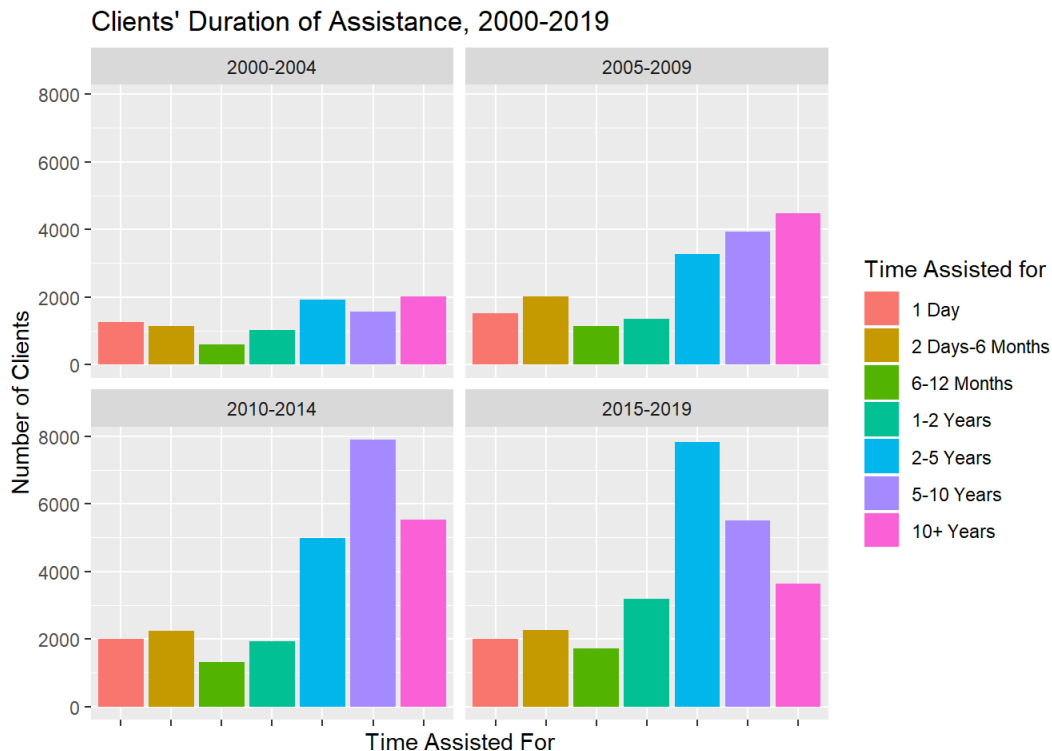


- Difficult to see strong, consistent patterns
- Summer consistently high
- Spring consistently low

Duration of Assistance: Stratification



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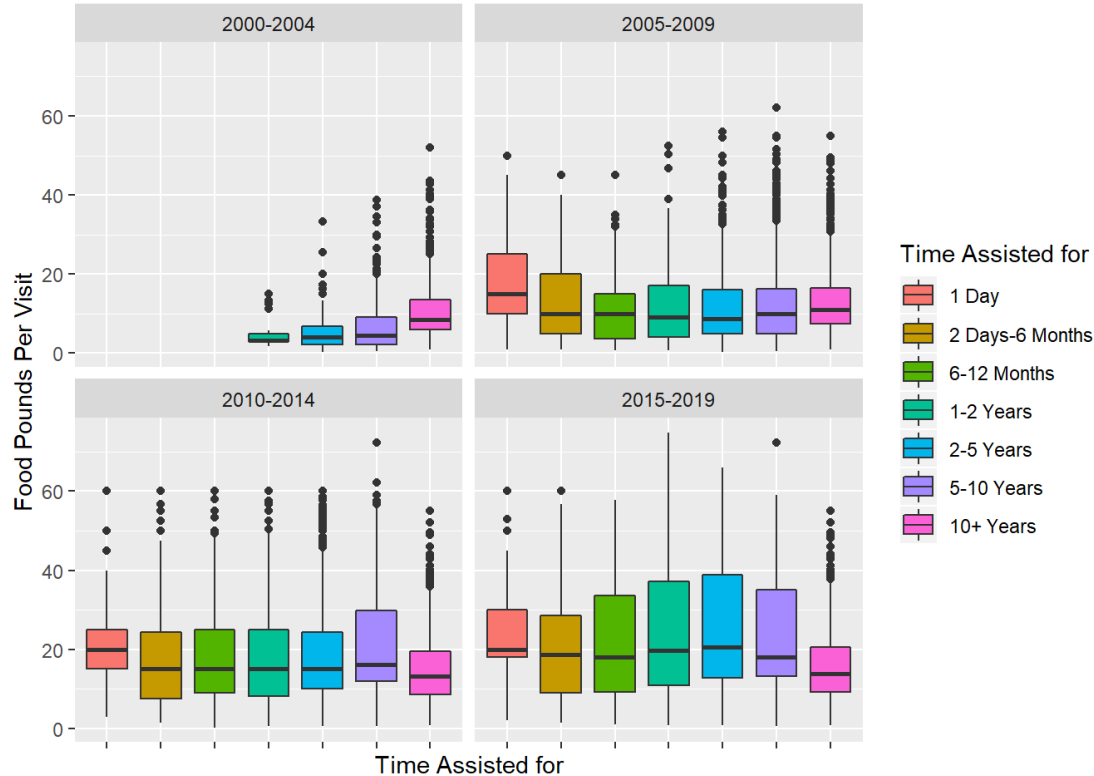


- 2-5, 5-10, 10+ groups grew considerably
- Roughly equal numbers in 1 Day and 2 Days-6 Months groups
- Final period saw 2-5 jump, 5-10 and 10+ drop

Food pounds per visit by Assistance duration



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- Differences between duration groups not extreme
- Slightly higher food amounts for 1 Day group
- More varied over time

Conclusions



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- Different strata of clients worth analyzing further
 - Single-visit clients
 - Short-term clients
 - Extra long-term clients
- Next step would be to check in with UMD
 - Receive feedback on progress so far
 - Determine what directions they would like to continue in further