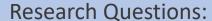


## Analyzing tree damage from August 2020 Derecho storm in Chicago By Annalise Nordgren





- L) Can virtual imagery be used to detect obvious tree defects that may lead to storm failure?
- 2) Can virtual imagery help with high-level maintenance prioritization to minimize tree loss?
- 3) What species and size of trees were lost in Northern neighborhoods of Chicago during Derecho storm?

## On-the-ground Field Survey (n=840):

- Nov. 12<sup>th</sup> Dec. 22<sup>nd</sup>
- 16 total transects (7 EW, 9 NS)
- Record visible structural and biological defects & storm damage

## Street-level virtual Survey:

- Feb. 12<sup>th</sup> Present
- Treetective inventory tool

