Urban Tree Health Monitoring
North America Cities Network
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CITIES NETWORK: EQUITABLE, TRANSPARENT

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Urban Tree Health Monitoring: Update
Healthy Trees, Healthy Cities App

- **Tree Care**
  Nurture and care for your tree by watering, mulching, weeding, staking and creating tree beds

- **Pruning**
  Keep trees healthy and strong with hygienic and structural pruning

- **Health Check**
  Ensure your tree lives a long, healthy life with regular check ups

- **Pest Detection**
  Protect your community's trees by reporting signs of pests/diseases

- **Add A Tree**
  Whether you are planting or adopting, add a tree for easier record keeping

- **Add A Photo**

Download on the
App Store

Android App on
Google Play
2014
• Funding from NISC and partnership with Davey Tree Expert Company
• 1 crew
• 1 city: NYC

2015
• Funding from USFS and corporate sponsorship
• 5 crews
• 2 cities: NYC, Philadelphia
• HTHC Smart Phone App First Used

2016
• Funding from USFS and corporate sponsorship
• 2 cities: NYC, Washington, DC
• 3 crews
• External Partners – Casey Trees in DC, Chicago Parks District

2017
• Funding from USFS and corporate sponsorship
• 3 cities: NYC, Washington, DC, Chicago
• External partners: Casey Trees, DC and Chicago Parks District

2018
• Funding from USFS and corporate sponsorship
• 9 cities
• External Partners: (Numerous)
## Service Areas/ Cities

<table>
<thead>
<tr>
<th>Since 2014</th>
<th>2018/19 Field Season</th>
</tr>
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<tbody>
<tr>
<td>Atlanta, GA</td>
<td>Albuquerque, NM</td>
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<tr>
<td>Boston, MA</td>
<td>Atlanta, GA</td>
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<tr>
<td>Chicago, IL</td>
<td>Chicago, IL</td>
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<td>Dallas, TX</td>
<td>Dallas, TX</td>
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<td>Louisville, KY</td>
<td>Denver, CO</td>
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<td>New York, NY</td>
<td>Las Vegas, NV</td>
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<td>Milwaukee, WI</td>
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<tr>
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<td>Watertown, MA</td>
<td>Wilmington, DE</td>
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<td>Wilmington, DE</td>
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</tbody>
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Tree Health Monitoring Efforts: Stats at a Glance

# of US Cities: 14
# of people trained: >700
# of trees evaluated: >18K
Funding received: $750K
...but how is the data being used?
How is the data being used?

RESEARCH PROJECTS

1. Research Project: Hurricane Sandy Post-Flooding assessment [Published]
2. Research Project: Urban Heat Island Impact Study in New York City
3. Research Project: Cues to care – correlation between stewardship and tree health
4. Research Project: Parking lot regulations’ impact on urban ecosystems, esp trees
5. Research Proposal: Remote Sensing Project with MIT, proposal to NASA
How is the data being used?

MANAGEMENT EFFORTS

1. NYC Parks Department – *Fraxinus spp.* assessment and response
2. NYC Parks Department – neighborhood-level management prioritization
3. City of Albuquerque – tracking tree health for maintenance prioritization
4. City of Albuquerque – Establishing cause for additional municipal resources
5. Codman Square Neighborhood, Boston – evaluating the health of trees for tree-planting prioritization
6. Imani Green Health Advocates in Chicago – Evaluating correlation between urban tree health and human health in Pullman Neighborhood, for health intervention
Over 3400 trees assessed.
Link to online map: [Hunts Point](#)
MyTree + HTHC App

Web-based, run in your browser

Healthy Trees Healthy Cities

Tree Care
Nurture and care for your tree by watering, mulching, weeding, staking and creating tree beds

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Health Check
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Add A Photo
1. What are the universal signs/symptoms to be included in MyTree?

2. Are the 13 most wanted insects/ diseases in the HTHC app still relevant?
QUESTIONS?

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