# Behavioral Design for Public Policy

Robbie, Amina, Nand (Team R.A.N.)

# **Chicago** has a living memory of the ramifications of extreme heat

It used to be an infrequent but disastrous visitor.

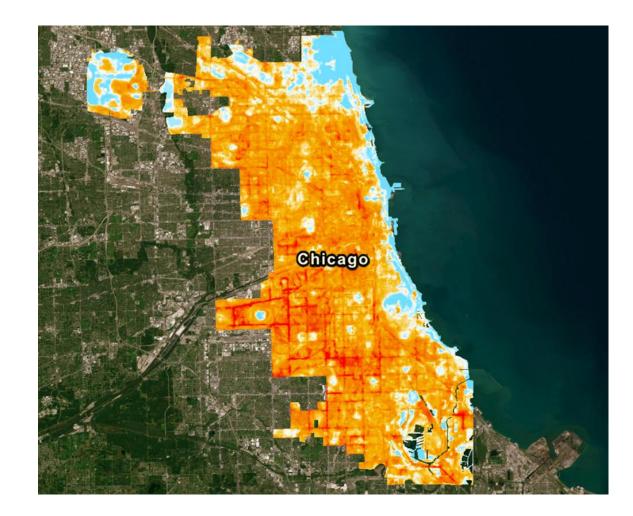
But now extreme heat is here to stay. It's the new neighbor on the block, and we aren't prepared to welcome it.

#### WEATHER Extreme heat to persist Tuesday in Chicago area with heat index values near 100 degrees

CBS NEWS By Asal Re

By Asal Rezaei, Lauren Victory, Albert Ramon, Kylee Miller, **Elyssa Kaufman**, Chrissy Amaya Updated on: August 27, 2024 / 12:24 PM CDT / CBS Chicago f 🐰 🖪

.cbsnews.com/chicago/news/excessive-heat-watch-in-effect-for-chicago-area-with-heat-index-values-



# Preparedness starts with vulnerable populations.

And vulnerability comes at a complex nexus of factors, with residents increasingly ill-equipped to cope with the realities they are facing. **The vulnerable are becoming even more vulnerable to heat.** 

#### **People (Networks)**

- Human + Cultural + Social Capital
- Disparity of social capital in neighborhoods
- Age, health, transience, etc.

#### **Politics (Power)**

- Political Capital + networks
- Trust and precedence in relationships
- Inconsistency in resource allocation

#### **Places (Environment)**

- Manufactured, Natural Capital
- heat resilience of buildings
- neighborhoods profiles

#### **Possibilities (Resources)**

- Financial Capital + Employment
- Agency, Locus of Control
- Resources and Knowledge



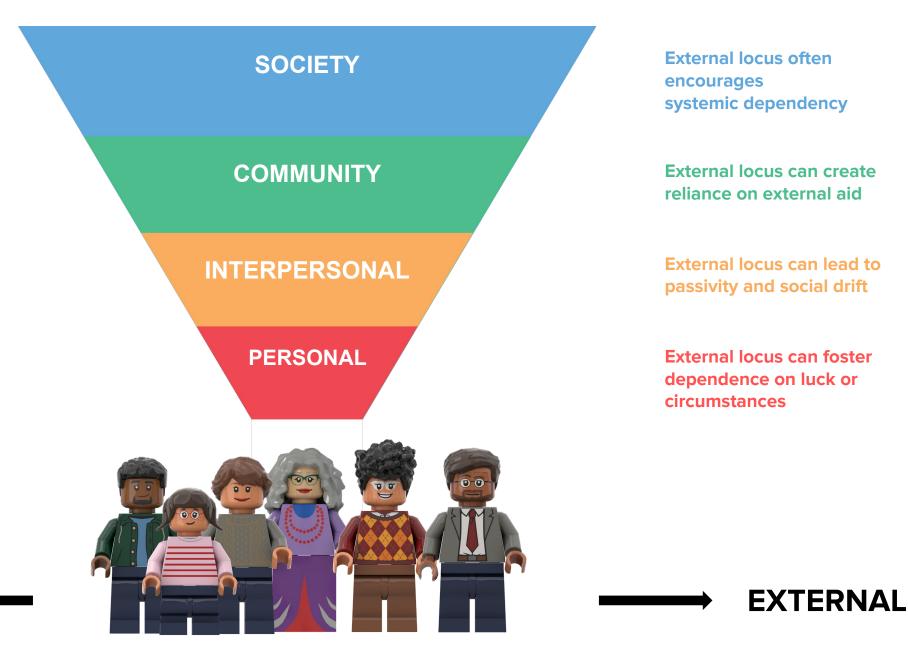
#### LOCUS OF CONTROL: Belief in control over outcomes

Internal locus promotes empowerment through accountability

Internal locus fosters collective action through networks

Internal locus are proactive in relationships and connection

Internal locus drives personal initiative on outcomes



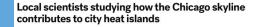


It is not like the city is trying to stay unprepared ...

Chicago, within the public, private, and plural sector has plans laid out.



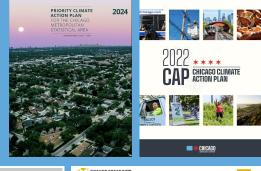
- Field Museum awareness campaign
- Heat tracking index Blacks & Green
- Argonne National Labratory
- CROCUS project

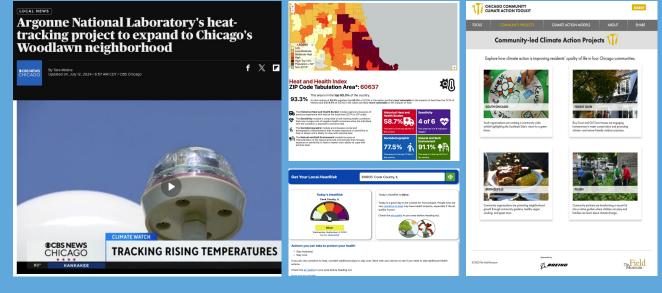


By Poinesha Barnes and Jaisol Martinez 🐲 Friday, August 2, 2024









But it's just not working, at least for what is to come.

And that is what we are trying to address, which leads us to wonder...

How might we leverage informal networks to enhance existing formal structures for climate resilience and extreme heat?

# Introducing Play It Cool



# <section-header>

A TABLETOP EXERCISE ABOUT CHRONIC HEAT BY TEAM R.A.N. When extreme heat is your new neighbor on the block, it's time to work together to help vulnerable populations build extreme heat resilience.

The Gruearmant The Organizer Mediduat Convuenting Mode The Engloyer Mediduat Business Dunes



# A tale of three neighborhoods

#### Low Risk Hyde Park

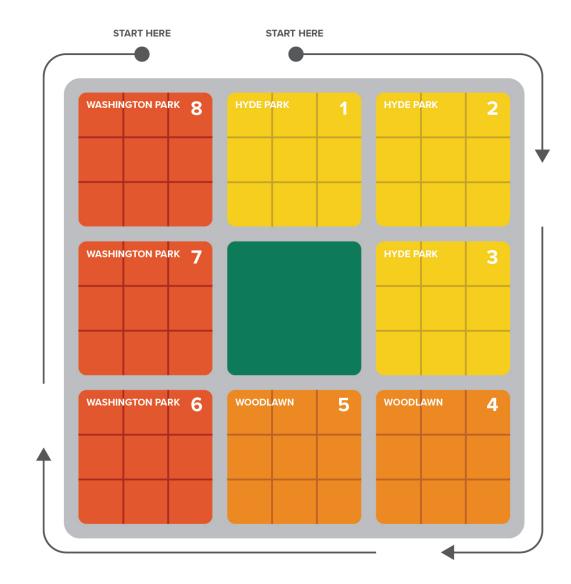
Known for its diversity, academic influence (home to the University of Chicago), and cultural richness, Hyde Park is a *well-resourced neighborhood with a mix of long-term residents and students*. It offers more services, parks, and is generally more affluent than surrounding areas.

#### Med Risk Woodlawn

A historically underserved neighborhood on Chicago's South Side, Woodlawn is facing gentrification due to the Obama Presidential Center. It has deep community roots but *struggles with economic disparity, fewer public resources, and infrastructure challenges* compared to its neighbors.

#### High Risk Washington Park

Rich in history and home to one of Chicago's largest and most historic parks, *Washington Park faces challenges with disinvestment in infrastructure and public safety.* Despite its vibrant cultural heritage and central location, it struggles with limited economic opportunities and *even more scarcity of amenities compared to both of its neighbors.* 



# Game walk-through

#### Formal: Higher authority, Slower response

These roles tend to be associated with people whose line of work revolves around heat research or heat wave response. They may or may not live within the community, and have varying levels of understanding of the community needs.

While they are generally more coordinated when it comes to addressing emergencies, they can be relatively slower to act due to policies, protocols, and procedures.

#### Informal: Lower authority, Faster response

These roles tend to be associated with people who live within or have the communities best interest in mind. They may or may not live within the community, but often have a deep understanding of the nuances and complexities it faces.

While *they are generally less coordinated through various channels, they can be quicker to act* due to their inherent proximity, partnerships, and purpose.



### Game walk-through

Playing It Cool is a *scenario-based* game.

Chicago, like many other cities, has many neighborhoods, communities and people. Different contexts present different risk and trade-offs to consider and make decisions around.

Playing It Cool is about the **choices** made.

Each leader in the community making planning decisions have a whole set of unique options available to them. *They need to decide when to act or not.* If they choose to act, they need to consider appropriate use of resources.



You're reading it now. It contains everything you need to know to play the game.

#### A physical board

The board has three neighborhoods with different

## Game walk-through

#### Playing It Cool unpacks outcomes.

A "great reveal" helps to understand how planning interacts with community responses, determining how effective those planning actions are. Seeing how different interests and actions among leaders play out is part of the result as well.

#### Some people have a lower heat tolerance if they are also dealing with chronic conditions. Many conditions may not be visible but can put folks at much greater risk for heat-related illness and oftentimes they are not even aware of that higher risk. Stigma around medical conditions makes it hard to get resources or information outside of private channels. WAIT UNTIL NEXT PH COMMUNITY RE Scenario 7 - Chronic conditions stigma **Community Response** Having medical clinics and resources nearby is effective because folks at risk best understand their conditions and needs. Government messaging is also effective. Guidelines for outdoor activities and community wisdom are less effective due to the lack of context and the stigma. **Effective Actions** 1 The Employer O The Organizer The Institution The Governmen C The Cinician onduct a public a local event and heat alert ampaign related neighborhood to the heat **Ineffective Actions** E The Employer C The Clinician The institution The Paster C The Clinician emergency toolkits at the cooling center fulnerability Index

Scenario 7 (12 points needed)

Chronic conditions stigma

## Our Design Intent

Role interactions can create unexpected outcomes, both good and bad.

- You have different actors who are working within their own decision-making contexts, trying to do their best and **triage their tradeoffs.**
- Leaders often have **distinct personal priorities and goals that may conflict** with objectives that would lead to a more positive sum outcome of health and resilience for the whole community.
- There is often **siloed communication** and a lack of information-sharing with other leaders that hinders planning efforts.
- Interactions often don't benefit from **symbiotic collaboration** unless trust is established and relationships are built over time.

# Our Design Intent

Communities have the dignity to respond to formal planning in their own way.

- Like leadership roles, people in the community have **their own trade-offs to make** and their own distinct decision-making contexts.
- Different people and contexts respond differently to planning and that's okay, but it means there is **no one-size-fits all approach.**
- Communities already have their own **embedded assets, resources, and sources of information** that are drawn upon in making decisions.
- Networks of **mutual trust and and social capital** are built up over time, and from the ground up.

# Our Design Intent

#### **Robbie Final Takeaway thoughts**

Whether a formal heat response member, an activist in crisis, or a community member, **we all make tradeoffs to achieve outcomes and mitigate risks.** We often don't know how different stakeholders may act in a scenario until presented with data.

#### Amina Final Takeaway thoughts

We greatly overestimate the ability of good intentions to accomplish the things we most hope for in our communities. The reality is that *pragmatic intentionality and conscientiousness is the bedrock of social capital creation and public sector planning.* It's what is needed in order to channel individual decision-making toward collective gain.

#### Nand Final Takeaway thoughts

Things will never go according to plan, despite our best efforts, because they [community members] are on the ground, they know their situation better than us [law and policy people]. What **we should do is do our best to equip them with resources so they can fight better for themselves.**  How might we help foster the recognition and enhancement of social capital in heat preparedness planning for our communities?

PLAY IT COOL

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# Thank you! scenario A- 10pts

Scenario 6 - 12pts

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#### References

Argonne National Laboratory's heat-tracking project to expand to Chicago's Woodlawn neighborhood https://www.cbsnews.com/chicago/news/argonne-national-laboratory-heat-tracking-project-woodlawn/

Local scientists studying how the Chicago skyline contributes to city heat islands https://abc7ny.com/post/new-crocus-project-argonne-national-lab-studies-how-chicago-skyline-contributes-city-heat-islands/15138061/

Heat & Health Tracker https://ephtracking.cdc.gov/Applications/heatTracker/

Chicago community climate action toolkit https://climatechicago.fieldmuseum.org

Chicago Climate Action Plan https://www.chicago.gov/city/en/progs/env/climateaction.html

->Link to additional sources/ citations <-