

# TRENDS IN PARKS AND NATURAL AREAS

Parks and Natural Areas Summit and Annual Awards Celebration 2023

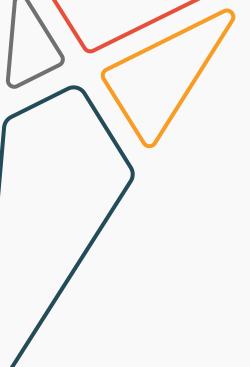






PROS is a nationally recognized leader in parks and recreation consulting, from Park System Master Planning, Strategic planning among other services.





# TRENDS IN OUR FIELD



PARKS AS INFRASTRUCTURE



HEALTH



CLIMATE CHANGE



SPORTS & OUTDOOR RECREATION TRENDS



# City Parks aren't luxuries.

They are critical infrastructure.







Cities are challenged by aging water and transportation systems.

# **NEW FOCUS**

DISASTER RESILIENCE + MIXED-USE INFRASTRUCTURE, INCLUDING PARKS





City parks can be designed to act like sponges, holding water during rain events and slowly filtering stormwater after the event has passed.

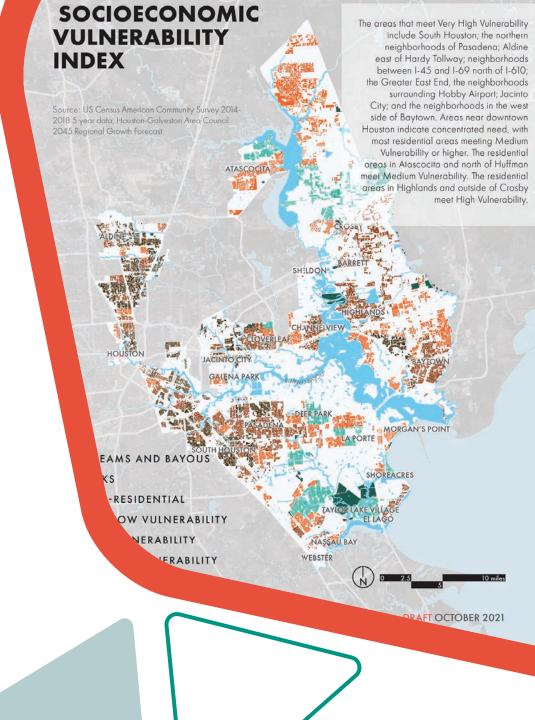
# In 2019 the National League of Cities conference, mayors across the country identified parks and recreation as a priority.

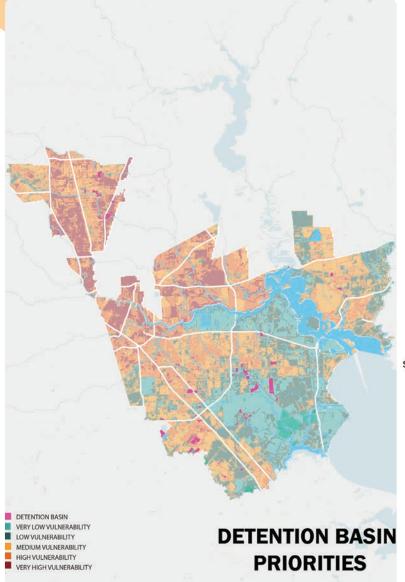


Important sub topics for Southern States

- Parks and Recreation
- 2 Roads, Streets, and Signs
- Police Departments
- Water, Sewer, and Waste Inf.
- **5** Downtown Development

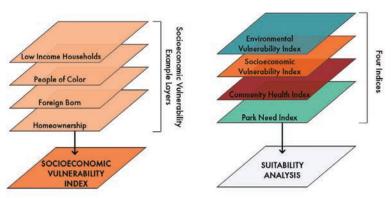
- 6 Pedestrian Infrastructure
- 7 Intergovernmental Relations
- 8 Fire Department
- 9 Civic Engagement
- 10 Infrastructure Funding





Park Name	Score
Halls Bayou Hike & Bike Trail	2.13
Pinewood Village Park	1.9
Betshire Park	Not Scored
Mary Withers Park	Not Scored
Baytown Soccer Park	1.63
North Shore Park 2.84	

#### STACKING PROCESS



# Harris County Precinct 2 Parks and Trails Plan

Data-Informed Decision Making

- Robust suitability analysis
- Comprehensive park assessments
- Tiered park hierarchy for prioritized implementation

Multilingual

# **PARKS EVERYWHERE**

The advent of **green roofs** is offering new opportunities to site innovative parks. The trend is best exemplified in the Dutch city of Rotterdam, which built DakPark, a rooftop park that adorns a 4,000-foot-long building complete with play courts, gardens, a kiosk selling refreshments and even sheep that graze contentedly. Parks will be everywhere humans can find a spot for peaceful reflection — underground, underwater and on the tops of buildings.

**DakPark**Dutch city of Rotterdam

# **PARKS AS INFRASTRUCTURE**

The American Society of Civil Engineers rates the state of the nation's infrastructure in its quadrennial report to Congress and the president.

The 2021 report states that parks support

- economic prosperity
- prevent damage from stormwater
- build healthy communities

## Deferred Maintenance Backlog

\$5.6 billion

Local parks \$60 billion

# A Golden Age of Park and Recreation Infrastructure?

With the passage of the **Great American Outdoors Act** in 2020 that permanently funds the Land and Water Conservation Act at **\$900 million annually,** and the **INVEST in America Act,** there are opportunities for

- land acquisition
- park and recreation planning
- infrastructure maintenance
- · repair and development

Agencies that are prepared will be able to tap into funding for

- roads and bridges
- climate change resiliency, renewable energy utilization
- waste reduction
- recycling
- "tree equity"



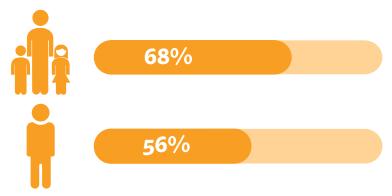
U.S. adults visiting open spaces for mental & physical health



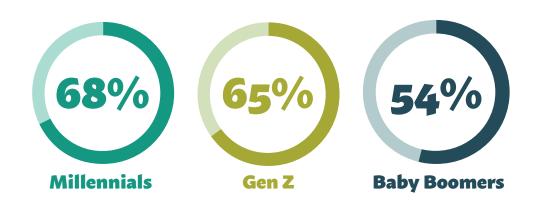
1 of 5 agree amenities are very or extremely essential to mental and physical health



Parents are more likely than non-parents to find parks, trails and open spaces very or extremely essential



Say it is very or extremely essential to do physical activities at their local parks, trails, and open spaces to maintain their mental and physical health



**IMPACT OF THE COVID 19 PANDEMIC** 

(2020-Present)

An overwhelming majority of adults in the United States find exercising at their local parks, trails, and open spaces essential to maintaining their mental and physical health during the COVID-19 pandemic.

### PARKS ARE CRITICAL TO THE COVID-19 RESPONSE!

# **Percentage of Adults**

very or extremely essential









#### **Public Health**

Physical Activity

Parks &

Recreation

Response to

COVID-19

- Food Security
- Contact Tracing

#### Environment

 Maintenance of Parks, Trails & **Green Spaces** 

#### Government

- Emergency Operations
- Community Resource Centers

#### Education

- Childcare
- Virtual Learning

#### **Mental Health**

- Access to the Outdoors
- Well-Being Checks & Programming

**Transportation** 

Mobile & Virtual

Programming

Home Delivery

#### **Public Safety**

- · Physical Distance Monitoring
- COVID-19 Safety Measures

#### Healthcare

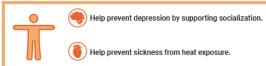
- COVID-19 Testing Sites
- Vaccine Distribution

## Housing

- Emergency Shelters
- Hygiene Stations







#### Health Benefits:

Sheltered spaces can provide a shaded place for people to gather, increasing social opportunities which help prevent depression and heat-related illness from exposure to the elements. <sup>141</sup>

#### Scale:

Pavilions range in size. A smaller pavilion may be appropriate in a smaller park, but a larger one or multiple smaller pavilions can be placed in a larger park.

evilions

#### Place-based

Considerations:

1. Heat Exposure
2. Mental Health

What We Heard:

Spending time with friends

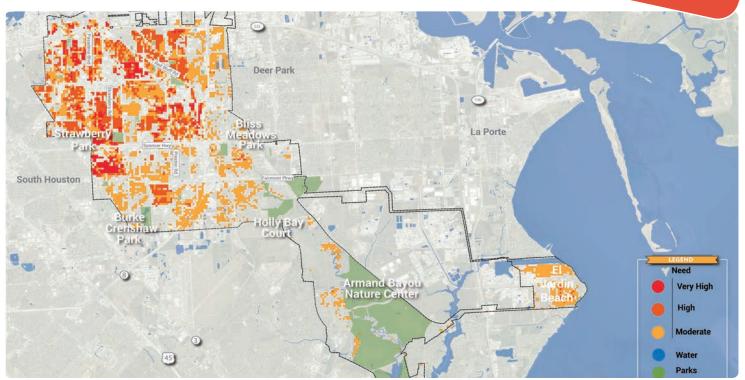
and family is the most

parks according to the Community Survey

common reason for using

- Disconnected Youth
- 4. Tree Canopy





# Pasadena Healthy Parks Plan

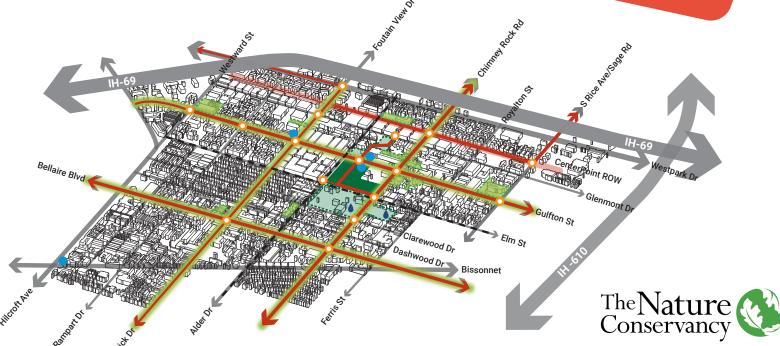
Leveraging Community Assets for Community Health

- Analytical mapping
- Robust and equitable engagement
- Creative implementation and strategic partnerships

Multilingual







# A Greener Gulfton for Nature Health and Resilience

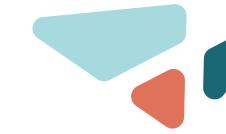
Leveraging Community Assets for Resiliency

- Analytical mapping
- Diverse engagement and long-term community capacity
- Creative implementation and strategic partnerships

Multilingual



# PARTICIPATION BY GENERATION



Generationally, fitness sports continue to be the go-to means of exercise for Boomers, Gen X, and Millennials. Over half of the Gen X, Millennials, and Gen Z generation participated in one type of outdoor activity. Team sports were heavily dominated by generation Gen Z.

Boomers	1945	-1964
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	2019	2020	2021
Fitness Sports	58.9%	59.9%	64.4%
Individual Sports	23.1%	22.3%	22.9%
Outdoor Sports	39.4%	39.5%	41.9%
Raquet Sports	5.5%	6.4%	6.8%
Team Sports	4.3%	4.9%	5.1%
Water Sports	7.4%	7.8%	8.2%
Winter Sports	3.9%	3.5%	3.7%

**Gen X** 1965 –1979

	2019	2020	2021
Fitness Sports	61.1%	66.0%	64.2%
Individual Sports	29.9%	31.5%	29.6%
Outdoor Sports	50.4%	52.2%	50.4%
Raquet Sports	10.1%	12.2%	11.8%
Team Sports	12.0%	15.5%	15.2%
Water Sports	10.9%	13.0%	12.3%
Winter Sports	8.6%	8.7%	8.2%

Millennials 1980 –1999

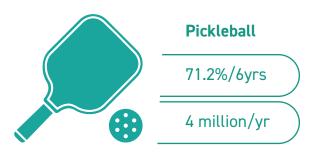
	2019	2020	2021
Fitness Sports	68.3%	68.7%	70.0%
Individual Sports	39.8%	41.5%	41.3%
Outdoor Sports	57.5%	59.4%	60.5%
Raquet Sports	17.6%	19.9%	19.3%
Team Sports	27.2%	30.4%	30.0%
Water Sports	15.0%	17.1%	17.2%
Winter Sports	14.9%	14.5%	14.0%

**Gen Z** 2000+

	2019	2020	2021
Fitness Sports	53.5%	55.2%	55.8%
Individual Sports	42.0%	44.3%	44.0%
Outdoor Sports	59.1%	60.6%	60.8%
Raquet Sports	18.1%	22.4%	22.6%
Team Sports	56.3%	56.6%	55.8%
Water Sports	12.9%	16.3%	15.8%
Winter Sports	18.9%	19.4%	19.1%

# **NATIONAL TRENDS**

**GENERAL SPORTS** 



#### Pros:

- 1. Universality, (anyone can play!)
- 2. Simple to learn
- 3. Can be played outdoors or indoors.
- 4. Social

# Challenges:

- 1. Heavy pressure to expand availability on recreation agencies
- 2. Noise complaints
- 3. Competition with other sports like Tennis







# **NATIONAL TRENDS**



## **GENERAL FITNESS**

Fitness Walking



114

Dumbbell Free Weight



\*Numbers reflected by the millions

Treadmill



49.8



Yoga

**32.8** 

## **OUTDOOR RECREATION**

Hiking



57.8

Bicycling (Road)



44.5

Fishing (freshwater)

50.7

Running/

**Jogging** 



42.67

**Camping** 

Camping Recreational Vehicle



36.1



17.8

# **WATER SPORTS / ACTIVITIES**

Kayaking



13.3

Canoeing



9.2

**Snorkeling** 



7.3

Jet skiing



5.1



National Participatory Trends - General Sports					
A attivitus	Participation Levels			% Cł	nange
Activity	2016	2020	2021	5-Year Trend	1-Year Trend
Basketball	22,343	27,753	27,135	21.4%	-2.2%
Golf (9 or 18-Hole Course)	23,815	24,804	25,111	5.4%	1.2%
Tennis	18,079	21,642	22,617	25.1%	4.5%
Baseball	14,760	15,731	15,587	5.6%	-0.9%
Soccer (Outdoor)	11,932	12,444	12,556	5.2%	0.9%
Golf (Entertainment Venue)	8,173	12,057	12,362	51.3%	2.5%
Softball (Slow Pitch)	7,690	6,349	6,008	-21.9%	-5.4%
Football (Flag)	6,173	7,001	6,889	11.6%	-1.6%
Volleyball (Court)	6,216	5,410	5,849	-5.9%	8.1%
Badminton	7,354	5,862	6,061	-17.6%	3.4%
Soccer (Indoor)	5,117	5,440	5,408	5.7%	-0.6%
Football (Touch)	5,686	4,846	4,884	-14.1%	0.8%
Football (Tackle)	5,481	5,054	5,228	-4.6%	3.4%
Gymnastics	5,381	3,848	4,268	-20.7%	10.9%
Volleyball (Sand/Beach)	5,489	4,320	4,184	-23.8%	-3.1%
Track and Field	4,116	3,636	3,587	-12.9%	-1.3%
Cheerleading	4,029	3,308	3,465	-14.0%	4.7%
Pickleball	2,815	4,199	4,819	71.2%	14.8%
Racquetball	3,579	3,426	3,260	-8.9%	-4.8%
Ice Hockey	2,697	2,270	2,306	-14.5%	1.6%
Ultimate Frisbee	3,673	2,325	2,190	-40.4%	-5.8%
Softball (Fast Pitch)	2,467	1,811	2,088	-15.4%	15.3%
Lacrosse	2,090	1,884	1,892	-9.5%	0.4%
Wrestling	1,922	1,931	1,937	0.8%	0.3%
Roller Hockey	1,929	1,500	1,425	-26.1%	-5.0%
Boxing for Competition	1,210	1,361	1,460	20.7%	7.3%
Rugby	1,550	1,242	1,238	-20.1%	-0.3%
Squash	1,549	1,163	1,185	-23.5%	1.9%

NOTE: Participation figures are in 000's for the US population ages 6 and over









# The Woodlands Parks And Needs Assessment

Benchmarking, Trends Analysis, Utilization **Analysis** 

- Understand local and national usage and trends
- Identify current and future needs of the community
- Develop conceptual designs that respond to long term goals
- Foster economic Development











# **THANK YOU!**

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