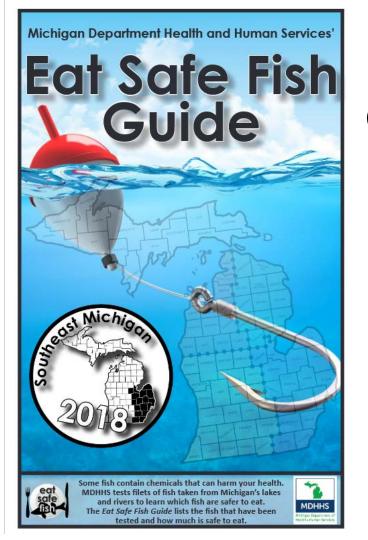
IDENTIFYING AND ADDRESSING ENVIRONMENTAL JUSTICE ISSUES AROUND FISH CONSUMPTION ON THE DETROIT RIVER

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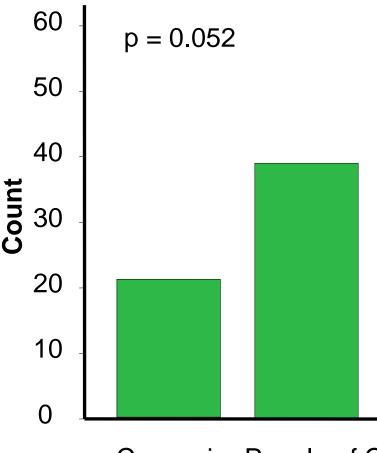
ENVIRONMENTAL JUSTICE ISSUES AROUND FISH CONSUMPTION



Consumption guidelines are frequently used to minimize risk associated with eating fish high in contaminants.

Uncertainties exist about whether vulnerable populations are aware of fish consumption guidelines.

2007: Who is eating the fish



Compared with caucasians people of color :

1) take home more types of fish

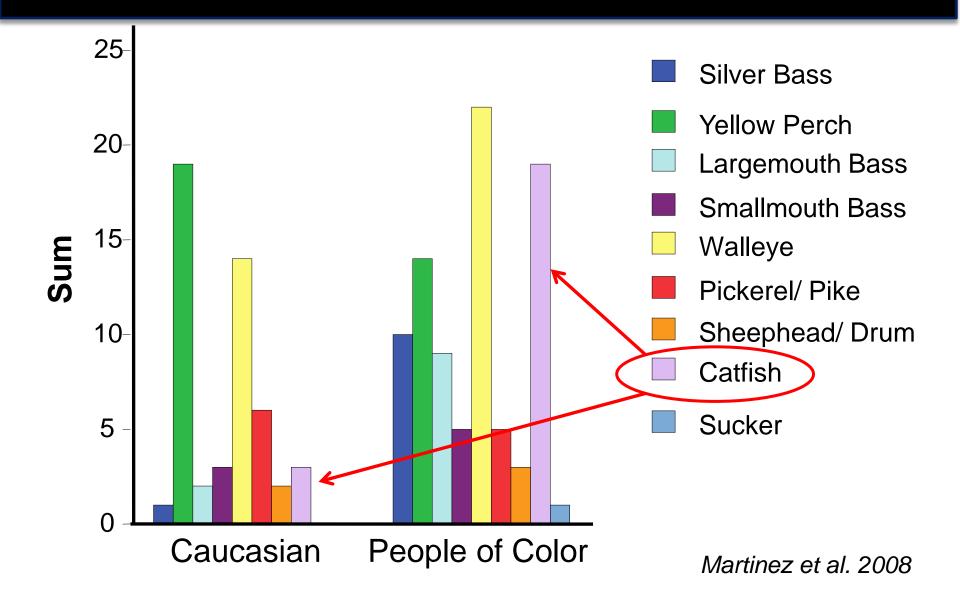
2) take home a higher quantity of fish

Caucasian People of Color

Take Home

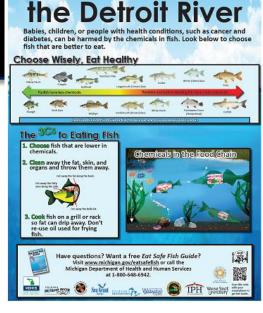
Martinez et al. 2008

2007: What are people eating?



2008: Actions Taken

- Added catfish to Detroit River Advisory
- Re-designed advisory and messaging
- Posted signs along the Detroit River
- Started an educational campaign- River Walkers
- Produced educational handouts



Eat Safe Fish from

Signs posted

Objectives of Current Work

 Determine if there are on-going environmental justice issues related to fish consumption on the Detroit River

Evaluate the effectiveness of consumption guidelines.



Conducted repeated* in-person surveys of active shoreline anglers to determine the effectiveness of education and outreach efforts.

- 1) Signage
- 2) On-site educators- River Walkers
- 3) Informational Pamphlet

* Surveys were conducted 3 and 5 years after implementation of the 3 education and outreach efforts.

Environmental Justice Issues Around Fish Consumption



Produced by Erb Family Foundation

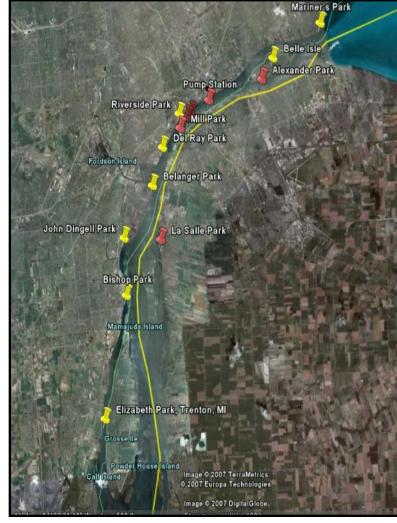
Methods: Sign and Sign locations

Eat Safe Fish from the Detroit River

Bables, children, or people with health conditions, such as cancer and diabetes, can be harmed by the chemicals in fish. Look below to choose fish that are better to eat.

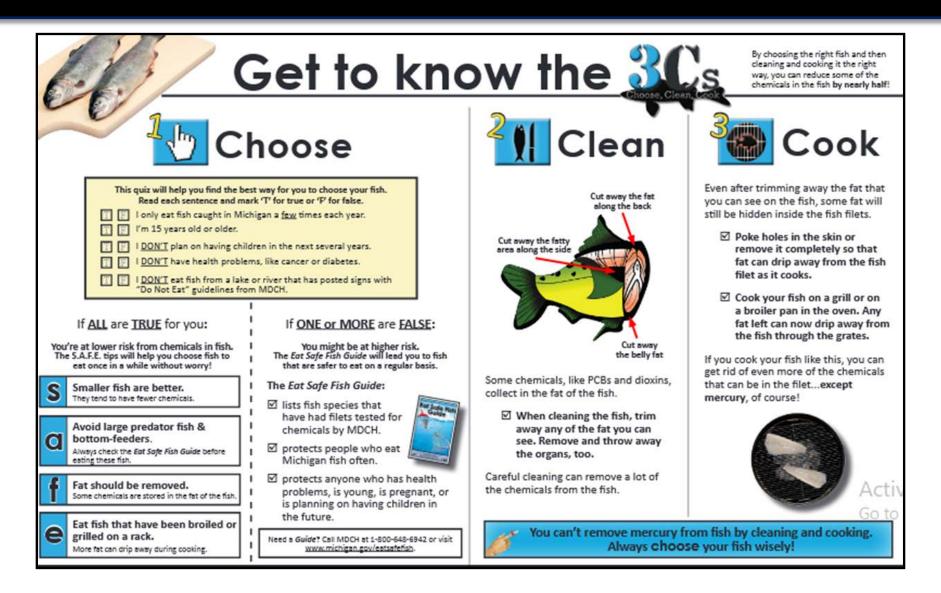
Choose Wisely, Eat Healthy



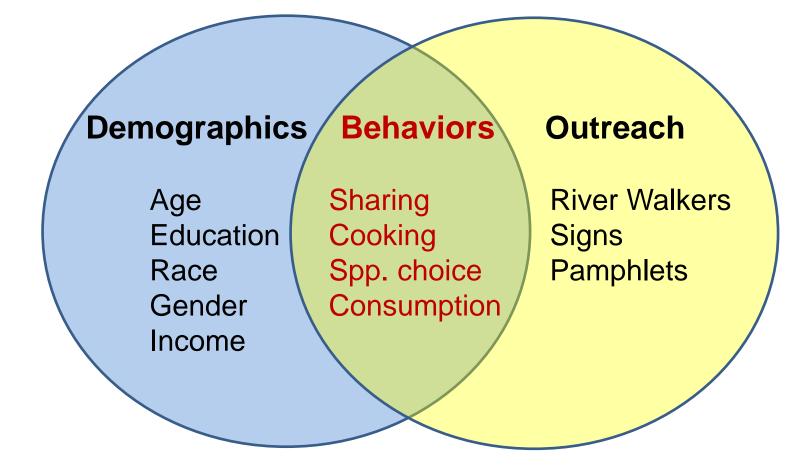


Survey took place at sign locations

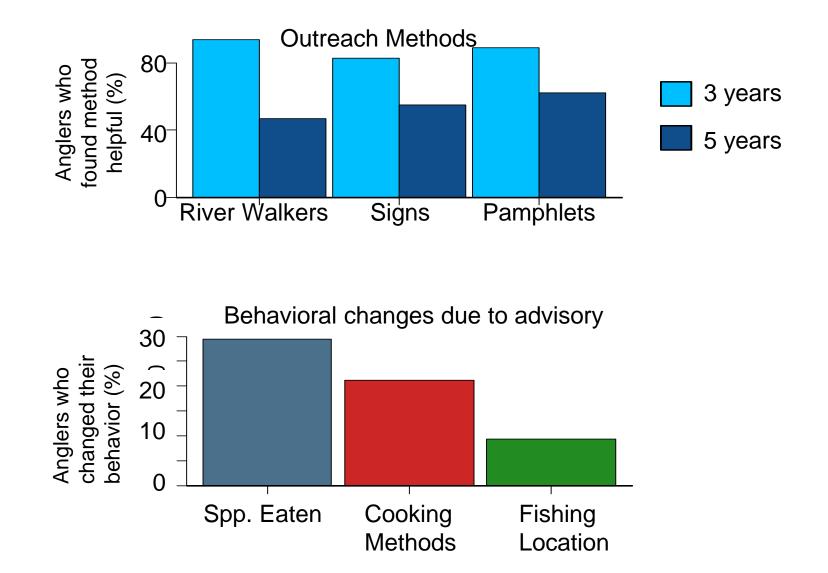
Methods: Pamphlet



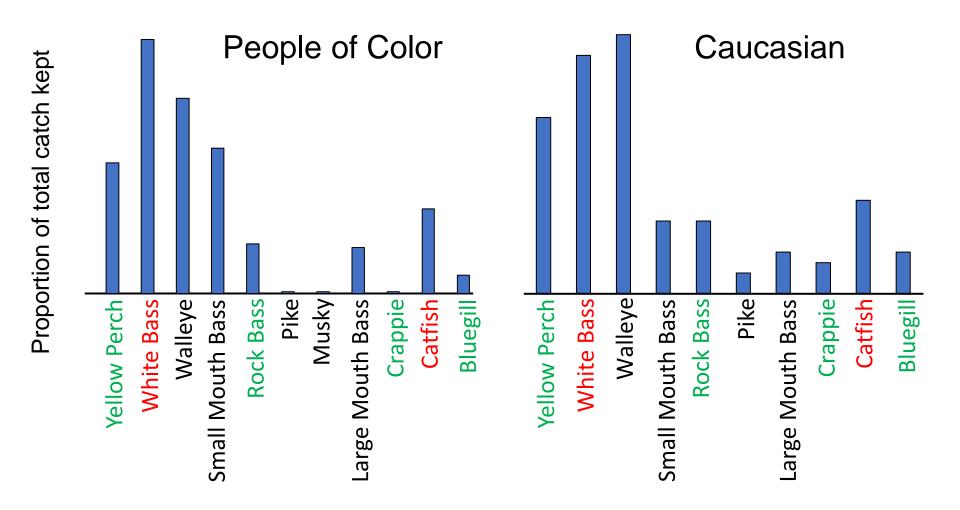
Methods: Survey Questions



Results: What works best?

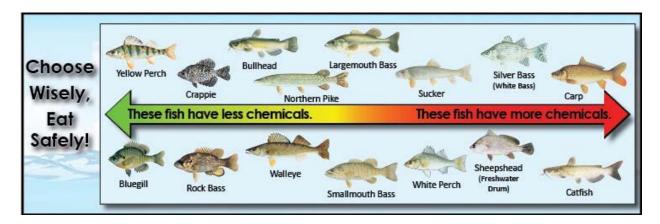


What are people eating? 5 years after initial outreach efforts



Conclusions

- By year five 55% of anglers were aware of the guidelines.
- People of color are still disproportionately consuming fish high in contaminants, but less of those are catfish.



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