

**The Science of Team Science Conference  
National Institutes of Health**

**June 3-5, 2015**

**D**•verse

Detroit Integrated Vision  
for Environmental Research  
through Science and Engagement

**health**

**environment**

**urban**

**knowledge**

**community**

***Carpe opportunitatem***  
**Developing Disciplinary**  
**Diversity for Petcoke**

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Donnie Sackey  
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***D•VERSE Team***  
***Petcoke Research Project***

**Community focus groups**

Discussion with community members about

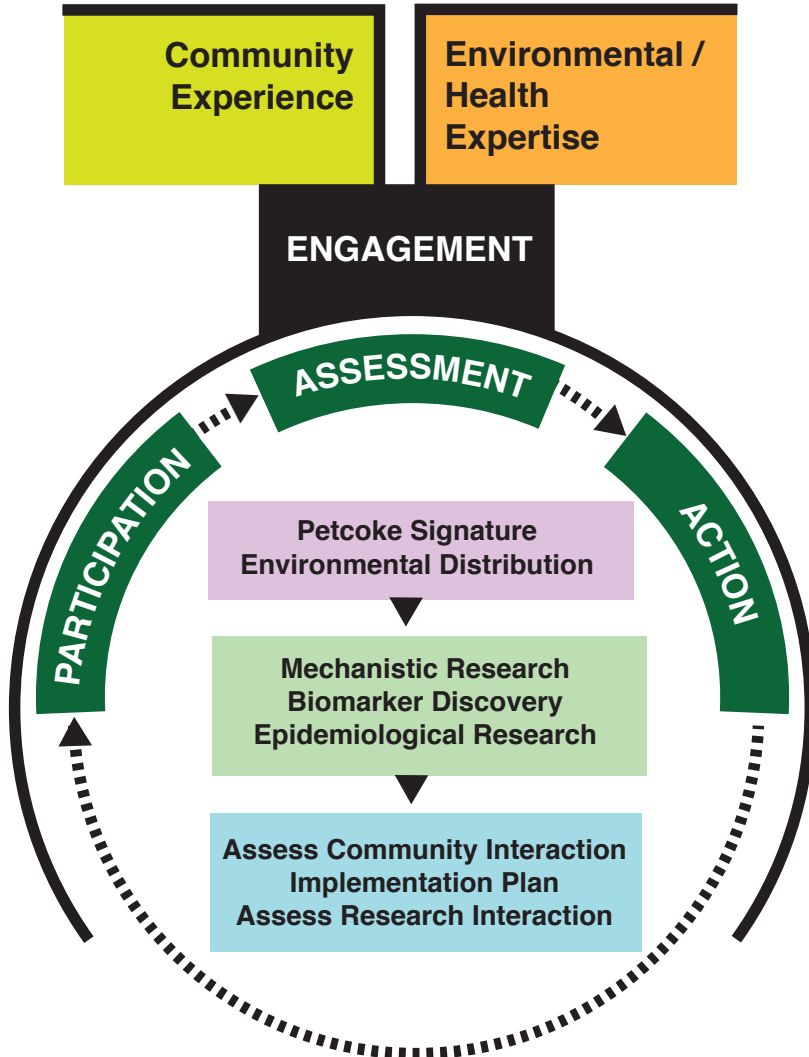
- Values
- Identity
- Attitudes toward science and scientists
- Knowledge and experience with petcoke
- Degree and method of engagement with the project
- Communication methods and media

**community**

*concerns*  
*group/individual dynamics*

*what people experience*

**D•VERSE Team**  
**Petcoke Research Project**



Petcoke is a granular by-product of the crude oil refining process. Open piles of petcoke were stored on the shores of the Detroit River in 2013. Most affected by the petcoke dust was the southwest Detroit community known as Mexicantown.

The D•VERSE team is investigating the effects of petcoke in southwest Detroit by engaging the community in the project to understand *what the community wants to know and how community members communicate/share that information with one another*. This community-based research will drive the focus of the project.

## Findings / Sample – Mothers (n=20)

	M	(SD)	Range		f	%
Age (years)	31.30	(7.61)	18-45	Marital Status		
Living children ((number)	2.42	(2.09)	1-9	Single	9	45
Age of youngest child (years)	2.36	(1.51)	3 weeks - 5 years	Married / Partnered	11	55
Age of oldest child (years)	12.55	(7.94)	5-30			
				Ethnic Background		
				African-American	12	60
				White	6	30
				American Indian	1	5
				Hispanic	1	5
				Family Income		
				<\$25,000	10	50
				\$25,000-55,000	5	25
				>\$55,000	5	25
				Education		
				HS diploma / GED	2	10
				Trade school / some college	10	50
				Undergraduate degree	4	20
				Graduate degree	4	20
				Depression > 2weeks		
				Yes	12	60
				No	8	40
				Infant/child deaths (number) (includes miscarriages and stillbirths)	4	20

## Findings / Sample – Doulas (n=5)

	M	(SD)	Range		f	%
Age (years)	34.40	(4.62)	29-39	Marital Status		
PP Doula experience (years)	6.38	(4.89)	1-11	Single	1	20
				Married / Partnered	3	60
				Living with Partner	1	20
				Ethnic Background		
				White	3	60
				African-American	1	20
				Bi-racial	1	20
				Family Income		
				\$25,000-39,999	3	60
				\$40,000-54,999	1	20
				\$70,000 or above	1	20
				Education		
				Trade school / some college	4	80
				Bachelor's degree	1	20
				Depression > 2weeks		
				Yes	2	40
				No	3	60
				Infant/child deaths (number) (includes miscarriages and stillbirths)	0	0

## Findings / Sample – Doula Trainers (n=5)

	M	(SD)	Range		f	%
Age (years)	42.00	(6.34)	42-58	Marital Status		
Doula trainer (years)	13.40	(7.23)	7-25	Married / Partnered	5	100
Trainings conducted (number)	32.50	(10.47)	19-44			
				Ethnic Background		
				White	5	100
				Family Income		
				\$55,000-69,999	1	20
				>\$70,000	4	80
				Education		
				Some college	1	20
				Bachelor's degree	2	40
				Some graduate school	2	40
				Depression > 2weeks		
				Yes	1	20
				No	4	80
				Infant/child deaths (number) (includes miscarriages and stillbirths)	4	20