Health Impact Assessment of the Choice Neighborhood Transformation Plan for a Community in Albany, Georgia



Senter for Quality Growth and Regional Development College of Architecture

By. Sarah M. Smith, MArch, MCRP; Nisha D. Botchwey, PhD, MCRP, MPH; Catherine Ross PhD, MRP

This project was completed in partnership with and sponsored by Georgia Healthy Communities Initiative, Health Promotion and Disease Prevention Programs, Georgia Department of Public Health.

Introduction

The Center for Quality Growth and Regional Development (CQGRD) at the Georgia Institute of Technology conducted a rapid-intermediate Health Impact Assessment (HIA) jointly with the Georgia Department of Public Health (GA DPH) to assess the health impacts of the redevelopment of a public housing project, McIntosh Homes, located in Albany, Georgia. The Transformation Plan for McIntosh Homes was developed by the Albany Housing Authority (AHA) through a grant provided by the US Department of Housing and Urban Development (HUD) under the Choice Neighborhood Program.

Although health is specified as one of the components required by HUD for inclusion in the "People" section of the Transformation Plan, the HIA provided the AHA with additional data, resources, stakeholder input, and ultimately recommendations, to consider health in a much more explicit way.

The HIA was particularly valuable as a supplement to the Transformation Plan since the study area population is characterized by a number of health risk factors such as low socioeconomic status, elevated crime rates, and chronic disease. Additionally, the study area includes many vacant and poorly-maintained properties, lacks greenspace, and offers limited healthy food sources.

Health Determinants Analyzed in this HIA

Vulnerable Populations and Associated Health Issues

- o Income and Poverty
- o Minority Status
- o Access to Employment
- o Access to Healthcare
- o Significant Health Issues:
- Diabetes
- Asthma
- Low Birth Weight Infants
- o Affordable Housing
- o Gentrification and Displacement

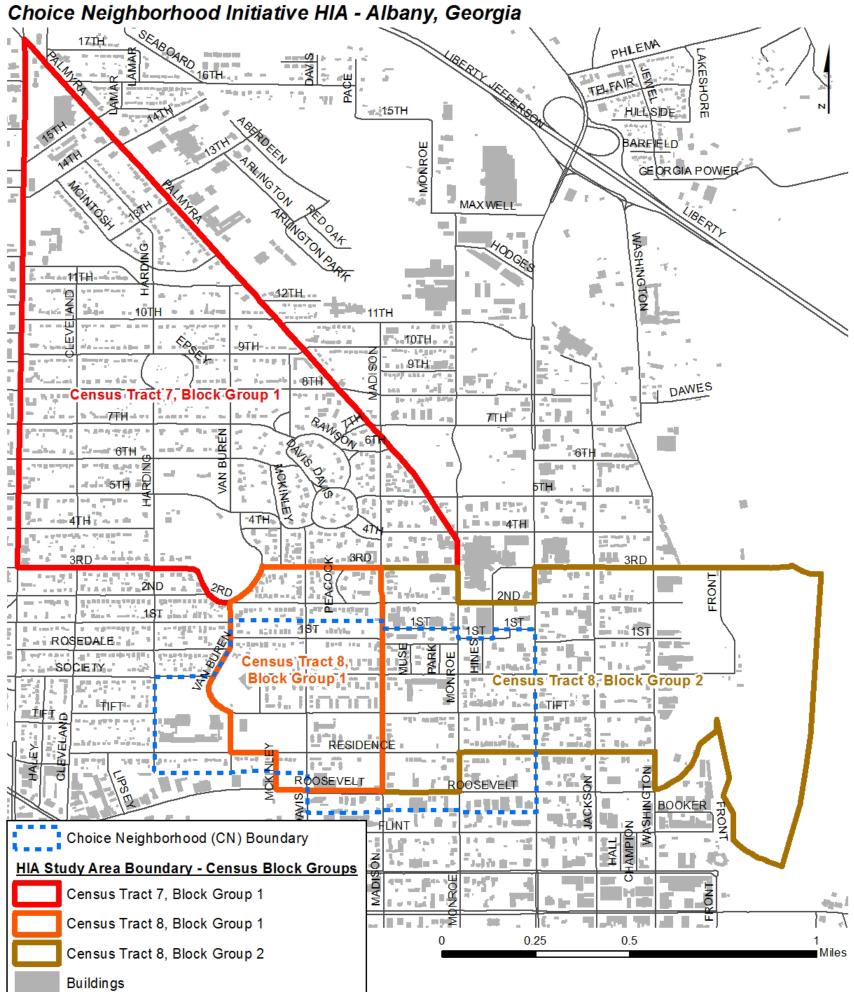
Health Effects of Housing Redevelopment

- o Social Capital
- o Property Values

SCOPING

— Roads

HIA Scoping Phase - Geographic Extents



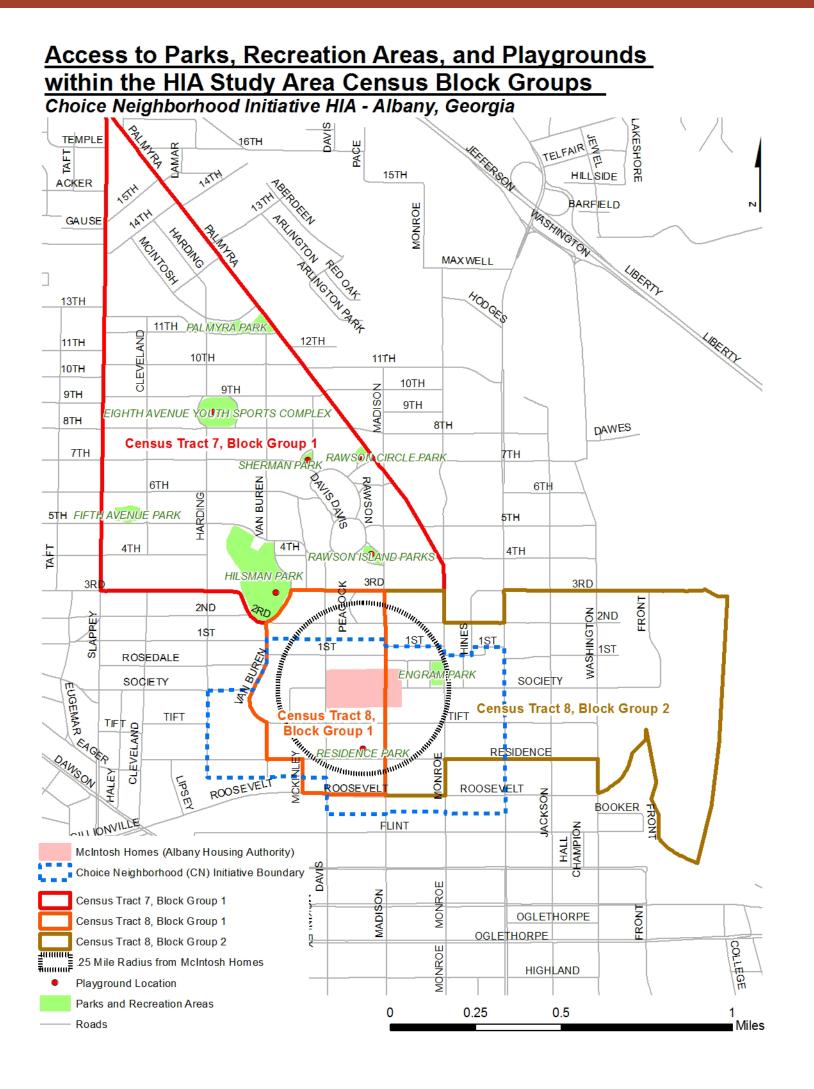
Community Facilities

- o Design Elements Influencing Housing Health
- o Parks and Greenspace
- o Trail Access
- Access to Healthy Food
- o Urban Agriculture
- School Facilities

Safety and Security

- o Intentional Injury and the Built Environment
- Transportation
- Neighborhood Impact of One-way Streets
- Enhanced Pedestrian Facilities

ASSESSMENT



Selected Chronic Disease Rates in Study Area

Census Tract 7						Census Tract 8						
Measures	Hospital Discharges	Percent Hospital Discharge Visits by Cause	Emergency Room Visits	Percent Emergency Room Visits by Cause	Hospital Discharges	Percent Hospital Discharge Visits by Cause	Emergency Room Visits	Percent Emergency Room Visits by Cause	*Factor of increase from Tract 7 to 8			
ALL EVENTS	1,363		5,223		2,242		11,135					
Neoplasms	39	2.9	0	0.0	41	1.8	6	0.1				
Diabetes Mellitus	21	1.5	30	0.6	96	4.3	106	1.0	3.5			
Diseases of the Circulatory System	150	11.0	103	2.0	224	10.0	226	2.0	2.2			
Diseases of he Respiratory System	131	9.6	703	13.5	214	9.5	1683	15.1	2.4			
Pneumonia	50	3.7	41	0.8	60	2.7	93	0.8	2.3			
Emphysema	0	0.0	4	*	1	*	6	0.1	1.5			
Asthma	26	1.9	56	1.1	59	2.6	214	1.9	3.8			
All other Diseases of the Respiratory System	36	2.6	492	9.4	58	2.6	1120	10.1	2.3			
Motor Vehicle	6	0.4	126	2.4	7	0.3	161	1.4	1.3			

Accidents

risits were considered to be a proxy indicator for disease prevalence. Crude rates were calculated to highlight the differences in disease rates between census tracts 7 and 8. Rates in tract 8 are more than twice that of tract 7. The disparity between asthma and diabetes rates are even higher.

Screening Checklist

Proposal	AHA Choice Neighborhood Initiative
Is there a decision?	Yes
Is the decision likely to substantially affect health or health determinants?	Yes
Is the timeframe for the decision-making process appropriate?	Yes—Planning process will conclude Fall 2012, the project is in data collection and community partnership stage
Is there enough evidence and data for the analysis?	Yes
Is there potential to disproportionately affect vulnerable populations?	Yes—public housing demolition will possibly displace some residents, positive impacts also possible
Does the current decision-making process fail to adequately address health?	Health outcomes and baseline conditions will be included in the planning process.
Does the legal framework allow for health to be factored into the decision?	Yes
Are available staff and resources adequate to complete a successful HIA?	Yes
Is there major public controversy about the decision?	No
Is an HIA likely to produce new findings or recommendations?	Yes
Is there a risk for major catastrophic health consequences?	No

Census Tract	sus Tract				7 8			8		8
Block Group						1	1			2
Total population					1	.783	967	7 64		640
Age										
% Total Population: Under 18 ye	ars				21.9		36.8		24.5	
% Total Population: 18 to 34 yea	ars				2	27.8	26.2			24.4
% Total Population: 35 to 64 yea	ars				3	39.3	29.5		4	45.3
% Total Population: 65 and over						L1.0	7.6			5.8
Gender										
% Total Population: Male					4	19.8	41.6		ļ	52.3
% Total Population: Female						50.2	58.4			47.7
Children under 18 by Gender										
% Total population male: under	18				1	L2.4	17.7			13.4
% total population female: unde	r 18					9.5	19.1			11.1
Census Tract Block Group					7 1		8 1		8	
							_			
Total population					1783		967		640	
Race					57	0	11.2		20.0	
	otal population: White alone otal population: Black or African- American alone				39.4		86.9		78.6	
% Total population: Hispanic or		nence			1.0		1.2			1.3
% Total population: Asian alone	Lutino				0.	-	0.0			0.3
% Total population: other					2.		0.7			0.0
Housing Characteristi	cs of	the	Albar	1y (CNI H	IA Stu	idy Area	1	8	1
Block Group				, 1			1		2	
Housing					%		%			%
Housing Unit Count (100%)			917		100.0	463	100.0	31	.5	100.0
Occupied housing units: Owner	Occupi	ed	376		45.9	46	11.3	39	9	16.5
Occupied housing units: Renter	occupie	ed	444		54.2	363	88.8	19	8	83.5
Housing units: Vacant			97		10.6	54	11.7	78	8	24.8
Renter-Occupied Paying Cash R	ent						·			
Median Gross Rent, \$	an Gross Rent, \$				6 333			390		0
As % of Household Income In	As % of Household Income In 2010						<mark>38.7</mark>		30	.6
Educational Characte	ristic	s of	the A	lba	iny Cl		Study	Area		
				1	-		-		0	
Census Tract	7	8	8	Cei	nsus Tra	ct		7	8	8

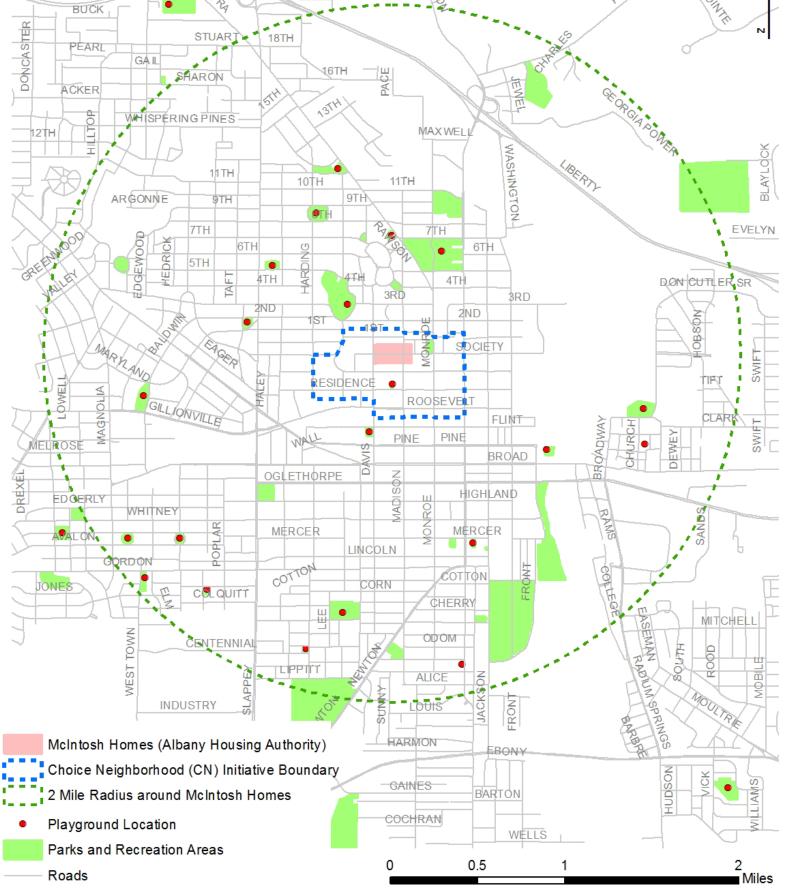
		-	-					-
Census Tract	7	8	8	Census Tract	7	8	8	C
Block Group	1	1	2	Block Group	1	1	2	ca
Educational Attainment, Popula	ation 25	Years a	and Ove	er				Jer
Total male population	446	272	529	Total female population	807	252	233	Απ
Less Than High School	31	<mark>145</mark>	<mark>121</mark>	Less Than High School	<mark>57</mark>	<mark>87</mark>	<mark>64</mark>	ey
High School or Equivalent	84	90	136	High School or Equivalent	147	100	104	2009 Jrvey
Some college	156	27	272	Some college	346	65	65	က် ကို
Bachelor's degree	142	10	0	Bachelor's degree	120	0	0	200 1ity 3
Master's degree	21	0	0	Master's degree	118	0	0	<u> </u>
Professional school degree	12	0	0	Professional school degree	9	0	0	ource: ommu
Doctoral degree	0	0	0	Doctoral degree	10	0	0	Sol Col
-	0	•			9 10	-	0	Source:

Household Income Characteristics of the Albany CNI HIA Study Area

Census Tract		7		8	8 2 18730		
Block Group		1		1			
Median household income	40	000	10	873			
(In 2010 inflation-adjusted dollars)	40	000	10	075			
Household Income		%		%		%	
Total Households	856	100.0	387	100.0	345	100.0	
Less than \$10,000	50	5.8	175	<mark>45.2</mark>	75	<mark>21.7</mark>	
\$10,000 to \$19,999	153	17.9	119	<mark>30.7</mark>	130	<mark>37.7</mark>	
\$20,000 to \$29,999	173	20.2	48	12.4	66	19.1	
\$30,000 to \$39,999	52	6.1	34	8.8	12	3.5	
\$40,000 to \$49,999	51	6.0	11	2.8	44	12.8	
\$50,000 to \$59,999	199	23.2	0	0.0	12	3.5	
\$60,000 to \$99,999	84	9.8	0	0.0	6	1.7	
\$100,000 or More	94	11.0	0	0.0	0	0.0	
Household Income Sources		%		%		%	
Total Households	856	100.0	387	100.0	345	100.0	
With wage or salary income	699	81.7	103	<mark>26.6</mark>	217	62.9	
No wage or salary income	157	18.3	284	<mark>73.4</mark>	128	<mark>37.1</mark>	
With Social Security income	161	18.8	237	<mark>61.2</mark>	77	22.3	
Families living in poverty		%		%		%	
Families	380	100.0	173	100.0	155	100.0	_
Income in 2010 below poverty level	47	12.4	120	<mark>69.4</mark>	42	<mark>27.1</mark>	
Female Householder, no husband present:							
With related children under 18 Years	14	3.7	75	<mark>43.4</mark>	27	<mark>17.4</mark>	

ASSESSMENT

Distribution of Parks, Recreation Areas, and Playgrounds within an Approximate Two Mile Radius of McIntosh Homes Choice Neighborhood Initiative HIA - Albany, Georgia •

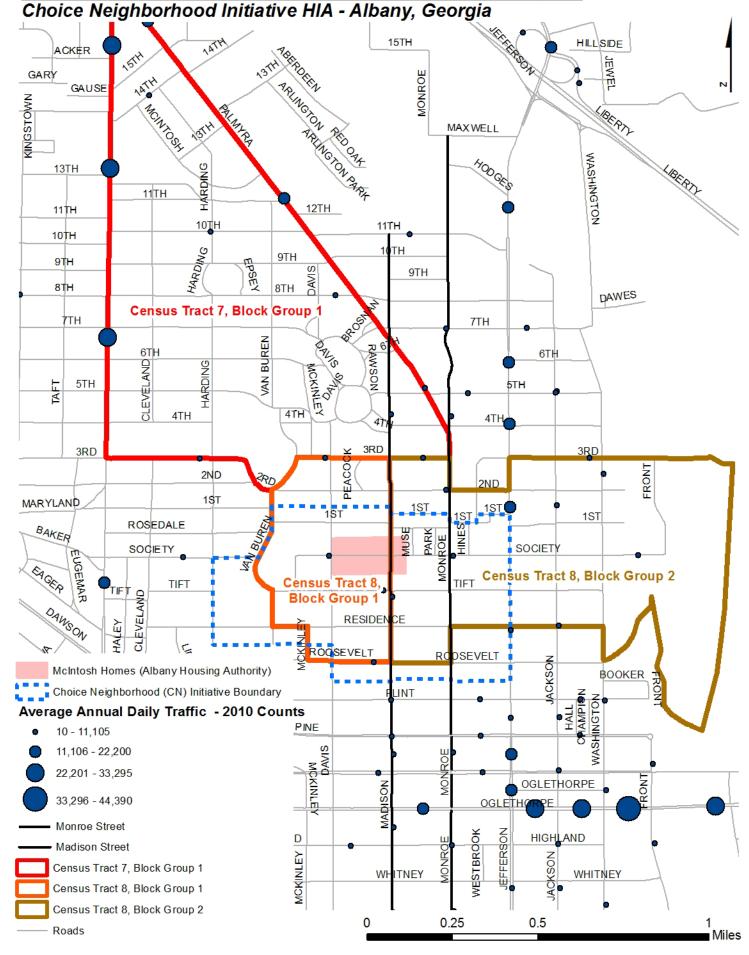


Note: For the above tables, percentages may not add up to 100% due to rounding. Yellow highlighting indicates underperformance in census tract 8 as compared to census tract 7

ASSESSMENT

Distribution of Traffic Activity

within the HIA Study Area Census Block Groups Choice Neighborhood Initiative HIA - Albany, Georgia



DE	TERMINANTS
•	Lack of healthy food options
	Lack of physical activity COMMENDATIONS
•	Incorporate a neighborhood community garden space in Plan
	Encourage mixed-use development including grocery stores
•	Development of additional non-profit community health facilities The Transformation Plan should include a mix of land uses to create walkable destinations which
	will encourage both utilitarian and recreational physical activity for neighborhood residents
	Create greater connectivity to existing trail system through pedestrian facilities and route signage Expand available greenspace, encourage pro-social places
•	Include active and passive recreation typologies in design of greenspace and pocket parks
)	Initiate joint use agreements with existing neighborhood facilities (i.e. schools) to encourage physical activity.
°0	TENTIAL OUTCOME
,	Improved access to healthy foods can aid in diabetes prevention and management.
,	Increased physical activity can reduce obesity and other conditions associated with diabetes risk.
EX	ISTING OPPORTUNITY FOR INTERVENTION
lig	her risk and occurrence of Asthma
)F	TERMINANTS
	Low SES Poor housing conditions
E	COMMENDATIONS
	Albany Housing Authority (AHA) should consider a smoke-free policy for their properties and
	restrict smoking in common areas, such as porches
	Demolition of the older AHA properties, including McIntosh Homes (and potentially the Golden Age development)
	Demolition of substandard housing stock
	Installation of moisture barriers and adequate ventilation Reduce the exposure of children and adults to environmental tobacco smoke from neighbors.
	Insulation, sound dampening and natural light in new housing design
0	TENTIAL OUTCOME
	Decreased asthma rates among residents due to improved building conditions, and removal or
	avoidance of asthma triggers. Reduction of indoor dampness or mold through construction techniques
	Reduction of environmental toxins by avoiding the use of cheap building materials such as low-
	formaldehyde plywood and vinyl wallpaper Multiallergen reduction through pest control to reduce cockroaches and dust mites
	Improvement of building conditions
Х	ISTING OPPORTUNITY FOR INTERVENTION
ra	ffic related injuries and fatalities
	-
)E1	TERMINANTS
	Speeding vehicles
E	Lack of cohesive system of pedestrian facilities COMMENDATIONS
)	Consider one-way to two-way street conversion Consider implementation of traffic calming measures
•	Encourage improvement of pedestrian facilities
0	Bicycle and pedestrian infrastructure TENTIAL OUTCOME
-	
	Traffic calming Pedestrian facilities
	Increased opportunities for physical activity
X	ISTING OPPORTUNITY FOR INTERVENTION
	Low socioeconomic status
	Low educational attainment High crime rates in neighborhood
	Decreased mental health for population due to neighborhood change (such as gentrification and
Ē	displacement) TERMINANTS
-1	
	Low educational attainment Unemployment
	Poor access to goods and services
	Poor access to healthcare Poor social support
EC	COMMENDATIONS
	Include a provision in the Transformation Dian for as many of the isbe greated by the new lard
	Include a provision in the Transformation Plan for as many of the jobs created by the new land uses and services (as feasible) to be filled by neighborhood residents
	The resident population should be encouraged and supported in efforts to seek/complete higher levels of education
	Regular maintenance of neighborhood conditions to avoid symbols of neglect and abandonment
	Incorporate urban design elements to reduce crime (lighting, neighborhood maintenance, etc.) Monitoring of displacement to mitigate gentrification impacts.
	Clear communication to existing residents describing potential housing changes
	Rehabilitation programs for displaced populations
	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and
	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and acceptability
	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and
0.	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and acceptability Development of additional non-profit community health facilities TENTIAL OUTCOME
	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and acceptability Development of additional non-profit community health facilities
	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and acceptability Development of additional non-profit community health facilities TENTIAL OUTCOME Higher socioeconomic status population, higher educational attainment Reduced rates of health conditions associated with lower socioeconomic status such as poor maternal health and birth outcomes
0	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and acceptability Development of additional non-profit community health facilities TENTIAL OUTCOME Higher socioeconomic status population, higher educational attainment Reduced rates of health conditions associated with lower socioeconomic status such as poor maternal health and birth outcomes Reduced disease burden
0.	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and acceptability Development of additional non-profit community health facilities TENTIAL OUTCOME Higher socioeconomic status population, higher educational attainment Reduced rates of health conditions associated with lower socioeconomic status such as poor maternal health and birth outcomes Reduced disease burden Reduced environmental stressors, mitigate risky behaviors that have negative health impacts. Reduced crime victimization
	Community participatory models for health intervention are particularly effective because they help to customize scientific knowledge to local cultural requirements, increasing their credibility and acceptability Development of additional non-profit community health facilities TENTIAL OUTCOME Higher socioeconomic status population, higher educational attainment Reduced rates of health conditions associated with lower socioeconomic status such as poor maternal health and birth outcomes Reduced disease burden Reduced environmental stressors, mitigate risky behaviors that have negative health impacts.

ISTING OPPORTUNITY FOR INTERVENTION

Higher risk and occurrence of diabetes

HIA Evaluation

Project, Pla Program or Po
HIA Process
Screening
Scoping
Appraisal
Recommenda
Disseminatio
Monitorin
Evaluatior
Decision an Implementat

population?

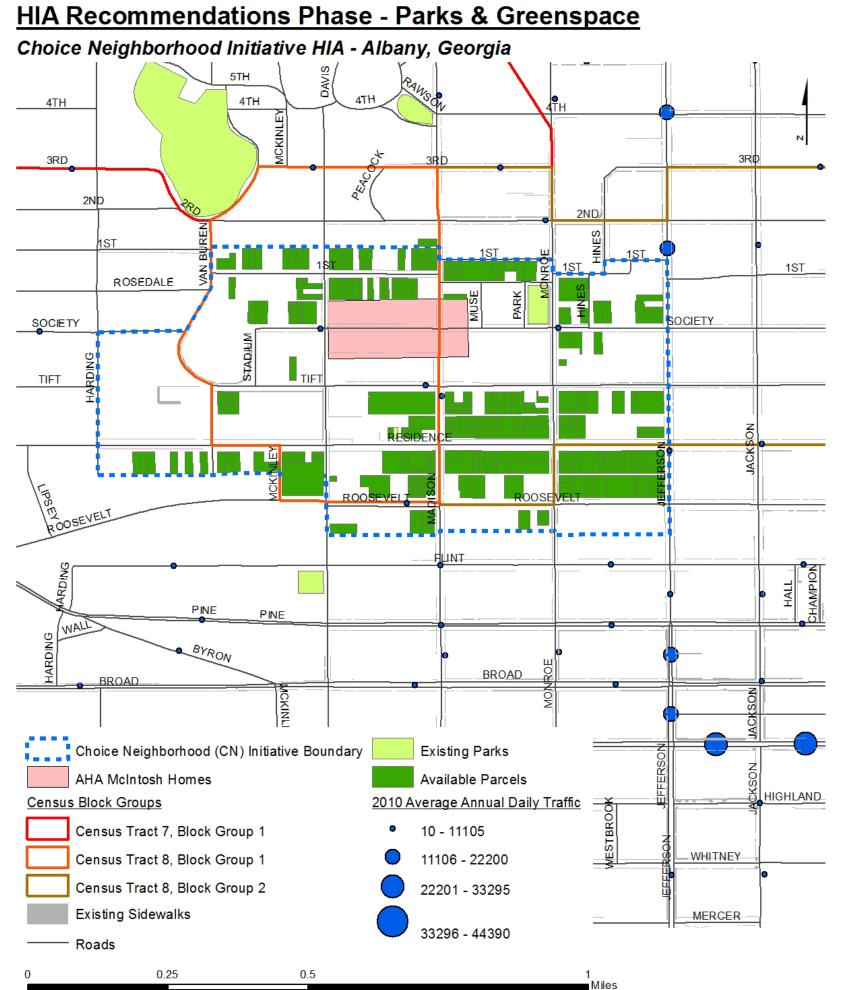
Timing and Extent of HIAs

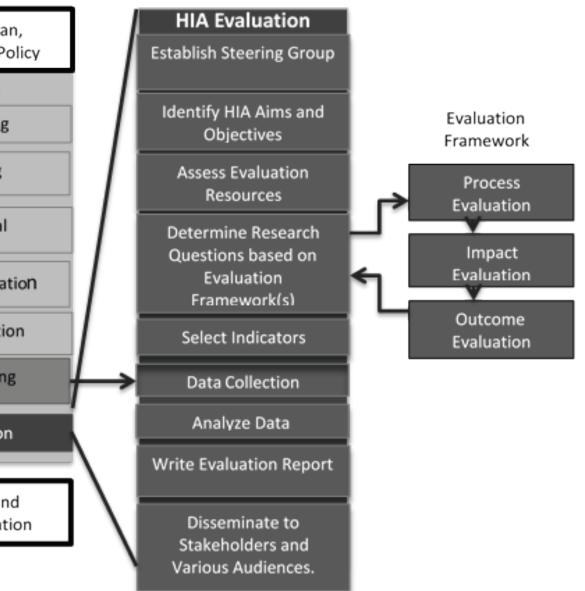
process.

Timing of Report

• The review process needs to be streamlined so that ongoing communication with the local project officials can continue, especially around discussions of recommendations

RECOMMENDATIONS





How was the HIA undertaken with regard to time, place and

Screening process was effective in identifying project

• The HIA was conducted over a three month period Officials preferred that the HIAs occur earlier in their planning processes to better integrate findings of the HIA into the planning

Role of Local Partners in the HIA

• The planning team and public officials were very actively involved and were highly enthusiastic about the HIA process. Additional partnerships built between the HIA team, local stakeholders, and local Department of Health officials.

Participation of Community Stakeholders

 Residents participated extensively around issues of health. Interviewees felt that the participation process design was well organized given the three month time horizon.

• Interviewees felt that the process educated the community Phoebe Putney Hospital's involvement increased significantly because of HIA.

What resources were used and what was the cost?

Interviewees agreed that resources were efficiently used and the recommendations were very good.

How were recommendations formulated and prioritized?

• More interaction between the HIA team and the local planners and officials would have strengthened the process.

How and when were the recommendations delivered to decision makers?

Results and recommendations delivered to decision-makers through discussions, presentations and formal reports.

• HIA training course conducted by CQGRD prior to the initiation of the HIAs was seen as very valuable.

Did the HIA provide useful information to the policy-making process?

The HIA was seen by Albany officials as a significant learning opportunity for the interconnections between health and built environment.

• The HIA process also raised awareness within the local Department of Health as to the importance of the Choice

Neighborhood project and its potential implications for health. • Recommendations could have been more fully developed to include both short term goals (often with a more social intervention perspective) and long term goals (often with a more physical intervention perspective).

The HIA had significant synergy with the US Department of Housing and Urban Development's programmatic focus and helped leverage federal funds.

• The HIA helped reinforce understanding of the negative impact of one-way streets on health and well-being, and on community cohesiveness.

The HIA helped introduce a ban on smoking in public housing.



HIA Recommendations Phase - Parks & Greenspace Choice Neighborhood Initiative HIA - Albany, Georgia PHLEMA 17TH <u>ACKER</u> MAXWE SOCIETY Choice Neighborhood (CN) Initiative Boundary Existing Substandard and Vacant Parcels City of Albany Vacant AHA McIntosh Homes <u>Census Block Groups</u> Vacant Parcels/Structures Census Tract 7, Block Group Foreclosed Properties Census Tract 8, Block Group Tax Delinguent Properties Census Tract 8, Block Group 2 Code Enforcement Violations —— Roads Existing Parks