Active Transportation Working Group

April 12, 2016

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS
50 YEARS

Agenda

- Cycle 3 Regional Guidelines
- Go Human Update – Events
- Go Human Update – Toolkits and Trainings
- Health and Economic Impact Study Preliminary Results
- Active Transportation Leadership Symposium
- Regional Updates

2017 Active Transportation Program Regional Guidelines

April 12, 2016

Stephen Patchan

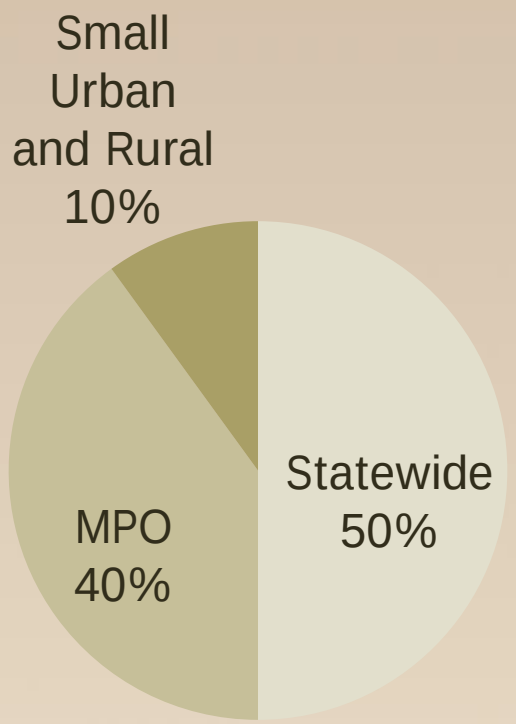
Active Transportation & Special Programs

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

50 YEARS

Active Transportation Program

- 3 Funding Programs
- Cycle 3 total funds=~$240 M
- Funding Breakdown:



SCAG Regional Program

- $50 million
- Fiscal Years 2019-2020, 2020-2021

Active Transportation Program Goals

- Increase trips by biking and walking.
- Increase the safety
- Achieve greenhouse gas reduction goals
- Enhance public health
- Ensure disadvantaged communities fully share in benefits
- Provide a broad spectrum of projects

Eligible Projects

Planning

Community-wide plans that benefit disadvantaged communities

Non-Infrastructure

Education

Encouragement

Enforcement

Infrastructure

Bike Lanes

Cycle Tracks

Crosswalks

Etc...

Cycle 1, 2 Approach

- SCAG deferred to state application and evaluation process
  - 1 application for all categories
- No Supplemental Call
- Population-based funding targets
- County Transportation Commissions supplemented state scores
- 3-5% Set Aside for Planning Projects

Cycle 3: Key Issues

- Alignment of process with regional and countywide plans
- Application complexity
- "One-size-fits all" application
- 50%+ SCAG jurisdictions don't have plans
- Significant Delay in Funding Availability (July 2019)

Alternative Approach

- Use CTC application/project selection for Capital Projects (No change from Cycle 1,2)
- Issue Supplemental Call for Projects for "Planning" and "Non-infrastructure" projects
- Make supplemental applications simple to encourage greater participation
- Incorporate population-based funding targets
- < 10% funds Planning and Non-Infrastructure
- Explore opportunities to supplement Planning funds to expand eligibility to all communities

Complementary Activities

Legislative Proposal

- Project sponsors may initiate project in advance of programming year
- Seek reimbursement after allocation

Sustainability Call for Projects

- Exploring synergies between programs

Guideline Development Process

- Statewide Guidelines Approved – March 17
- Outreach – April
  - County Transportation Committee Working Group
  - TC update
  - Active Transportation Working Group
  - Technical Working Group
- Staff Recommendation to RC – May 5
- County Transportation Commission CEO approval—May
- RC Approval – June 2
- California Transp Commission adoption – June

Contact Information

Stephen Patchan

Patchan@scag.ca.gov

213-236-1923

Southern California Active Transportation Safety & Encouragement Campaign

gohuman
GoHumanSoCal.org

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Open Streets & Demonstration Projects

- Re-imagine streets for walking and biking
- 17 cities selected to host events

Updated Schedule

Upcoming Events!

- City of Palm Desert - May 7, 2016
- City of Los Angeles- Southeast Cities CicLAvia May 15, 2016
- City of Westminster - May 21, 2016
- City of Fontana – July 30, 2016

Phase 2 October 2016 (Walktober):

- City of Riverside
- City of Rialto
- OC Loop
- City of Brea
- City of Garden Grove
- City of Cudahy
- City of Long Beach

Phase 3 May 2017 (Bike Month):

- City of Fullerton
- City of Rancho Cucamonga

Nuestra Avenida:
Cesar Chavez Re-Imagined

Open Streets & Demonstration Projects

Open Streets & Demonstration Projects

Get Involved!

More information:

Open Streets & Temporary Events

Stephen Patchan

lippe-klein@scag.ca.gov

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go human

Targeted Toolkits & Training

Active Transportation Working Group

April 12, 2016

Overview

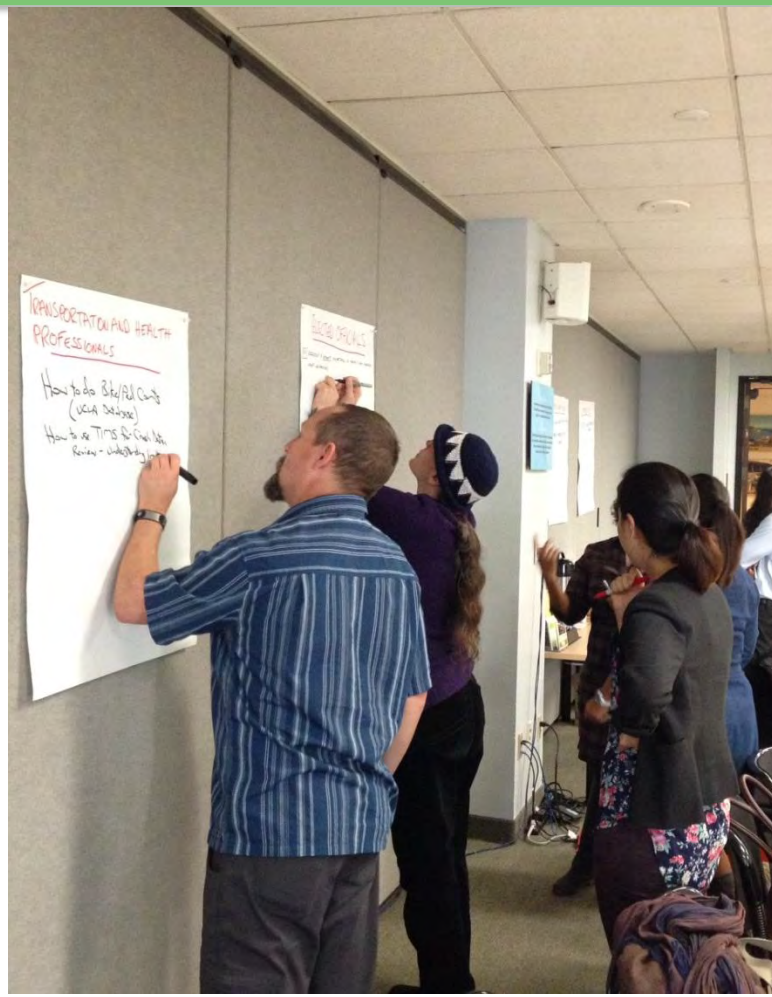
- Project Update
- Go Human Toolbox
  - Approach and Framework
  - Elected Officials Toolkit
  - Case Studies Request
  - Next Steps
- Toolkits Training
  - Approach
  - Upcoming Survey
- Q & A

Project Summary: Refresher

- **Purpose**: create and empower local champions to lead education and encouragement programs in their communities
- **Approach**: identify strategies, messaging and resources to enable that leadership
- **Deliverables**: a toolkit and training sessions for each of the four target audiences

Project Update

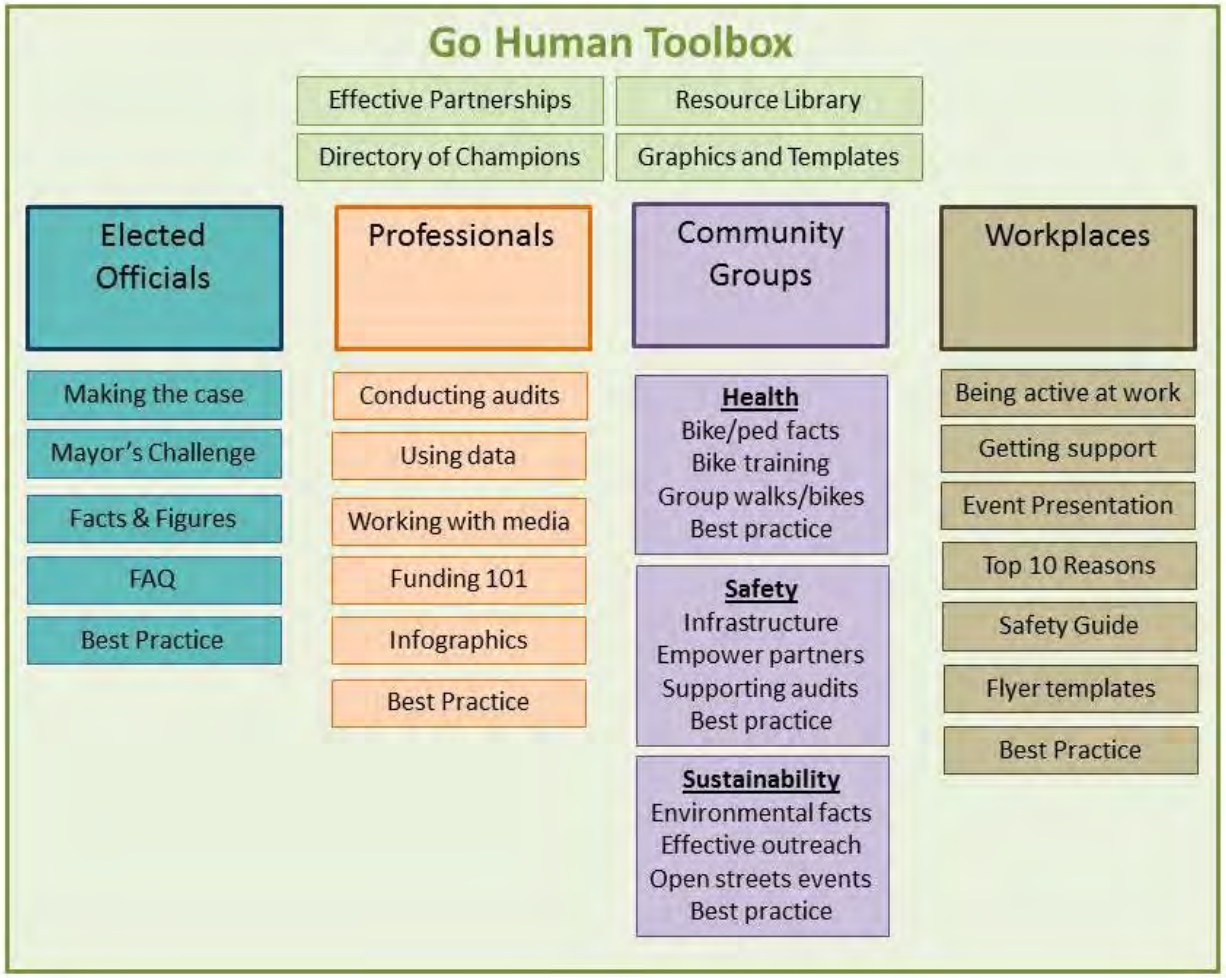
- Completed literature review and research for materials and resources
- Completed four User Group Panels for each audience: Elected Officials, Professionals, Community Groups, and Workplaces
- Completed a workshop for transportation and health advocacy groups
- Developed a ‘Toolbox’ framework and narrative for each audience-specific toolkit
- Completed first draft of Elected Officials Toolkit



Project Update: Schedule

Nov-Dec 2015	Planning & Stakeholder Identification
Jan-Apr 2016	Targeted Training Strategy & Toolkits Planning
May-Jun 2016	Release of Targeted Toolkits & Training Activities
Jul-Aug 2016	Monitoring, Effectiveness & Final Reporting

Go Human Toolkit: Approach



- Key Toolbox themes:
  - Why is active transportation important?
  - What is Go Human?
  - What is the purpose of the Toolbox?
  - What is in the Toolbox?

Go Human Toolkit: Narratives

- Elected Officials
  - Increasing quality of life through active transportation
- Professionals
  - Information is the key to successful projects
- Community Groups
  - Active communities increase livability
- Workplaces
  - The business case for healthy companies

Elected Officials Toolkit

- Toolkit resources:
  - Making the Case for Active Transportation
  - The Mayor's Challenge for Safer People, Safer Streets
  - Quick Facts and Figures
  - Active Transportation FAQ
  - Best Practices: Bike Friendly Long Beach, Santa Ana Partnerships for Funding, SGV Bike Master Plan, NYC Streets for Seniors.

Case Studies

- Seeking a few more best practice case studies, specifically:
  - Complete streets application within circulation element (and project implementation if possible)
  - Law enforcement partnership to promote walk/bike safety
  - Infrastructure project where the media was used to successfully raise awareness and positive sentiment in the community
  - Smaller employer (25-100 staff) commuter program
  - Case studies from Ventura, San Bernardino and Imperial Counties

Next Steps

Completing the draft toolkits and graphic design (Apr-May)

Seeking toolkit feedback and training input via a survey and User Panel (Apr-May)

Delivering Elected Officials training (May 4) and planning other trainings (May-Jun)

Toolkits Training: Approach

- Deliver one in-person training in each County across Professionals, Community Groups, and Workplaces audiences (x6 total)

- Deliver up to four remote training sessions (potentially webinar) on specific topics such as creating effective partnerships, using data, effective engagement, or open streets events.

- Look for opportunities to partner with existing events (e.g. tactical urbanism or Great Streets events, conferences, regional meetings)

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Questions?

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Geoff England
Associate

Los Angeles
523 West 6th Street
Suite 741
Los Angeles, CA 90014
USA

d. +1 213 425 0943
m. +1 213 215 3414
geoff.england@sdgworld.net

na.steerdaviesgleave.com

Questions for the Working Group

- Do you have any comments or concerns with the audience-specific narratives?
- Do you have any suggestions for additional case studies
  - Re: Complete streets, law enforcement partnership, media engagement, smaller employer commuter program
  - Case studies from Ventura, San Bernardino and Imperial Counties
- Do you have any comments regarding the approach to training?
  - Combined training in each County, separate training region-wide
- Do you have any suggestions for events we could partner training with?

Active Transportation Health and Economic Impact Study

Contract No. 15-018-C1

Preliminary Results Prepared for SCAG – Active Transportation Working Group

Dr. Nicole Iroz-Elardo, Project Manager
Urban Design 4 Health
April 12, 2016

URBAN DESIGN 4 HEALTH

AECOM

Goal

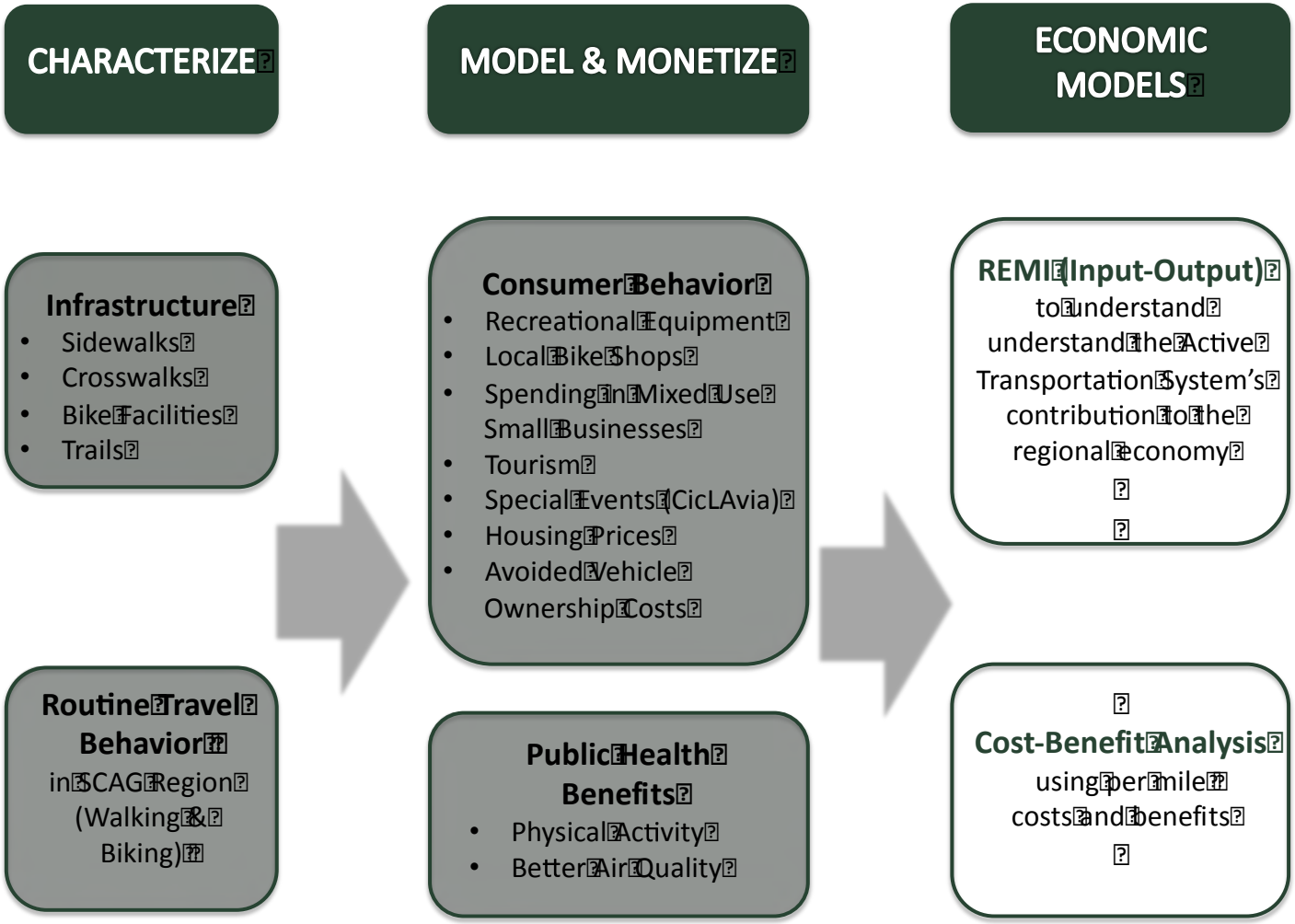
Goal: **Estimate current annual** public health, transportation and economic **costs and benefits of bicycling and walking** on the SCAG region's economy

Key Elements:

- Build from evidence and best practices
- Use local data when available
- Identify appropriate non-local data when needed
- Develop a study process for use by local partners
- Monetize previously modeled health benefits of RTP/SCS

Timeline: Summer 2015 – May 2016

Conceptual Model



Status

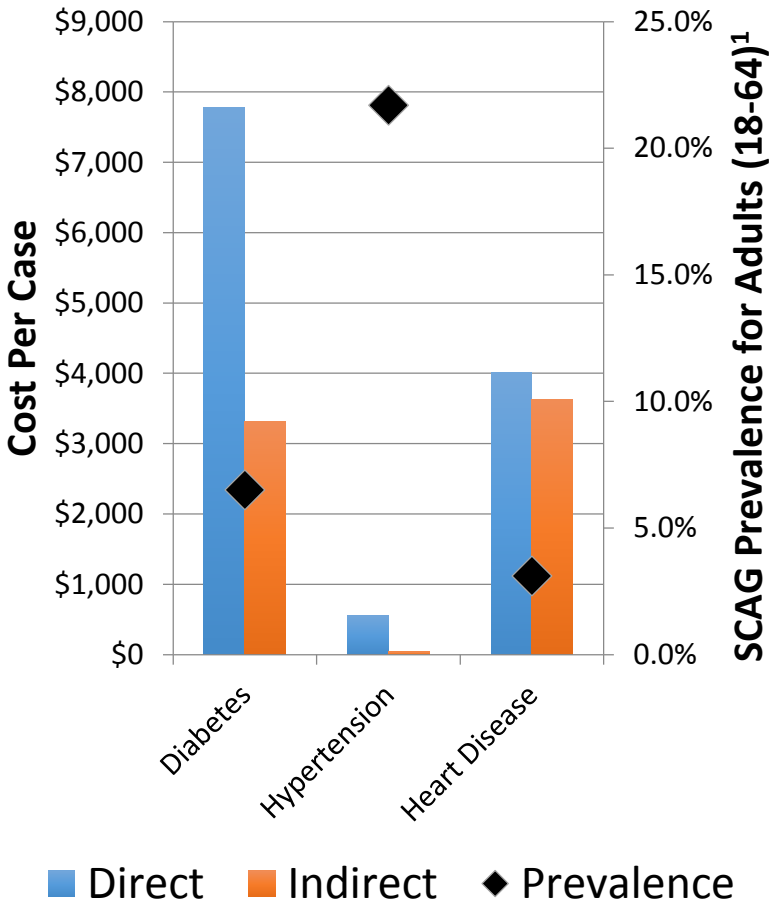
- Task 1: Project Management
- Task 2: Public Outreach
- Task 3: Data Collection & Approach
- **Task 4: Transportation Cost Analysis**
  - ***finalizing***
- **Task 5: Health Benefits**
  - ***5a: Monetizing Active Transportation infrastructure – finalizing***
  - ***5b: Draft RTP/SCS – finished***
- **Task 6: Economic Benefits**
  - *Run through REMI – in process*
- Task 7: Final Report

Understanding Cost of Illness (COI)

Task 5: Cost of Illness – What is it?

Type	Description
➢Direct	• Money exchanged for healthcare (doctor visits & hospitals) and pharmaceuticals
➢Indirect	• Absenteeism, reduced productivity, early disability • In some studies, early death • Does NOT include pain and suffering

Task 5: Annual Cost of Illness



Health Outcome	Per Case (2011$)	
	Direct	Indirect
Diabetes	$7,774[2,4]	$3,311[2,4]
Hypertension	$551[3]	$44[3]
Heart Disease	$4,005[3]	$3,633[3]

[1] 2012 California Health Interview Survey – Combined results for Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties; Counts as reported by California Health Interview Survey with a reported 11,660,000 adults ages 18-64.

[2] American Diabetes Association (2013)

[3] Mozaffarian et al (2015). Note hypertension was limited to cases without other types of heart disease, and is therefore additive with minimal double counting.

[4] California specific estimate

Task 5: Calculating Annual Regional Cost

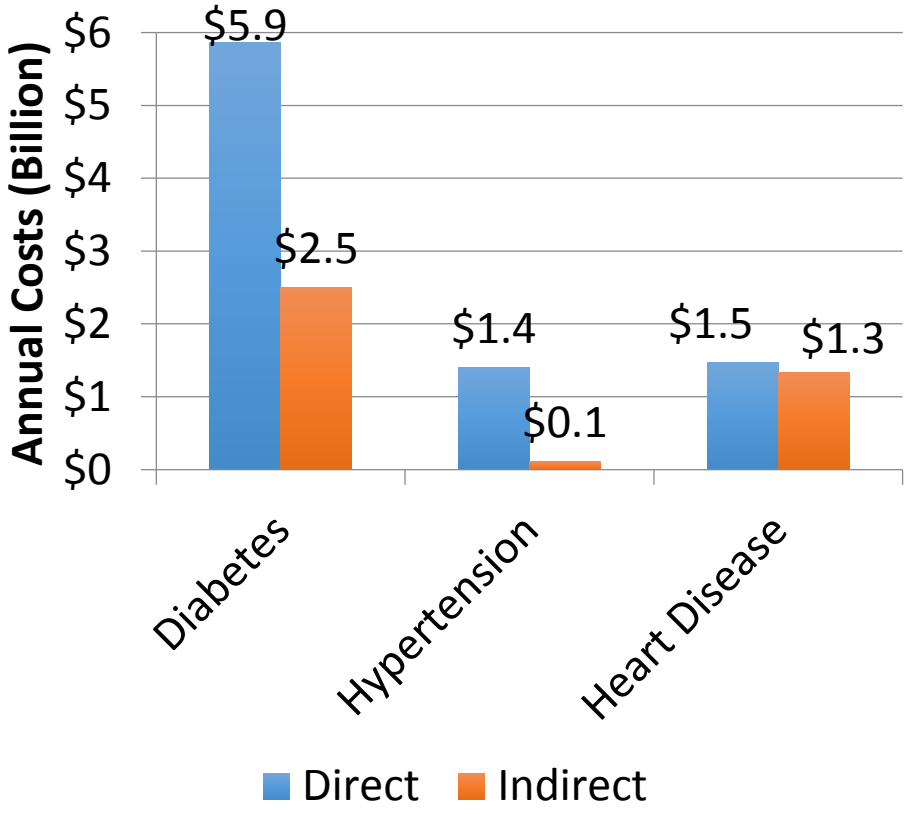
(# of cases) x COI = SCAG Annual Cost

Example: Diabetes

6.5% Prevalence (18-64 years) = 754,000 cases

Direct:	754,000 x $7774	= $5.861 billion
Indirect:	754,000 x $3,311	= $2.497 billion
Total:		**= $8.358 billion**

Task 5: What is the current annual economic drag on SCAG's economy from ill 18-64 year olds?



Total Annual Regional Costs
(18-64 Year Olds)

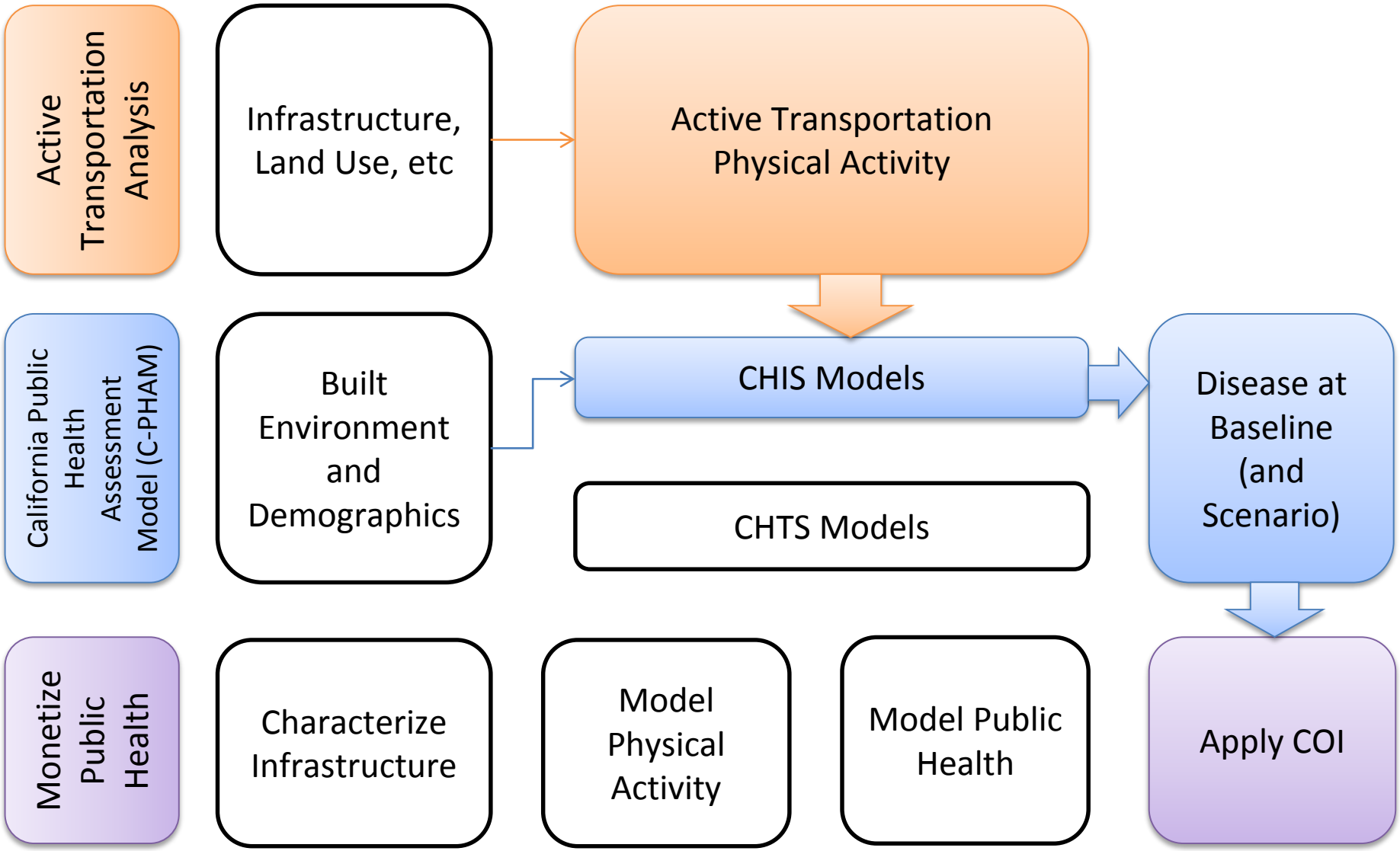
Direct:	$10.4 billion
Indirect:	$.8 billion
Total:	**$12.7 billion**

UD4H URBAN DESIGN 4 HEALTH AECOM

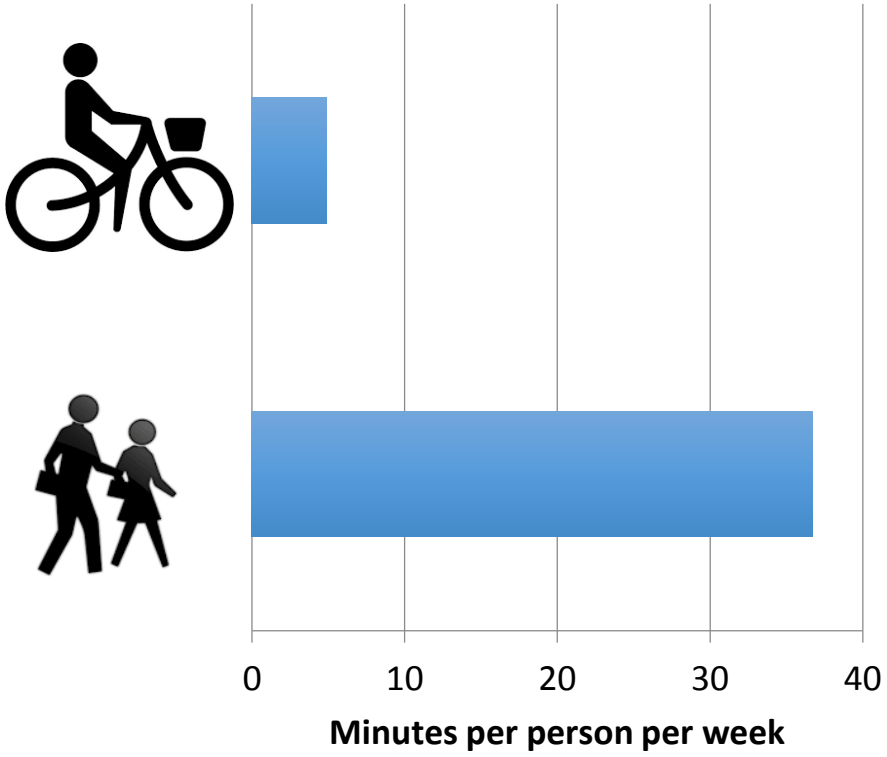
Example #1:

Monetizing Active Transportation Infrastructure

What are the economic benefits from physical activity due to our current active transportation network?


Active Transportation Analysis
Infrastructure, Land Use, etc
Active Transportation Physical Activity
California Public Health Assessment Model (C-PHAM)
Built Environment and Demographics
CHIS Models
CHTS Models
Disease at Baseline (and Scenario)
Monetize Public Health
Characterize Infrastructure
Model Physical Activity
Model Public Health
Apply COI

Task 5: Current Levels of Active Travel



% of Active Travel Min Attributable to Infrastructure	Minutes per person per week from	
	Walk for Travel	Biking (Moderate PA)
0%	-	-
25%	9.18	1.22
40%	14.69	1.95
50%	18.36	2.44
60%	22.04	2.92
75%	27.55	3.65
100%	36.73	4.87

Task 5: Physical Activity Benefit of Active Transportation Infrastructure

% of Active Travel Minutes Attributable to Infrastructure	Difference in Prevalence		
	Hypertension (21.7%)	Heart Disease (3.1%)	Diabetes (6.5%)
0%	-	-	-
25%	0.25%	0.03%	0.06%
40%	0.44%	0.04%	0.10%
50%	0.60%	0.06%	0.14%
60%	0.80%	0.08%	0.18%
75%	1.21%	0.12%	0.28%
100%	4.71%	0.48%	1.18%

Task 5: Annual Monetized Physical Activity Benefit of Active Transportation Infrastructure

SCAG Region Health Benefits (millions, 2011$) for Adults, ages 18+

	Direct (Avoided Healthcare Expenditures)	**Indirect** (Avoided Lost Productivity)	**Total**
Diabetes	$149	$631	$212
Hypertension	$46	$4	$50
Heart Disease	$34	$31	$64
Total	$228	$98	$326

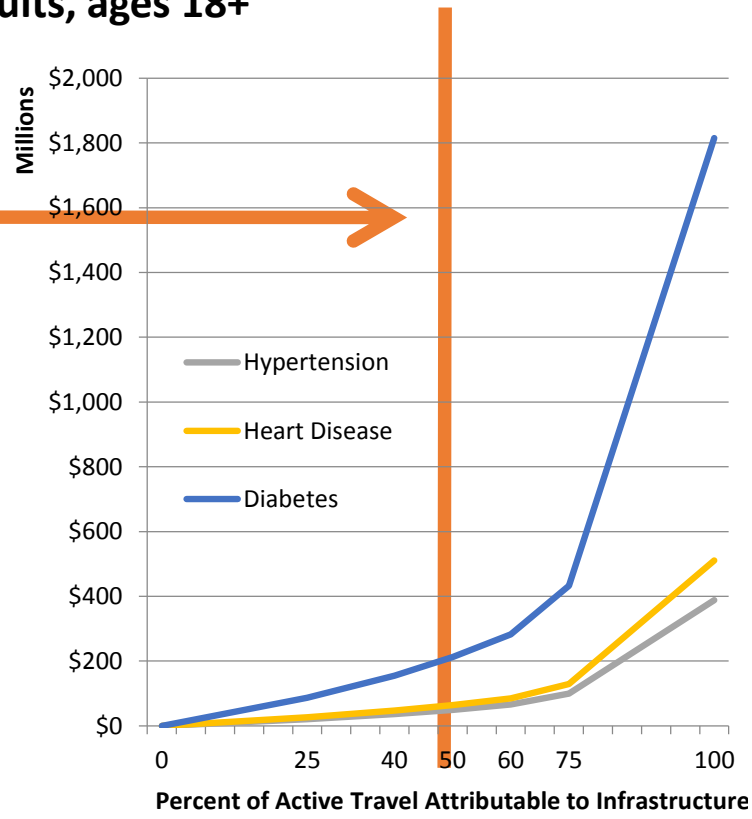


Table assumes that the last 50% of active travel minutes is attributable to infrastructure. Graph shows differences as that attributable to infrastructure assumption changes.

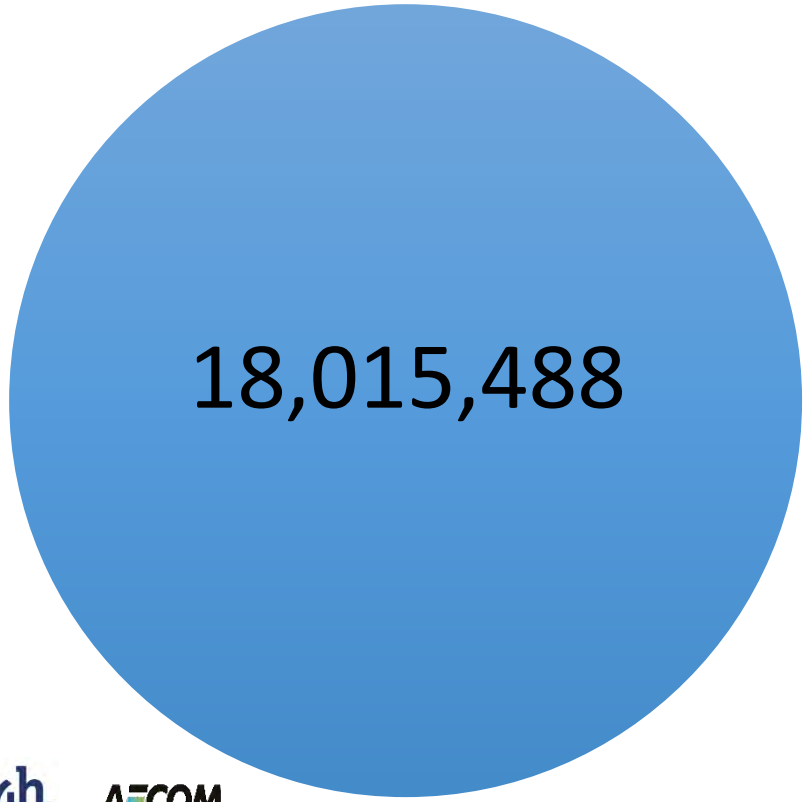
DRAFT ANALYSIS. DO NOT CITE

Example #2:

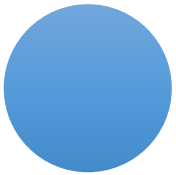
Monetizing Physical Activity from Implementing SCAG's 2016 RTP/SCS

Task 5: Initial Physical Activity Estimate for the 2016 RTP/SCS Outcomes

Existing Population



New Population



3,764,000

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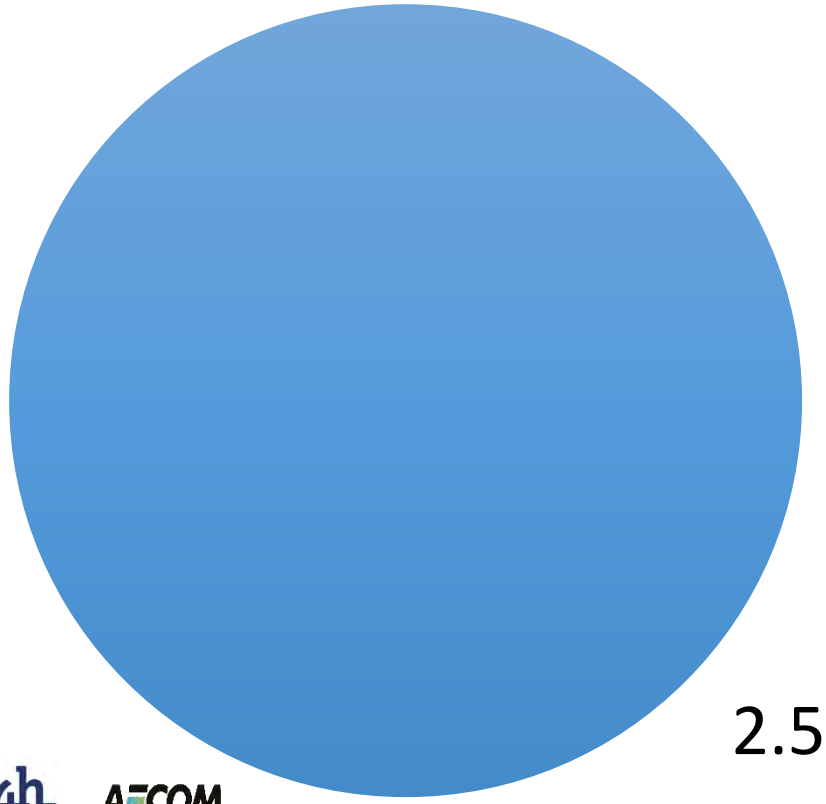
Task 5: Population Included

Existing Population



New Population

2.56 million adults
ages 18-64

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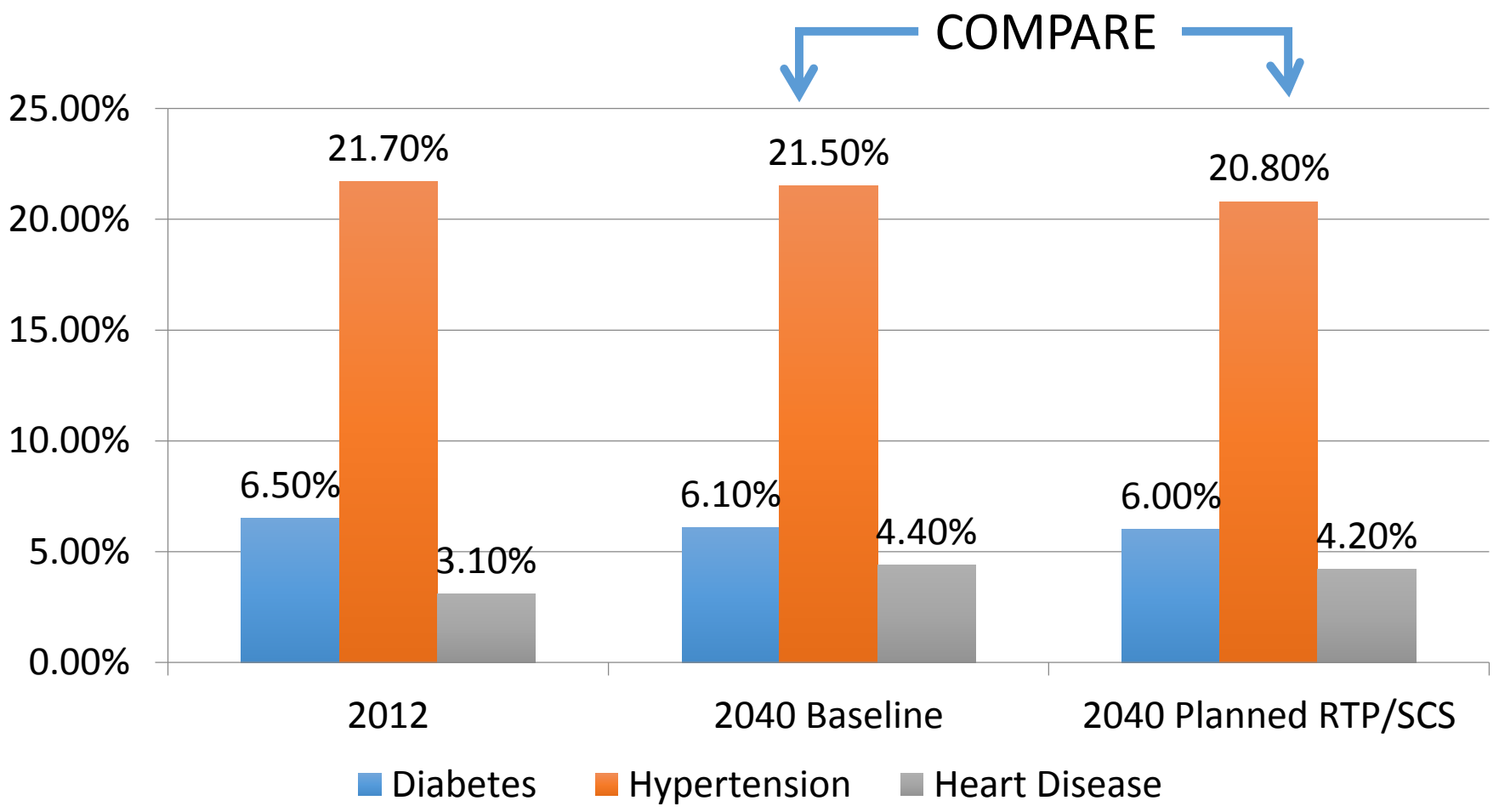
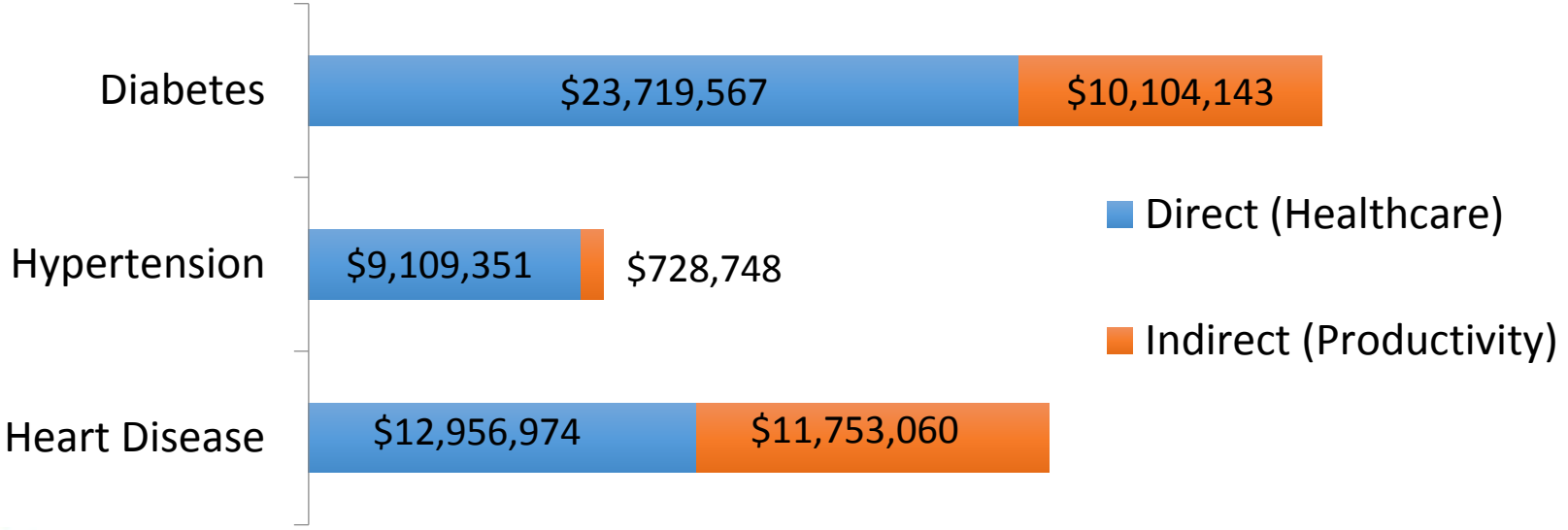
Task 5: Predicting 2040 Prevalence Rates



Results apply to the 2.5 million additional adults ages 18-64 who live in areas with built environment change.

Task 5: Annual Expected Physical Activity Savings in 2040 from Implementing the Plan

Health Outcome	Avoided Cases	Annual Savings at Full Implementation	
		Total (Direct + Indirect)	Per Capita
Diabetes	3,051	$33,823,709	$13.22
Hypertension	16,525	$9,838,099	$3.85
Heart Disease	3,235	$24,710,034	$9.66
Total		**$65,370,700**	**$25.56**



Results apply to the 2.5 million additional adults ages 18-64 who live in areas with built environment change.

Task 5: Summary

- This is just the physical activity healthcare portion of active transportation
- Active Transportation is a good deal
  - ~ $326 million annually in current health benefits of AT system
  - ~$400-500 million annually in current AT system spending
  - ~ 2016 RTP/SCS AT will result in nearly an additional $1 billion in savings over the lifetime of the plan
- These are conservative estimates
  - Assumption about infrastructure minutes being last AT minutes added
  - Not capturing stroke, cancer and other morbidities
  - Only applied to the new residents of the SCAG region, existing residents will also benefit
  - Only applied to the adult population

Task 5: Next Steps

- Also looking at
  - Events
  - Consumer savings
  - Induced demand (consumption, employment)
- Next steps:
  - Local Methodology
  - Final Report

- Urban Design 4 Health
  - National firm specializing in interactions between land use, built environment, transportation, air quality, behavior and public health.
  - Leader in the translation of evidence on built environment and health relationships into decision support tools
  - www.ud4h.com

- AECOM Technical Services
  - Extensive experience modeling transportation investments, economic development, real estate, tourism and culture, and sustainable development.
  - www.aecom.com

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Leadership Symposium

- Training for Elected Officials
  - How to support active transportation efforts in your city
  - Tools and resources for communicating the benefits of active transportation
- Site Visit to Palm Desert Demonstration Project

Leadership Symposium

- May 4th at 11:30 am for elected officials

- RSVP with Alek Bartrosouf bartrosouf@scag.ca.gov or (213) 236-1884

Regional Updates

- Have a project, plan or event you'd like to share?