



## Moving toward implementation: The potential for accountable care organizations and private–public partnerships to advance active neighborhood design <sup>☆</sup>



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### ARTICLE INFO

Available online 10 August 2014

#### Keywords:

Accountable care organizations  
Patient Protection and Affordable Care Act  
Communities  
Environment  
Public health

### ABSTRACT

The 2010 Affordable Care Act's (ACA) aims of lowering costs and improving quality of care will renew focus on preventive health strategies. This coincides with a trend in medicine to reconsider population health approaches as part of the standard curriculum. This intersection of new policy and educational climates presents a unique opportunity to reconsider traditional healthcare structures. This paper introduces and advances an alignment that few have considered. We propose that accountable care organizations (ACOs), which are expected to proliferate under the ACA, present the best opportunity to establish partnerships between healthcare, public health, and community-based organizations to achieve the legislation's goals. One example is encouraging daily physical activity via built environment interventions and programs, which is recommended by numerous groups. We highlight how nonprofit organizations in Sacramento, California have been able to leverage influence, capital, and policy to encourage design for active living, and how their work is coordinating with public health and healthcare initiatives. In conclusion, we critically examine potential barriers to the success of partnerships between ACOs and community organizations and encourage further exploration and evaluation.

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### Introduction

As defined by the American Academy of Family Physicians, an accountable care organization (ACO) is a “group of health care providers who agree to share responsibility for the quality, cost, and coordination of care for a defined population of patients” ([American Academy of Family Physicians, 2014](#)). Patients who join an ACO are assured that once they pay their fixed fee, the organization will provide all of the outpatient and inpatient care they need, with all healthcare parties sharing savings ([Berwick, 2011](#); [Calman et al., 2012](#)). As the Affordable Care Act (ACA) unfolds, ACOs are expected to proliferate. The model,

which incentivizes health maintenance rather than healthcare provision through a system of reimbursements and penalties, is a logical outgrowth of health reform measures designed to improve patient outcomes and reduce costs.

ACOs now number more than 400, covering four million Medicare enrollees and millions more people with private insurance ([Lowrey, 2013](#)). While ACO structures may vary, they are most often anchored by one or multiple hospitals and encompass physician practices. Many have looked to Geisinger Health and Kaiser as longstanding integrated ACO-type models of health care delivery. Some ACOs have also partnered with corporations such as Walgreen's pharmacies ([Gamble and Punke, 2013](#)). While early data on ACO model style healthcare shows significant reductions in costly inpatient care, for a nationwide savings of almost \$400 million in 2012, lack of precedent structures has left the model at a crossroads ([Muhlestein, 2013](#); [US Department of Health and Human Services, 2014](#); [York et al., 2014](#)). As hospital

<sup>☆</sup> This paper was not funded or sponsored by any party.

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administrators and insurance companies grapple with the new healthcare landscape, we suggest that future ACOs look toward the community development sector, particularly those groups focused on active living, to reinvigorate the model and improve community health outcomes.

### The economics of ACOs

Under the ACA, doctors and hospitals, traditionally paid for healthcare rendered regardless of the outcomes, now face more financial accountability for patients (McClellan et al., 2010). Hospitals with lower readmission rates are eligible for larger reimbursements from the pool; higher subject them to penalty. Medicare has already introduced a version of this reimbursement system under the Medicare Spending Per Beneficiary (MSPB) metric (Chen and Ackerly, 2014). This model is a dramatic departure from traditional fee-for-service medicine, in which physicians and hospitals earn more for seeing more patients and doing more procedures (Shortell et al., 2010).

For the ACA and ACOs to be successful, they will have to focus primarily on preventive care for chronic disease, which now accounts for 75% of the nation's healthcare spending (Robert Wood Johnson Foundation, 2014). For example, a consumer with chronic obstructive pulmonary disease can reduce his or her risk of pneumonia if he or she is supported in efforts to quit smoking and start an exercise regimen. However, patients require support outside the doctor's office for successful outcomes, particularly when it comes to changing lifestyle behaviors. Practitioners can look to some non-ACO integrated models as precedent and for proven results. In 2013, Kaiser Permanente was able to reduce the average days per beneficiary in post-acute facilities to 30% of the days Medicare would normally pay for by emphasizing preventive care upfront, aided by programs such as a 7-week Self-Management Program for chronic disease patients and their families, developing preventive care apps, and community programs such as the HEAL initiative, discussed in more detail below (Davidson, 2013; Lorig et al., 2001).

### Expanded realms of health

The ACA is also strongly enforcing nonprofit hospitals' obligation to provide community benefits, which usually consist of community needs assessments but can also include health improvement activities and support of community-based organizations (CBOs) (Rosenbaum et al., 2013). This comes at a time where urban planning, design, and transportation decisions are increasingly acknowledged as having a tremendous impact on a wide range of public health issues, including air and water quality, traffic safety, mental health, and social justice (Dannenberg et al., 2011; Jackson et al., 2013), although interventions in these arenas are often overlooked by the healthcare sector. ACO structures are in a unique position to bridge between these built environment-focused fields and the healthcare community, as the ACA incentivizes upstream prevention practices (Evans, 2013). As ACOs gain more market share, they will cover wider geographic areas. Community development initiatives to encourage active living such as increasing green spaces, sidewalk and complete street improvements, pedestrian safety measures and tree planting are all types of infrastructural improvements that benefit the population as a whole.

The public health sector has traditionally been underfunded or at worst neglected. Federal dollars funneled into public health programs have in large part been directed toward clinical care of the disadvantaged, not toward population-oriented efforts to prevent disease or promote health (Bovbjerg et al., 2011). To address these issues, Congress ensured that the federal healthcare reform law included public health investments and incentives for a shift in focus. By expanding insurance coverage to more people, the public health sector can focus less on clinical care and more on community-based prevention efforts. Part of the first two years' \$1.25 billion investment will be in the form of grant

awards to demonstrate the effectiveness of varying initiatives to improve diet and physical activity to reduce the incidence of and complications from chronic conditions such as diabetes and heart disease (Bovbjerg et al., 2011). The increasing amount of money dedicated to these initiatives as well as the fundraising power of CBOs, as discussed below, is a yet untapped resource for ACOs.

### Partnering for public health

The Chronic Care Model (Bodenheimer et al., 2002) is a widely utilized framework for integrating different clinical teams to deliver daily care for chronic disease patients. A successful CCM intervention promotes changes in six areas: self-management support, decision support, delivery system design, clinical information systems, health care organization, and community resources (Coleman et al., 2009). Changes to neighborhood infrastructure and programs to promote active design not only fall in the community resources sector, but also assist with decision support. The newness of ACO structures can be beneficial in forming partnerships between health organizations and community organizations, recognizing that there are often geographic overlaps between high areas of need for both health and development (Berwick, 2011). Alignments of public health departments with local government planning agencies, CBOs, and private sector organizations will be key for public health and ACO personnel to learn about managing and making tradeoffs, while the private sector can learn to appreciate the importance of public health and its relevance for their professional goals (Bovbjerg et al., 2011).

We see a great potential for the ACA and ACOs to stimulate health innovations in the realm of active living. While this is an area heretofore unexplored by these initiatives, we suggest that they look to the following three examples to expand their scope, which remains somewhat narrow.

- 1) CBO and Public Health partnerships: Acting on research on the role of walkable neighborhoods on physical activity and health (Ewing et al., 2003; Frank, 2006; Heath et al., 2006; Let's Move, 2010; Mozaffarian et al., 2012; The National Physical Activity Plan Alliance, 2010), Sacramento County's public health and community development departments, along with the air quality district, park departments, private sector and several non-profits have partnered to implement healthy design initiatives. Design 4 Active Sacramento (D4AS), a cross-sector CBO composed of planners, designers, engineers, public health officials, and medical professionals, has implemented healthy design standards into the county's planning policies, development codes, and design guidelines. Sacramento County's public health officer, a member of D4AS, engaged with 18 recreation and park agencies for a "park prescriptions" program, in which residents are given written prescriptions to spend 30 min five days a week in local parks walking or participating in an activity of their choice. The public health department's partnership with the Sierra Sacramento Valley Medical Society has led to "Walk with a Doc" events, where physicians give short health talks in different park locations, and lead groups on strolls (Sierra Sacramento Valley Medical Society, 2014). Another CBO, WALKSacramento works to build awareness of safe and walkable design, reviews plans, and runs Safe Routes to School programs (WALKSacramento, 2014).
- 2) Broader interpretations of the Community Benefit Initiative: In South Sacramento, Kaiser Permanente funded a three-year Healthy Eating Active Living (HEAL) Zone initiative in a low-income neighborhood near their hospital. HEAL is coordinated by the CBO Health Education Council and has numerous partners including WALKSacramento, and the City and County of Sacramento. It is funded by Kaiser's own Community Benefit Initiative. While hard data has been difficult to compile due to the nature of the interventions, qualitative follow-up has shown improvements in increased

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