This publication was developed by the Riverside University Health System - Public Health. Thank you to the contributors: Michael Osur, MBA, Miguel Vazquez, AICP, Salomeh Wagaw, MPH.

Suggested Citation: Riverside University Health System - Public Health. Healthy Development Checklist, 2017.

(Last updated 4/2/2018)
The Healthy Development Checklist was commissioned by the Riverside University Health System - Public Health and produced by Raimi + Associates.

The project was funded with a BEYOND grant from the Western Riverside Council of Governments and produced in collaboration with the San Bernardino Council of Governments and San Bernardino County Department of Public Health.

We wish to thank the following organizations and individuals for providing their valuable feedback on this checklist:

- American Planning Association, California Chapter, Inland Empire Section - John Hildebrand
- California Baptist University - Marshare Penny
- ChangeLab Solutions - Eric Calloway
- City of Coachella - Louis Lopez
- City of Rancho Cucamonga - John Gillison
- City of Jurupa Valley - Laura Roughton
- City of Palm Desert - Lauri Aylaian & Ryan Stendell
- City of Riverside - Al Zelinka
- City of Victorville - Michael Szarzynski
- Claremont Graduate School - Kimberly Morones
- Coachella Valley Association of Governments - LeGrand Velez
- Health Assessment and Research for Communities - Jenna LeComte-Hinely
- Lewis-San Antonio Healthy Communities Institute- Angelica Baltazar
- National Community Renaissance - Alexa Washburn
- Partners for Better Health - Evette de Luca
- Prevention Institute – Rachel Bennett
- Public Health Alliance - Carla Blackwater
- San Bernardino County Department of Public Health - Corwin Porter, Trudy Raymundo & Scott Rigsby
- San Bernardino County Land Use Services - Tom Hudson, Karen Watkins, & Linda Mawby
- San Bernardino Council of Governments - Josh Lee
- Transportation & Land Management Agency - Steve Weiss
- Western Riverside County of Governments - Jennifer Ward & Andrea Howard
The Healthy Development Checklist is intended to help communities across the region incorporate health into everyday life. It is a major step forward in Riverside County's (also known as the Riverside University Health System) continuing drive to build healthy communities. Beginning in 2011, with the adoption of the Healthy Communities Element as part of the County’s General Plan and the Healthy Riverside County Resolution, we have continued to encourage the inclusion of health in planning and transportation policy in the County and in its 28 cities. The Checklist has also garnered the support of regional partners, including the San Bernardino County Department of Public Health, San Bernardino Council of Governments, and Western Riverside Council of Governments. Both of these partners are working with Riverside County to promote a broader use of this Health Development Checklist, including in San Bernardino County.

An overarching principle in the Healthy Development Checklist is Equity. Health equity is ensuring that all people have full and equal access to opportunities that enable them to lead healthy lives. This approach to health equity has informed the content and strategies in the Healthy Development Checklist.

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<td>All of us must work collectively to ensure our communities are engaged in the planning process. We must empower our constituents to be engaged in decision-making by providing accurate, easy to understand and timely information. Engagement and Empowerment of our communities allows for inclusion and a higher sense of buy-in.</td>
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<td>We must ensure that our communities are built to the highest quality possible. This means keeping healthy communities as the focus and ensuring that where people live, work, play and learn provides them with opportunities to build health into their everyday life.</td>
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<td>How we utilize our limited resources is essential to ensure we can serve our growing population. We must build complete streets that encourage active transportation, healthy eating and active living.</td>
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<th>Increase healthy behaviors.</th>
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<td>We must build our communities so that there is easy access to parks, open spaces, recreational activities, shopping, jobs and educational opportunities. Healthy behaviors lead to lower morbidity and mortality rates thereby, improving and extending an overall quality of life.</td>
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<td>The provision of active transportation infrastructure for walking, biking and access to transit ensures greater healthy options for our residents.</td>
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<td>By building healthy communities where youth can thrive and grow with clean air, water, access to healthy foods, parks and active transportation we can increase the opportunities for our children to live a healthier life.</td>
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1 For additional information on community health data in Riverside County, you can visit [SHAPE Riverside County](http://www.shapecounty.org).
HEALTHY DEVELOPMENT CHECKLIST & CRITERIA

The design of our communities has a great impact on our health and the well-being of our residents. This checklist provides criteria, empirical evidence, and best practices for new healthy development. Our goal is to encourage developers, city officials, and decision makers to use this tool to help guide the development of neighborhoods that promote physical and mental health, encourage community engagement, and improve quality of life for all. Community members may also find this tool as a useful resource to better understand healthy development practices.

WHAT IS THE PURPOSE OF THE CHECKLIST?

The Healthy Development Checklist was developed to provide criteria for healthy development practices in the Inland Empire. It is intended to be used as a tool to judge the overall health performance and supportiveness of new development projects. While not every criterion will apply to every development project, projects should aim to comply with as many of the criteria as possible to promote health through their development project.

HOW TO USE THE CHECKLIST?

The Healthy Development Checklist is organized into six topical categories:

1) Active Design
2) Connectivity
3) Public Safety
4) Environmental Health
5) Community Cohesion
6) Access to Food, Services, and Jobs

A summary checklist is followed by a more detailed catalogue of the checklist. For each checklist question, projects can assess their performance as follows:

• “COMPLIES WITH ALL CRITERIA” (if a project meets all criteria)
• “COMPLIES WITH SOME CRITERIA” (if the project meets some, but not all of the bulleted criteria)
• “DOES NOT COMPLY” (if the project does not meet any of the criteria)
• “N/A” (if the criteria does not apply to this project)

WHO SHOULD USE THE CHECKLIST?

Developers, planning staff, and decision-makers should use the Healthy Development Criteria:

• Developers should refer to the criteria and checklist as a guide for the design and planning of a project in the early stages, preferably before submitting an application for development review.
• City staff can use the checklist to review development proposals and make recommendations to both developers and decision-makers. The checklist can also be used to inform staff reports and public meetings on projects.
• Decision-makers are encouraged to use the completed project checklist to better understand the health outcomes of a proposed project.
• Community members and advocates can use the checklist as a resource and tool to guide healthy development in their communities.
SUMMARY CHECKLIST

ACTIVE DESIGN

1. **NEIGHBORHOOD AMENITIES.** How well does the project support access to neighborhood amenities (e.g., convenience store, dry cleaning, community center, café, etc.) within reasonable walking distance from residential developments?

2. **PARKS AND OPEN SPACE.** How well does the project incorporate a park or open space within reasonable walking distance of all residential development?

3. **PEDESTRIAN ENVIRONMENT.** How well does the project contribute to creating a safe and comfortable pedestrian environment for residents of all ages?

4. **SIDEWALKS.** How well does the project create or contribute to a complete network of sidewalks?

5. **FRONTAGE DESIGN.** How well does the project incorporate attractive, pedestrian-scale exteriors and massing to encourage walkability for people of all ages?

6. **PHYSICAL ACTIVITY.** How well does the project incorporate design features to promote the physical activity of all building occupants?

CONNECTIVITY

7. **NETWORK.** How well does the project leverage public open space, sidewalks, pedestrian amenities, bicycle facilities, and multi-use trails to connect safely and comfortably to surrounding neighborhoods?

8. **WALKABILITY.** How well does the project enhance walkability by providing a highly-connected street network?

9. **TRANSIT ACCESS.** How well does the project provide all residents with safe access to transit and transit facilities within reasonable walking distance?

10. **BICYCLE CONNECTIVITY.** How well does the project provide high levels of bicycle connectivity through a safe, well-marked and complete bicycle network?
**PUBLIC SAFETY**

**11. INJURY PREVENTION.** How well does the project foster injury prevention through the use of traffic calming features, such as bulb outs and speed humps, safe pedestrian crossings, and moderate roadway speeds?

**12. SAFE ACCESS TO SCHOOLS.** How well does the project incorporate safe access to schools within a reasonable walking distance?

**13. LIGHTING.** How well does the project provide adequate neighborhood lighting to prevent crime and increase safety?

**ENVIRONMENTAL HEALTH**

**14. SMOKING.** How well does the project incorporate efforts to restrict smoking in multi-family development and open spaces?

**15. NEAR-ROAD POLLUTION.** How well does the project incorporate efforts to protect residents from the harmful effects of high volume roads?

**16. NOISE POLLUTION.** How well does the project mitigate noise pollution for all residents?

**17. ENVIRONMENTAL JUSTICE.** How well does the project mitigate any impacts that would disproportionately affect disadvantaged communities?

**18. INDOOR AIR QUALITY.** How well does the project incorporate the use of materials and products that support healthy indoor quality?

**COMMUNITY COHESION**

**19. PASSIVE SPACES.** How well does the project incorporate spaces that facilitate social engagement?

**20. RECREATIONAL SPACES.** How well does the project incorporate facilities and access to a variety of recreational opportunities for all users?

**21. COMMUNITY SPACES.** How well does the project incorporate facilities and access to a multi-purpose community space accessible to the public?
ACCESS TO FOOD, SERVICES, AND JOBS

22. GROCERY. How well does the project integrate access to a full-service grocery store (e.g., sells meat, dairy, fruits and vegetables) within reasonable walking distance of all residents?

23. COMMUNITY GARDEN. How well does the project incorporate space for growing food onsite through community gardens, edible landscaping, or small-scale farming within a reasonable walking distance from residential development?

24. FARMER'S MARKET. How well does the project designate space or provide access to a farmer's market within a reasonable walking distance?

25. HEALTHY FOOD. How well does the project maintain a balance of healthy and unhealthy food retailers?

26. JOBS. How well does the project design promote shorter commutes and better access to jobs?

27. HEALTH SERVICES. How well does the project provide future residents with access to health services?

28. CHILDCARE. How well does the project support increased access to affordable and high-quality childcare?

29. MIXED-USE. How well does the project integrate mixed-use development?

30. MIXED HOUSING. How well does the project contribute to a mix of housing options that will allow all potential household sizes, incomes, and types to become neighbors and share available amenities?
DETAILED HEALTHY DEVELOPMENT CRITERIA

ACTIVE DESIGN

1. **NEIGHBORHOOD AMENITIES.** How well does the project support access to neighborhood amenities (e.g., convenience store, dry cleaning, community center, café, etc.) within reasonable walking distance from residential developments?

**RATIONALE:**
Neighborhoods that include destinations within reasonable walking distance are linked to increased total physical activity of residents. A “walk shed” radius is a useful measure to delineate the area from which a place is reachable by a short walk, commonly understood as up to one half mile.\(^2\) An effective circulation system links people to key neighborhood destinations efficiently and safely.

**CRITERIA:**
Review the project for the following features:

- Access to one or more existing or planned transit stops (including bus, streetcar, informal transit stop, rapid transit, light or heavy rail stations, commuter rail stations) within a ½ mile walk distance; and
- At least two destinations within a ½ mile walking distance of all or most residents, including parks, schools, commercial centers, and offices.

**EVIDENCE:**


2. **PARKS AND OPEN SPACE.** How well does the project incorporate a park or open space within reasonable walking distance of all residential development?

**RATIONALE:**
The close proximity of parks and recreation services encourages use, physical activity, and mental health benefits for people of all ages. Parks can also be used as spaces for community events and civic engagement. People living within a half mile of a park consider facilities close enough to walk to.

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\(^2\) For the purposes of this Checklist, any references to a “reasonable walking distance” should consider the walk shed as a measure for walkability and also the best applicability to the local community context (e.g., urban, suburban, rural). While practical influences should always be considered (e.g., safety, shortcuts, etc.), projects should aim for at least a ½ mile walk distance, but a ¼ mile walk distance is preferred.
CRITERIA:
Review the project for the following features:

- Every resident lives within ½ of a park or public open space; and
- A ratio of at least 5 acres of parkland per 1,000 residents; and
- Joint-use agreements with local school districts or other entities (if necessary, to achieve these park standards.)

EVIDENCE:

Trust for Public Land. 2016. “Parks on the Clock: Why we Believe in the 10-minute walk.” Retrieved from: https://www.tpl.org/blog/why-the-10-minute-walk#sm.0001bo0t0r4t1d50von1fn8ldyt18


3. PEDESTRIAN ENVIRONMENT. How well does the project contribute to creating a safe and comfortable pedestrian environment for residents of all ages?

RATIONALE:
Walking is positively correlated with the presence of sidewalks and perceived neighborhood aesthetics and safety. Perceptions matter: the extent to which a neighborhood is perceived as walkable is correlated with residents’ likelihood of participating in regular physical activity. A quality pedestrian environment also creates a physical and psychological buffer between pedestrians, bikes and cars, in addition to providing shade. A carefully planned built environment can be highly effective in preventing pedestrian injuries.

CRITERIA:
Review the project for the following features:

- Pedestrian signals, in-pavement flashing lights, four-way stops, crosswalks, and/or pedestrian overpasses to ensure pedestrian safety; and
- Gently sloped walks instead of or in addition to steps in public open spaces; and
- Barrier-free paths that facilitate access for all users; and
- Legible signage that minimizes confusion and communicates important wayfinding information to all users (e.g., seniors, deaf, multi-language); and
- Street trees planted between the vehicle travel way and sidewalk at intervals of no more than 50 feet along at least 60% of the total existing and planned block length within a project and on blocks bordering the project; and
- Within ten years, shade from trees or permanent structures over at least 40% of the total length of the existing and planned sidewalks within or bordering the project (measured from the estimated crown diameter).

EVIDENCE:


4. SIDEWALKS. How well does the project create or contribute to a complete network of sidewalks?

RATIONALE:
The presence of a complete sidewalk network is a major determinant of whether or not someone may choose walking for any given trip. Walking is positively correlated with the presence of sidewalks and perceived neighborhood aesthetics and safety. Lack of physical activity is a major factor in Americans’ health. The provision of a network that facilitates walking can help bridge this physical activity gap and directly influence measurable health indicators.

CRITERIA:
Review the project for the following features:

- Sidewalks on both sides of all new and redeveloped streets; and
- Minimum sidewalk width of 6 feet along residential streets and 8 feet along commercial or mixed-use streets; and
- Continuous sidewalks across the entire project street network (excepting alleys and service-oriented streets); and
- Incorporation of universal design features to ensure that all users (including those using wheelchairs, walkers, pushing strollers, and hand carts) can easily travel to neighborhood destinations, including:
  - Multi-use pathways that are separated from vehicular traffic and that facilitate pedestrian and wheelchair access,
  - Planting strips on both sides of all streets without protruding into the path of travel; and
  - Short right-turn radii for major roads and ramps crossing pedestrian rights-of-way.

EVIDENCE:


5. FRONTAGE DESIGN. How well does the project incorporate attractive, pedestrian-scale exteriors and massing to encourage walkability for people of all ages?

RATIONALE:
Building design greatly affects our sense of comfort while walking, biking, or driving, as well as our connection to a place and our neighbors. Providing opportunities to have frequent face-to-face contact in a neighborhood has been shown to promote social ties among neighbors. Architectural features such as porches and transparent shop fronts that promote visibility from a building’s exterior have been linked to higher levels of perceived social support and lower levels of psychological distress.

CRITERIA:
Review the project for the following features:

- Buildings with primary entrances oriented towards the sidewalk/street or public open spaces; and
• Buildings that are scaled appropriately to the width of the street to create a pleasant public realm environment (generally using a rule of thumb of at least 1 foot of building height for every 1.5 feet from street centerline to building façade); and
• Surface parking is located behind buildings (or to the side in certain contexts).

**EVIDENCE:**

6. **PHYSICAL ACTIVITY.** How well does the project incorporate design features to promote the physical activity of all building occupants?

**RATIONALE:**
Certain features can be incorporated into the design of buildings that help people increase their physical activity as a part of daily life. Active design strategies include the convenient placement of stairs, building and site design to encourage walking, and the provision of spaces for physical activity.

**CRITERIA:**
Review the project for the following features:

• Placement of stairs within 25’ of an entrance and before any elevator;
• Stair prompts and signage at elevator banks;
• Windows & skylights to make enclosed stairs more visible and appealing;
• No unnecessary escalators and elevators;
• Elimination of physical barriers (such as walls, door locks, and poor placement of building elements) that can deter physical activity.

**EVIDENCE:**
7. **NETWORK.** How well does the project leverage public open space, sidewalks, pedestrian amenities, bicycle facilities, and multi-use trails to connect safely and comfortably to surrounding neighborhoods?

**RATIONALE:**
Research indicates that children who bike or walk to recreational sites (parks, playgrounds, etc.) use sites more often. The safer it is to bike or walk to play sites, the more likely it is that kids will bike or walk there. Furthermore, trail use is significantly correlated with user proximity, with evidence showing that trails within at least ½ mile of every residence is ideal for maximizing access and use. Trails and parks that are well maintained, safe, clean, well-lit, and have facilities, such as restrooms, drinking fountains, and exercise equipment, are used more and contribute to higher physical activity levels among users.

**CRITERIA:**
Review the project for the following features:

- Pedestrian amenities at parks and on trails, including seating, restrooms, signage, lighting, landscaping, shade structure, trash cans and drinking fountains; and
- Park design that emphasizes connectivity to other park/trail access points within reasonable walking distance, including complete streets design, close proximity to transit stops, and safe pedestrian and bike routes.

**EVIDENCE:**


8. **WALKABILITY.** How well does the project enhance walkability by providing a highly-connected street network?

**RATIONALE:**
There is ample evidence that greater street connectivity and higher residential density are related to higher total physical activity and lower BMI. Adults are more likely to walk if they live in neighborhoods with high connectivity and intersection density, high population density, and a mix of land uses.

A high intersection density is one of the single most important variables for determining whether a place will have high enough levels of connectivity to foster increased levels of walking, as well as for increasing transit use and reducing vehicle distance traveled. Grid street patterns that decrease distance between destinations encourage walking and help foster physical activity.

**CRITERIA:**
Review the project for the following features:
• No cul-de-sacs, courts, and paseos without through access by pedestrians and bicyclists to other streets, courts, paseos, or parks;
• An internal connectivity of at least 140 motorized/non-motorized intersections per square mile; and
• Small, walkable blocks with perimeters no more than 1600 feet long; and
• At least one through connection (street, alley, trail/path) of all blocks and the project boundary every 800 feet. Does not apply to blocks or portions of the boundary where connections cannot be made due to physical obstacles.

EVIDENCE:


9. TRANSIT ACCESS. How well does the project provide all residents with safe access to transit and transit facilities within reasonable walking distance?

RATIONALE:
In addition to walking and biking, public transit offers a potential alternative to driving. Public transit improvements can also result in other benefits, including reduced traffic crashes, improved physical fitness and health, energy conservation, increased community livability, increased affordability, and economic development. Urban form, including the presence of compact development and access to public transit, tend to have a positive association with physical activity.

CRITERIA:
Review the project for the following features:
• At least 50% of dwelling units and nonresidential use entrances have access to existing or planned transit stops (including bus, streetcar, informal transit stop, rapid transit, light or heavy rail stations, commuter rail stations) within a ½ mile walk distance; and
• Compact development and mixed land use that maximizes walkable access to public transit; and
• Transit facilities designed to maximize user comfort while waiting by incorporating shade structures, street furniture and relevant information/signage.

EVIDENCE:


10. **BICYCLE CONNECTIVITY.** How well does the project provide high levels of bicycle connectivity through a safe, well-marked and complete bicycle network?

**RATIONALE:**
Good bicycle connectivity and safe bicycle facilities can have dramatic public health benefits. New bicycling facilities can dramatically lower health care costs. Additionally, communities that support transit use, walking, and bicycling are associated with more physical activity and lower body weights. Key metrics to the success of bicycle networks is trail/bikeway accessibility. Use of trails and bikeways is negatively correlated with distance to the facility.

**CRITERIA:**
Review the project for the following features:

- On-street bicycle facilities (Class II or Class IV) on most streets; and
- Class IV facilities on limited access roadways with higher rates of speed and larger intersection spacing; and
- Highly visible or color-coded markings and/or bicycle lane striping on the road surface (or a painted buffer between the bicycle and travel lanes); and
- Where appropriate, “bicycle boulevards” with narrower travel lanes, slower target speeds, unique signage, and bicycle prioritization through vehicle barriers or other visual cues.

**EVIDENCE:**


11. **INJURY PREVENTION.** How well does the project foster injury prevention through the use of traffic calming features, such as bulb outs and speed humps, safe pedestrian crossings, and moderate roadway speeds?

**RATIONALE:**
Vehicle speed is one of the most critical variables that determines traffic collision severity. The use of design features that moderate traffic speeds and increase driver awareness of bicycle and pedestrian activity all help to reduce the occurrence and severity of injury of collisions. This is especially true for those with limited mobility, such as elderly pedestrians and children. Risk of injury is also greater on busier streets and streets with more than two lanes. However, pedestrian safety can be improved through the provision of continuous wide sidewalks, well-marked and signalized crosswalks, traffic controls at intersections; and traffic-calming infrastructure.

**CRITERIA:**
Review the project for the following features:

- Traffic-calming infrastructure, such as speed humps, bulb-outs, and chicanes; and
- To the extent possible, neighborhood/local streets have a target speed limit of 20 miles per hour and collectors/arterials have a target speed limit of 30 miles per hour; and
- All vehicle travel lanes on local streets within the project area are no wider than 10 feet; collector streets and roads are no wider than 11 feet; and arterial roads have travel lanes no wider than 12 feet; and
- All two-lane streets have clearly marked space for on-street parking and/or bicycle lanes; and
- Outside lane striping to delineate the vehicle travel way from on-street parking, bicycle lanes, or unused shoulders; and
- Grade-separated cycle tracks OR wide parking lanes (up to 10 feet) where physical separation between bicycle lanes and on-street parking is not desirable or possible, such as in areas with high parking turnover.

**EVIDENCE:**


12. **SAFE ACCESS TO SCHOOLS.** How well does the project incorporate safe access to schools within reasonable walking distance?

**RATIONALE:**
The implementation of safe routes to school strategies have resulted in significant decreases in the number of child pedestrian deaths and injury rates. Additionally, improved safety for students walking and biking to school also has broader benefits, including reduced transportation costs, increased connectivity between neighborhoods, and improved student alertness.
CRITERIA:
Review the project for the following features:

- An attendance boundary that adheres to these specified distances: most or all students living within a 3/4-mile walking distance for grades 8 and below, and 1 1/2-mile walking distance for grades 9 and above, of a school building.

EVIDENCE:

13. **LIGHTING.** How well does the project provide adequate neighborhood lighting to prevent crime and increase safety?

RATIONALE:
Street lighting improvements can help reduce both crime and people’s perceptions of fear. In addition, street lighting can have the effect of increasing activity after dark.

CRITERIA:
Review the project for the following features:

- Lighting that enhances visibility of streets, alleys, windows, walkways, and bikeways for pedestrians and vehicle traffic; and
- Safe pedestrian path zones that align with traffic patterns and generate a sense of welcome at all hours of the day; and
- Enough lighting for safety, while ensuring lighting does not produce glare for users, including pedestrians, drivers, or light trespass to neighbors.

EVIDENCE:
14. **SMOKING.** How well does the project incorporate efforts to restrict smoking in multi-family development and open spaces?

**RATIONALE:**
Each year, smoking causes about one in five deaths in the United States. Smoking continues to be an ongoing health issue and is one of concern in the Inland Empire. Furthermore, there is extensive evidence that indicates second hand smoke, especially in shared spaces, such as multifamily residential buildings, can be a health hazard for non-smokers in adjoining units.

**CRITERIA:**
Review the project for the following features:

- No smoking in parks and public plazas, and
- Signage stating smoking bans in parks and public plazas, and
- Restrict smoking in multifamily residential buildings so as to protect tenants from the effects of secondhand smoke generated in nearby or adjoining units.

**EVIDENCE:**

15. **NEAR-ROAD POLLUTION.** How well does the project incorporate efforts to protect residents from the harmful effects of high volume roads?

**RATIONALE:**
Pollutants from cars, trucks and other motor vehicles are found in higher concentrations near major roads. People who live, work or attend school near major roads appear to have an increased incidence and severity of health problems associated with air pollution exposures related to roadway traffic, including higher rates of asthma onset and aggravation, cardiovascular disease, impaired lung development in children, pre-term and low-birthweight infants, childhood leukemia, and premature death.

**CRITERIA:**
Review the project for the following features:

- Near-road landscaping that reduces particle concentrations and noise. Generally, include a context-appropriate vegetation barrier that is at least 20 feet and has full coverage (no gaps); and
- Locate homes at least 1,000 away from a high-volume road; and
- Install filtration systems for all buildings within 1,000 feet of a high-volume road.

**EVIDENCE:**

16. **NOISE POLLUTION.** How well does the project mitigate noise pollution for all residents?

**RATIONALE:**
Noise pollution can negatively impact the physical and mental health of residents. Unwanted noise may increase due to population growth, street traffic changes, and even mobile technology. Long term exposure to excessive noise can lead to stress, fatigue, hearing loss, and loss of productivity.

**CRITERIA:**
Review the project for the following features:

- Active rooms, such as kitchens, placed in locations that buffer sounds from roads in rooms where noise is more problematic, such as bedrooms; and
- Minimize exposure to noise pollution in outdoor spaces by planting earthen berms with grasses or shrubs; and
- Use of green roofs, which can absorb noise and reduce outside sound levels by up to 40-50 decibels; and
- Reduce exposure to noise pollution for building occupants by incorporating acoustically designed walls, double-glazed windows, and well-sealed doors.

**EVIDENCE:**

17. **ENVIRONMENTAL JUSTICE.** How well does the project mitigate any impacts that would disproportionately affect disadvantaged communities?

**RATIONALE:**
The negative impacts of the built environment disproportionately impact disadvantaged communities, including higher incidences of respiratory disease, cancer, obesity, and developmental diseases. Community design, together with planning decisions, can play a key role in making these communities healthier and mitigating the impacts of existing land use patterns and transportation investments in the region.

**CRITERIA:**
Review the project for the following features:

- Minimize exposure to hazardous contaminants, including contaminated soils, pesticides, contaminated groundwater, and emissions by not siting residential development near or in the path of exposure sites (e.g., bus fleets stations, factories, power plants, landfills, and areas of pesticide spraying)
- Minimize development of sensitive land uses – defined as schools, hospitals, residences, and elder and childcare facilities – near air pollution sources – including freeways, high volume roads, airplane landing paths, and polluting industrial sites.
18. INDOOR AIR QUALITY. How well does the project incorporate the use of materials and products that support healthy indoor quality?

RATIONALE:
Poor indoor quality can contribute to chronic disease, including asthma, heart disease, and cancer. Poor ventilation, humidity, and exposure to carbon monoxide can exacerbate negative impacts to health. Most exposure to environmental pollutants occurs by breathing air indoors.

CRITERIA:
Review the project for the following features:

- Building materials that are not known to emit harmful toxins; and
- Reduce occupant exposure to VOCs by using cabinetry, doors, molding, shelving, and trim materials with low VOCs. Employ caulking, adhesives, paints, varnishes, and other finishes that are free of solvents and VOCS; and
- Reduce occupant exposure to molds by using mold resistant materials in community bathrooms and other water sensitive locations.

EVIDENCE:

COMMUNITY COHESION

19. **PASSIVE SPACES.** How well does the project incorporate spaces that facilitate social engagement?

**RATIONALE:**
Creating public spaces that promote the engagement of residents and high connectivity of neighborhoods and services have positive impacts on health. The good design of public spaces is important to ensuring not only their use, but the encouragement of socialization and activity.

**CRITERIA:**
Review the project for the following features:

- Plazas, a central square, dog runs, and bbq areas that encourage social interaction and enhance opportunities for physical activity; and
- Seating that encourages people to be comfortable in parks and public spaces; and
- Design that promotes public gathering and use of open space for activities, places for food, and flexibility for multiple uses, including:
  - Visible and accessible entrances, spaces, and paths,
  - Functional structures,
  - Pedestrian and bicyclist access,
  - Public art,
  - Close access to public transit.

**EVIDENCE:**


20. **RECREATIONAL SPACES.** How well does the project incorporate facilities and access to a variety of recreational opportunities for all users?

**RATIONALE:**
Having accessible recreation, exercise, or sports facilities in neighborhoods tends to be associated with active recreation. Additionally, research has shown that children are more physically active in preschools that have more available playground equipment and a larger space for outdoor play.

**CRITERIA:**
Review the project for the following features:

- Sports fields, courts, swimming pools, tot lots, putting green, recreational gardening and fitness facilities, including:
  - Baseball or softball diamonds, soccer fields, an open play green, a skate park, basketball, tennis, sand volleyball, and/or practice fields; or
  - Swimming pools, which may include an adult lap pool and spa, a children’s pool, a splash park; or
  - Equestrian staging area (if appropriate to the context).
- Parks that emphasize open space and natural habitat, have minimal development, and are well distributed throughout the site. Park amenities may include:
• Open lawns
• Restrooms
• Shade structures
• Picnic areas
• Interpretive areas and interpretive signage

- Park facilities for users of all ages with different recreational needs, interests and abilities. Seniors and very young children in particular have unique needs. Consider the following age-specific park infrastructure:
  - Very young children (age 0-6): tot lots, splash pads
  - Older children (6-18): sports fields, courts, skate park
  - Adults: sports fields, putting green, gardening and fitness facilities, adult lap pool
  - Senior (age 60+): gardening and fitness facilities, adult lap pool, trails

**EVIDENCE:**


21. **COMMUNITY SPACES.** How well does the project incorporate facilities and access to a multi-purpose community space accessible to the public?

**RATIONALE:**
Adaptable, multi-purpose community rooms can help foster a sense of social cohesion and offer space for education and health related programming. Education and lifelong learning can improve social well-being and help maintain cognitive function as people age.

**CRITERIA:**
Review the project for the following features:

- At least one community space in every community and/or neighborhood; and
- Community room with multi-use spaces, including recreational rooms, auditoriums, outdoor plazas, and green building features; and
- Integration of community rooms with parks, open space facilities, and cultural centers.

**EVIDENCE:**


22. **GROCERY.** How well does the project integrate access to a full-service grocery store (e.g., sells meat, dairy, fruits and vegetables) within reasonable walking distance of all residents?

**RATIONALE:**
Residents of communities with access to healthy foods have healthier diets. Proximity to supermarkets is associated with lower rates of obesity and the presence of convenience stores is associated with higher rates of obesity.

**CRITERIA:**
Review the project for the following features:

- A neighborhood market within the project design, or
- A public, multi-use space that allows for food markets, or
- Access to a full-service grocery store within reasonable walking distance.

**EVIDENCE**

23. **COMMUNITY GARDEN.** How well does the project incorporate space for growing food onsite through community gardens, edible landscaping, or small scale farming within a reasonable walking distance from residential development?

**RATIONALE:**
Community gardens provide a whole host of community benefits in addition to serving as an additional source of healthy food. Participation in community gardening is associated with higher fruit and vegetable intake, though, and can be an effective strategy at improving access to healthy foods.

**CRITERIA:**
Review the project for the following features:

- Community gardens in neighborhood parks and residential development as part of project design; or
- Joint-use agreements with local school districts or other entities (if necessary to ensure access to a school garden); or
- Access to a community garden within reasonable walking distance.

**EVIDENCE**
24. **Farmer’s Market.** How well does the project designate space or provide access to a farmer’s market within reasonable walking distance?

**RATIONALE:**
Proximity to farmer’s markets has been found to be associated with lower body mass index (BMI) among youth, while density of fast-food and pizza venues has been found to be associated with higher BMI.

**CRITERIA:**
Review the project for the following features:

- Space included for a farmer’s market within project design; or
- Access ensured to a farmer’s market within reasonable walking distance.

**EVIDENCE:**


25. **Healthy Food.** How well does the project maintain a balance of healthy and unhealthy food retailers?

**RATIONALE:**
Peoples’ food choices and their likelihood of being overweight or obese are also influenced by their food environment. A popular measure of healthy and less healthy food availability in a given geographic area—including distance to food retailers, cost of foods, or density of food outlets— is the modified Retail Environment Food Index (mREFI), which is a ratio of fast-food restaurants and convenience stores compared to supermarkets, produce markets, and farmer’s markets. Presence of fast food retailers has a negative effect on diets and diet related health outcomes.

**CRITERIA:**
Review the project for the following features:

- Restrict fast food retailers within ½ mile of schools, and
- Manage the allowance of fast food retailers relative to the ratio of healthy food retailers to unhealthy food retailers. This could be accomplished by utilizing the Modified Retail Environment Food Index Score. Calculate the mREFI, which is calculated for a census tract as (healthy retailers) / (healthy retailers + unhealthy retailers). Areas with a score of less than 5 are considered to have “poor access” to healthy retail food, scores of 5 to 10 to have “fair access,” scores above 10 to 25 to have “good access,” and scores above 25 to have “high access.”

**EVIDENCE:**

26. **JOBS.** How well does the project design promote shorter commutes and better access to jobs?

**RATIONALE:**
Jobs-housing balance is an indirect method of estimating how much commuting future residents of the proposed community might have to endure. While some may find driving enjoyable, commuting is generally a stressful activity that affects one’s health and one’s social ties to their community. Extended commutes increase stress, with implications for both mental health and familial relationships.

**CRITERIA:**
Review the project for the following features:

- Design includes more housing near job-center areas; or
- Includes jobs near housing-dense areas; or
- Includes affordable housing between job center areas; or
- Creates mixed-use projects that include jobs and housing.

**EVIDENCE:**

27. **HEALTH SERVICES.** How well does the project provide future residents with access to health services?

**RATIONALE:**
The inability to access public transit poses a significant barrier for low-income patients to access health care services and can result in missed appointments, avoiding care, and deterioration of health conditions. One method to bridging the gaps in healthcare is by creating clinical-community partnerships, which can be more cost effective and culturally appropriate in addressing preventive care and population health.

**CRITERIA:**
Review the project for the following features:

- Access to a clinic or health facility within reasonable walking distance, or
- Include multi-use spaces that could be used as a health center or to provide health services within the project design.

**EVIDENCE:**
28. **CHILDCARE.** How well does the project support increased access to affordable and high quality childcare?

**RATIONALE:**
Access to quality childcare is vital to a child’s early development and also contributes to important economic benefits, including direct and indirect job benefits, increased tax revenues, and a more productive workforce. Communities, cities, and developers are finding unique ways to partner in supporting child care facilities as part of development projects and land use plans.

**CRITERIA:**
Review the project for the following features:

- Mixed use development included as part of project design; or
- Design of flexible, multi-use spaces that could be used as a child care center; or
- Access to a child care center within reasonable walking distance.

**EVIDENCE:**


29. **MIXED-USE.** How well does the project integrate mixed-use development?

**RATIONALE:**
There are many different health and wellbeing benefits to living in a mixed-use area. Youths, adults, and seniors residing in neighborhoods with mixed land use typically engage in more total physical activity than those in single-use neighborhoods. Adults are more likely to walk if they live in neighborhoods with high connectivity, high population density, and mixed land use. Additionally, one primary characteristic of a high quality healthy community is mixed land use, where residents live in proximity to services and amenities, rather than in purely residential environments.

**CRITERIA:**
Review the project for the following features:

- Neighborhood-serving uses, such as food markets, libraries, dry cleaning services and beauty salons within the project design; and
- Retail and service uses on the ground floor to entice pedestrians.

**EVIDENCE:**


**30. MIXED HOUSING.** How well does the project contribute to a mix of housing options that will allow all potential household sizes, incomes, and types to become neighbors and share available amenities?

**RATIONALE:**

Offering housing that is affordable to local workers is crucial, as a mix of housing that meets a diversity of needs and incomes allows diverse professionals to live in the community in which they work. There are ample benefits to having housing that can accommodate local workers, including increased social cohesiveness and a decrease in the amount of driving necessary to support a community.

**CRITERIA:**

Review the project for the following features:

- An inclusionary housing requirement, and
- Design of multi-generational housing, and
- A wide range of housing for diverse household sizes and types.

**EVIDENCE:**


Works Cited


Trust for Public Land. 2016. “Parks on the Clock: Why we Believe in the 10-minute walk.” Retrieved from: https://www.tpl.org/blog/why-the-10-minute-walk#sm.0001bo0t0r4t1d50von1fn8ldyt18


