

2007 New Partners for Smart Growth

Weaving the Fabric of Smart Growth:

Linkages between Crime Prevention, Pedestrian Safety, Public Health, Social Well Being, Environmental Quality, and Economic Vitality

Marie Jones - City of Fort Bragg

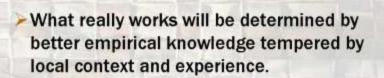
Tina M. Zenzola, MPH - Safe & Healthy Communities Consulting

Al Zelinka, AICP, CMSM - RBF Consulting's Urban Design Studio

February 9, 2007







Smart Growth is not formula driven.

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Principles of Smart Growth

- Create range of housing opportunities & choices
- Create walkable neighborhoods
- Strengthen & direct development towards existing communities
- Preserve open space, farmland, natural beauty & critical environmental areas
- Take advantage of compact building design





- Mix Land Uses
- Provide a Variety of Transportation Choices
- Foster Distinctive Communities with a Strong Sense of Place
- Encourage Community and Stakeholder Collaboration
- Make Development Decisions Predictable, Fair and Cost Effective



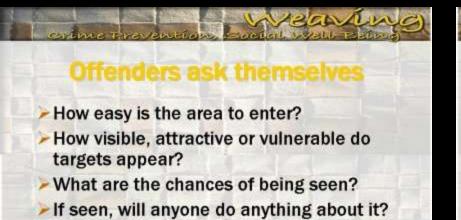












Is there a direct and quick route to leave

once crime is committed?

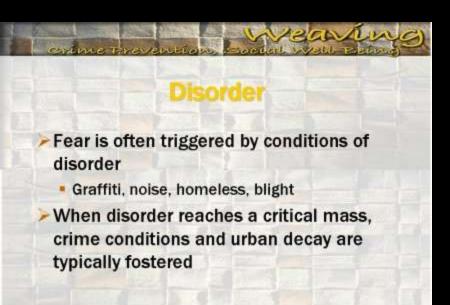








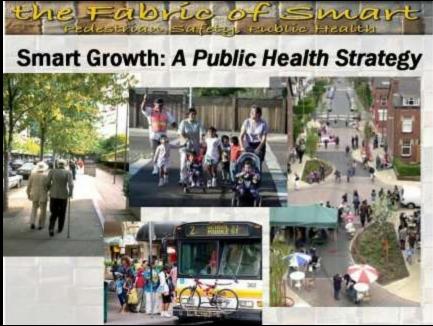




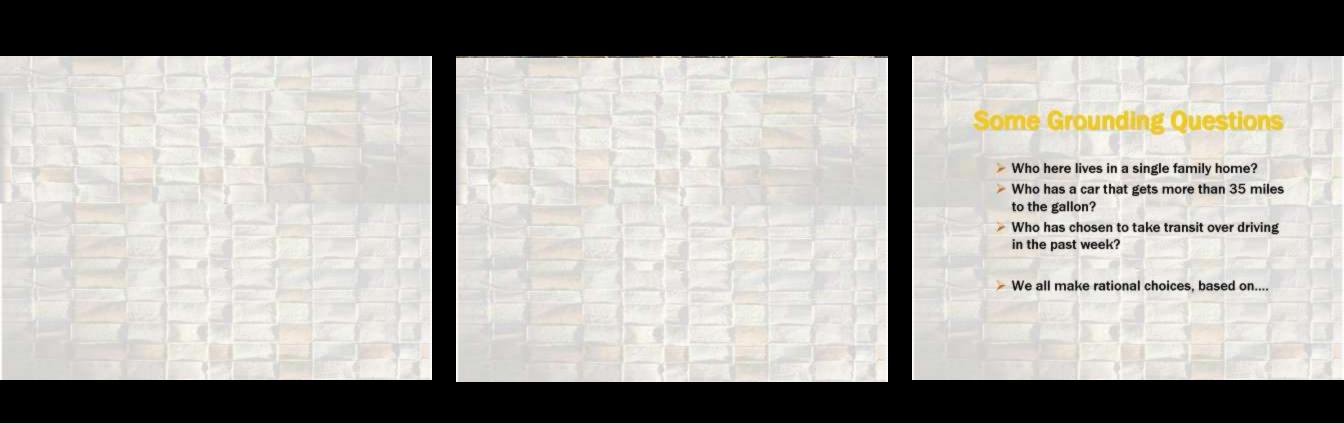
















Our values, motivations and class

- > Law & order
- > Safety/comfort zone
- Consumption of Stuff
- > Personal responsibility
- Family obligation
- Randomness
- Tolerance/diversity
- Consumption of experience
- Community responsibility
- > Individual freedom
- > Suburban Development
- > Smart Growth

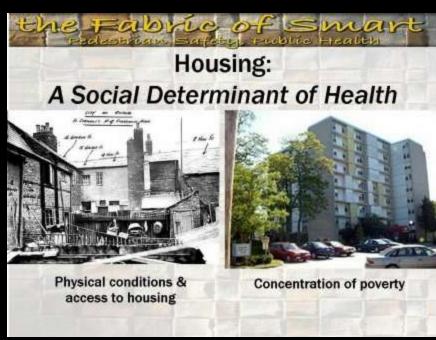
Smart Growth may not be for everyone.....

















functioning, lifespan and

Lower health care and

quality of life

social costs















- Require developer to set aside a percentage of units or SF for affordable housing
- Many California cities have adopted inclusionary requirement
- Must include density bonus, watch FAR and lot coverage ratios to insure that development is feasible and affordable units can be added
- Set the inclusionary requirement by square
- feet (10-20% of SF)

 Have a minimum unit size (750-850 SF)
- More affordable units and less expensive for developer (low income households can afford more \$/SF with smaller unit)





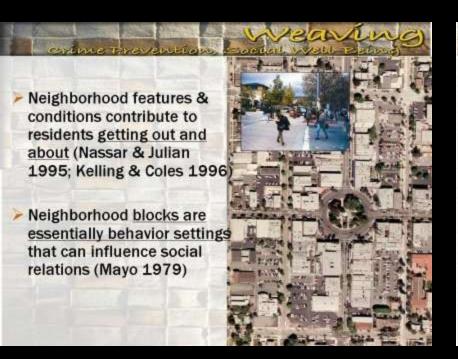




- "Place" plays as important a role in the drama of crime as do "victims" and "offenders"
- There are three basic types of "places," each amenable to specific types of prevention strategies:
- locations (i.e. specific addresses)
- places (i.e. parks, schools, etc.)
- areas (i.e. neighborhoods)

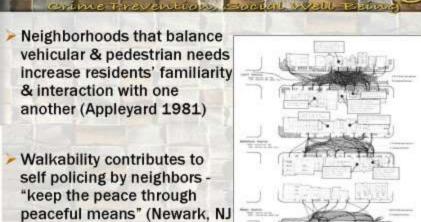










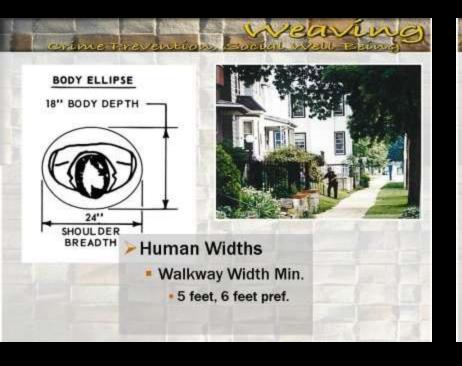


Foot Patrol Experiment, Diggs Town, Minnie Street,

etc.)





















The forgotten pedestrian

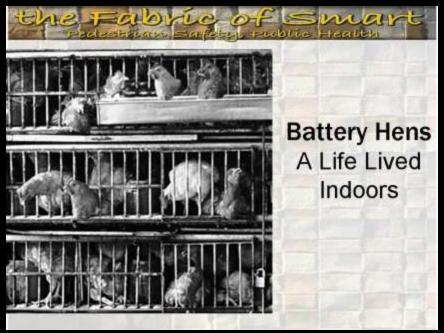
- Standards and policies prioritize traffic flow over pedestrian safety
- Minimal funds devoted to pedestrian/bike projects
- Traffic laws reinforce bias against pedestrians
- Lack of understanding of (child) pedestrian behavior



If drivers were treated like pedestrians...

















Health-Promoting Community Design Solutions

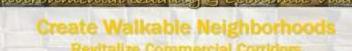
- Adopt traffic calming programs
- > Revise local street standards
- Increase funding for pedestrian projects
- > Home zones
- Change social values

Withdraw the threat from children, rather than withdraw children from the threat









- Hundreds of miles of lowquality auto-oriented commercial corridors across the nation have suffered huge divestment as chains and malls have abandoned them.
- Walkable streets when combined with rezoning can result in revitalized neighborhoods
 - Mixed use projects with residential that "subsidizes" ground floor commercial
 - Re-energize the neighborhood with new residents who increase demand for retail and other services









- Equity quality streets in all neighborhoods, different communities want different street programming
- Reduce stormwater swales, infiltration
- planters, curb cuts, pervious surfaces... Include greenways - dedicated paths to bicyclists and pedestrians
- Street design traffic circles and curb bulges provide pedestrian refuge and reduce stormwater
- Improve the urban forest to reduce heat island effect, provide habitat, Water efficient native landscaping
- 6. Use energy efficient lightening

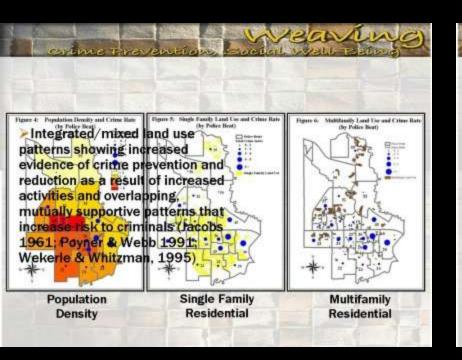
















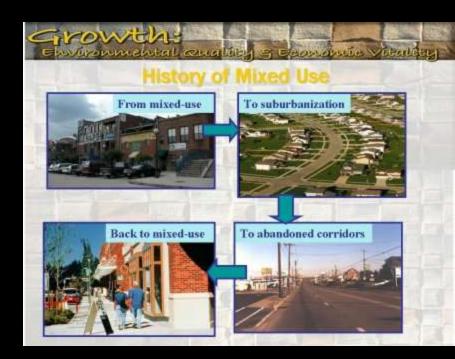


















- Greater risks that create a higher "price of admission."
 - complex entitlements process
 - financing from multiple sources
 - enter different markets simultaneously
- Greater Benefits
 - Better performance in economic downturns (one market will always be up)
 - Synergism between uses
 - Place making







Mix of Land Uses

> Retail has Gone Wild

What is the cost of retail on the bottom floor of every mixed-use infill project?

- Economic cost to developer
- Social cost to community
- How many roof-tops are needed to create demand for 1,000 SF of retail?

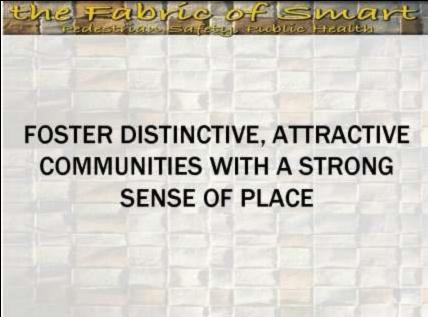
	Annual Sales/SF		Store Size (SF)	Store Revenue		CA Sales Per Capita		Reisdents / Store	Units/ Store
Apparel Stores	5	206	1,000	\$	206,000	5	422	488	163
Stationary/Gifts/Novelty	- 5	140	1,000	\$	140,000	\$	51	2,745	915
Jewelry	5	264	1,000	5	264,000	\$	67	3,940	1313
Grocery Store	5	720	30,000	\$2	000,000	\$	540	39,993	13331
Restauranto	5	270	4,000	\$ 1	000,000,1	5	511	2,114	705
Home Furnishings	- 5	230	4,000	8	920,000	\$	302	3,046	1015
Personal Services	5	230	1,000	5	230,000	5	302	762	254











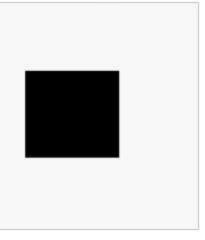








Centrifugal



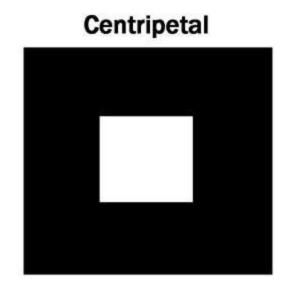












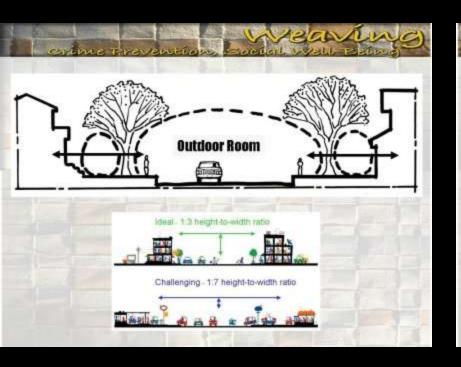




















Healthy Neighborhoods Promote Social Capital & Social Networks

People with strong social networks:

- Live longer
- Have fewer heart attacks & heart disease
- Are less depressed and use alcohol and drugs less
- Have fewer teen births
- Are healthier overall







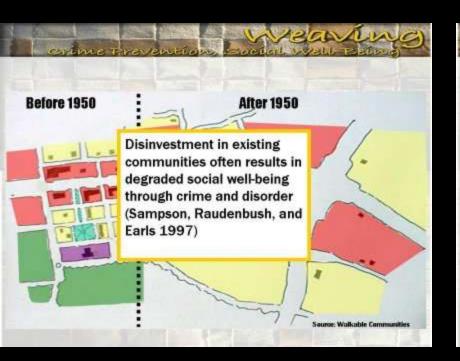


- > Three T's of economic growth: technology, talent, tolerance
- Educational attainment is the single strongest predictor of economic success for the individual and the region.
- Talent gravitates towards places that are inclusive, diverse, and offer abundant high-quality experiences. Talent is diverse.
- Firms cluster to capitalize on talent and are born out of it.
- Weaker social capital ties, less stable, more innovative
- Urban form reflects the cultural mix
- Cities like Portland, Seattle, Minneapolis, New York, San Francisco, Santa Cruz, Austin, Ann Arbor, San Jose, Madison, Kalamazoo













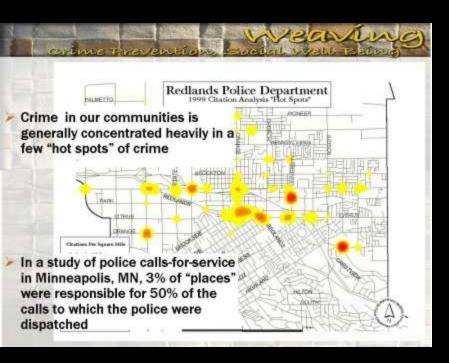






















- Loss of 2 million acres of farm land and open space per year
- Ground water recharge and storm water runoff
- Reduce materials use for infrastructure development (sewer, water, roads, lighting, etc)
- Reduce auto-miles and green house gas production















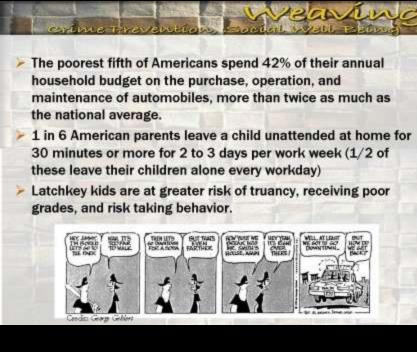


































- Assume land costs of \$25/SF and 350SF/Space: a single surface space = \$10K, a 3 story garage space = \$18K.
- Just like in Monopoly everyone wants to hit free parking. 99% of all car trips end in a "free" parking space.
- Non-car users indirectly pay for parking through rents and prices.
- High parking requirements kill great projects.
- Ugly urban form.











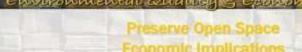














- Market value of homes is 20% higher when proximate to parks (500 to 2,000 feet)
- Passive parks increase market value more than active parks
- Well maintained parks with visibility from near-by streets are best
- Pocket parks and linear parks that directly back onto housing, reduce the market value of those homes.



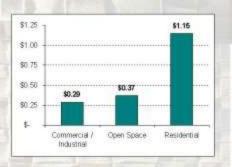




Parks generate \$0.37 in cost for every \$1.00 in revenue they

Residential uses generate \$1.15 in costs for every \$1 in revenue

generate.





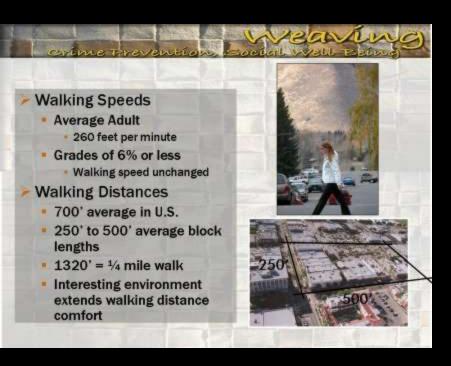




























































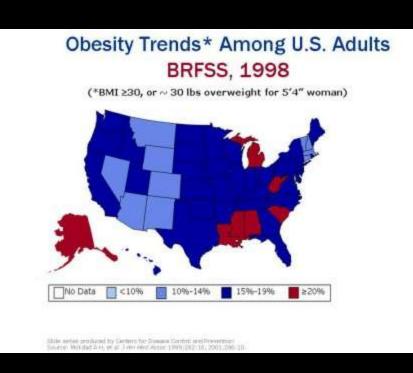






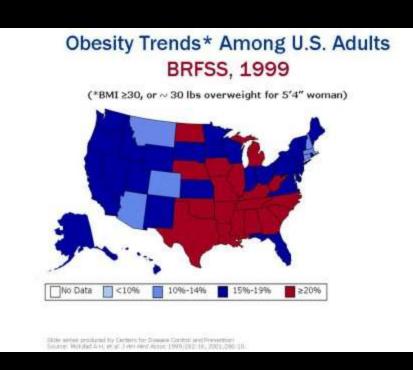






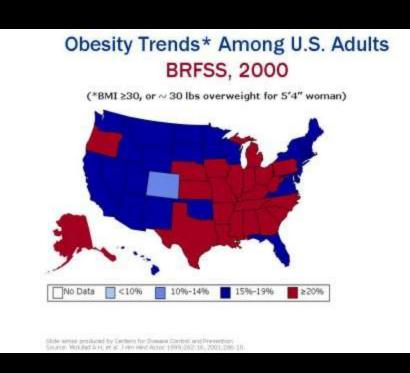












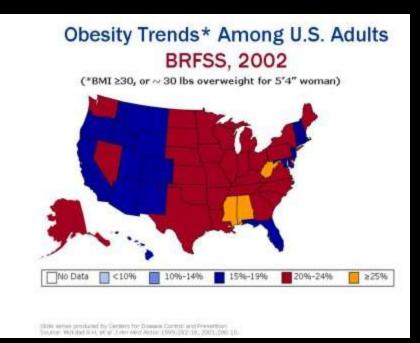




















Obesity & Our Kids' Future

- Rate of overweight kids has doubled
- Overweight kids likely to will be overweight adults
- 78% are sedentary
- 1 in 4 will be diabetic

First generation of kids in the US that aren't expected to live as long as their parents







Health-Promoting Community Design Solutions

Proven effective strategies:

- Zoning for compact, mixed-use development
- > Transit-oriented development
- Policies related to street design & connectivity
- Traffic calming
- Street lighting
- Improving street crossings

Task Force on Community Preventive Services









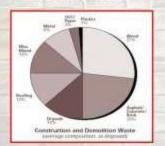
Environmental Impacts of Building

- ▶ 65.2% of U.S. electricity consumption
- > 36% of U.S. energy
- > 12% of potable water

Lost

Waste

- 40% (3 billion tons annually) of raw materials
- 25% of wood resources



Waste Generation

- Construction & Demolition debris are 25% of municipal waste, 136 million
- 12 tons of waste for new construction of a 2,000 sq ft home
- 20 tons/home remodel = 60 years of curbside recycling
- > 30% of green house gas emissions





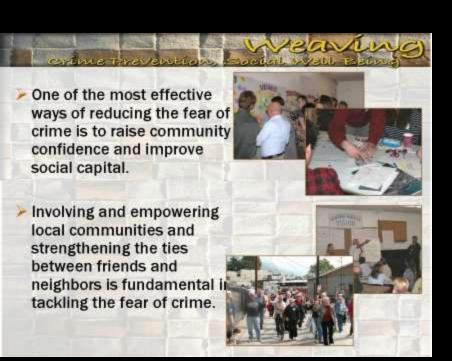


- > Small units = less resource use
- Multifamily units = less resources use
- Save energy and water: energy modeling, SIPs, ICFs, high performance windows, energy efficient appliances & equipment, passive solar, low-water use toilets, drip irrigation, etc.
- Conserve natural resources: use products that are durable, low-maintenance, recycled, made from rapidly renewable resources: bamboo, cork flooring, natural linolium, wheat board, recycled carpet tiles, straw board
- Improve indoor environmental quality: low VOC paints, adhesives, carpets, composite wood, operable windows, natural light, etc.









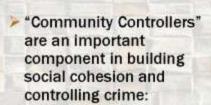












- "intimate guardians" (i.e. parents, family members, etc.)
- "guardians" (i.e. store clerks, teachers, the police, etc.)
- "place managers" (i.e. landlords, apt. managers, etc.)



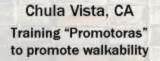












Salinas, CA
Council adopts 10 TND
policies recommended by
migrant farm workers



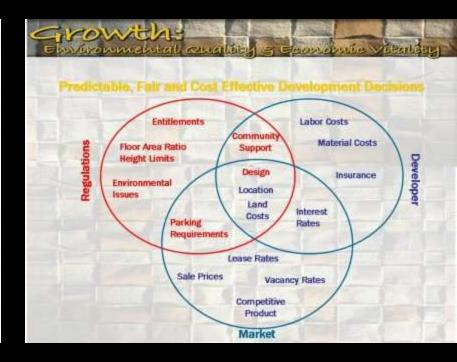






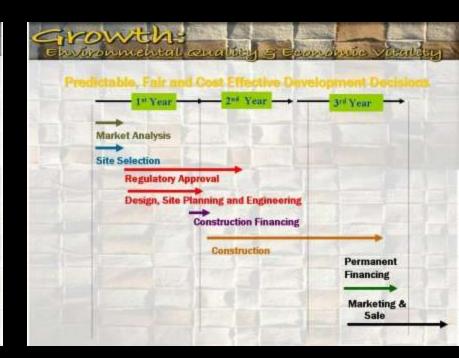


















- > \$37 million mixed-use project
 - . 100 2 BR units
 - 15,000 SF Retail, 10,000 SF Restaurants
 - . 5,000 SF Plaza
 - 162 parking spaces
 - * IRR =19%
- > Six month delay IRR = 16%
- One year delay = 12%
- > Two year delay = 9%













Public Health Impacts of the Built Environment



- Physical activity
- Obesity & chronic disease
- Pedestrian injuries/death
- Asthma & respiratory disease
- Crime & violence
- Social capital
- Elder health & mobility
- Water quality & quantity
- Mental health
- Health disparities











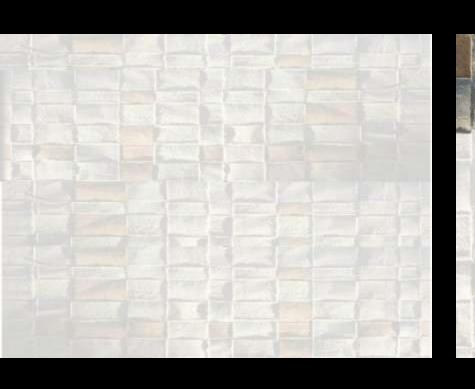












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