Urban green spaces

Health and greening the city

J R Ashton

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Tokyo is one of the world’s greatest metropolitan areas; when I first visited it, it reminded me powerfully of Fritz Lang’s prescient classic *Metropolis*. Space is at an absolute premium and conducting the normal routines of everyday life can seem like a major challenge. The contemporary public health issues are mostly to be found there.

Fortunately for Tokyo and its citizens, Takehito Tanaka and his group at the Graduate School of Tokyo Medical and Dental University are well on the case and have been for over 10 years. Working within the framework of the WHO Healthy Cities initiative,[1] they have thrown light on pressing problems in novel and lateral ways. This group is really “out of the box”, while grounded in the classic epidemiological methods.

Their latest offering is a cohort study of elderly Tokyo citizens to establish whether having ready access to green space affects longevity. In summary it seems to, and the factors of walkable green streets and spaces near the residence and that of having a positive attitude to one’s own community both came out with positive predictive values for survival over the following five years.

The implications of this, and of this genre of work for the reinvigoration of town planning and its connections to public health are obvious (Liverpool, where I am writing this piece from, had not only the first full time city medical officer in William Henry Duncan but also the first university department of town planning, and this was no coincidence).

However, we must remind ourselves that to the biomedical strand of public health and the environmental strand of town planning we also need the behavioural and political strand when considering these kinds of questions. Throwing green space at people may well not work unless they have some sense of ownership power and control, hence the significance of the finding relating to citizen’s attitude to their community.

Professor Tanaka visited Liverpool in the late 1980s to study William Henry Duncan’s legacy when he was embarking on his Healthy Cities research programme. William Henry would have been more than proud at the results.

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J McKenna

New visions for health promoters

The paper from Tanaka *et al*,[1] outlines how the presence of a “green and pleasant land” has meaning even within an urban sprawl. Here, just *perceiving* that your neighbourhood is both green and pleasant was associated with increased longevity in older people. This is an important finding for at least two reasons. Firstly, it supports the qualitative sense that attractive spaces (however “attractiveness” is determined) and community amenities are just “good for us”, without knowing why. The second reason is that it adds to the literature describing which environmental elements influence human life. This is expressed in academic domains variously labelled as spatial geography, urban planning, ecological health promotion, and life course (and potentially behavioural) epidemiology.

Vitality, the study puts flesh on the bones of the old adage, “Build it and they will come”. Certainly the study places a value and a direction on the first part of the injunction—build green urban spaces and wide paths for walking. This has direct relevance to health indices for older adults, and other researchers must take note; the study suggests that you can widen your remit to form alliances with urban planners to influence the conceptualisation and delivery of urban development.

However, Tanaka *et al*, haven’t found evidence that once it is built, that they will come. That responsibility will fall to health promoters who promote the features of the urban environment to enhance individual health. There are many international groups, but in the UK this study speaks to the likes of Kerr *et al*,[2] and Mutrie *et al*,[3] who have all been concerned to promote the use of urban facilities to increase levels of daily physical activity. Others, like SUSTRANS, have been concerned to create improved urban access by building much needed bridges, walkways, or cycle paths. For us advocates of the “good thing”, we wish you well and hope that what you develop meets our own versions of what is green, wide, and walkable.

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COMMENTARIES

Urban green spaces

Health and greening the city
L Duhl

Relation of urban planning and health

This is an unusual paper, as the subject, the relation of open green space and health has rarely been studied. It is extremely well done.

In the 1960s, at a meeting of the Outdoor Recreation Resources Commission, an interdisciplinary panel of experts, declared open space was tremendously important, but there were no data. Indeed, as Abel Wollman, a Professor at Johns Hopkins School of Public Health said in the 1960s, “This is an important area, even if there is no data. Therefore, we must yell loudly!”

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Urban green spaces

Health and greening the city
F Baum

Setting for health promotion: the importance for an evidence base

For some time epidemiology has been criticised for focusing almost exclusively on individual disease risk factors. Thus Shy maintains that academic epidemiology has served clinical medicine well because of its narrow biomedical perspective, dealing with risk factor and disease associations, rather than contributing to a population understanding of disease patterns. Others have been critical of this biomedical individualism and pointed to the lack of social, economic, environmental, and political analysis. 

In particular Rose has urged the need to recognise the crucial but subtle difference between sick individuals and sick populations. He suggested that epidemiology should understand disease as a consequence of how society is organised and behaves, what impact social and economic forces have on incidence rates, and what community actions will be effective in changing incidence rates. Epidemiology has been the main scientific method of public health, and criticism of its individualism has led to calls for a new public health... (continues...)

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local governments to take a whole of community approach to health promotion. These projects put considerable emphasis on gaining political support and mobilizing community action to ensure that health becomes a key consideration in city and community decision making. The initiatives offer particular challenges to evaluators. They are long term and aim to influence health by changing the way decisions are made to make environments more supportive of health. Attributing causality in Healthy Cities projects is extremely difficult so while process evaluations of the projects have been conducted, outcome evaluation has proved more difficult. Work such as that presented by Takano et al is very important in building an evidence base for Healthy Cities and other projects. A body of evidence that shows the ways in which availability of facilities affects the extent to which people exercise can form the basis of healthy urban planning decisions and will make the task of health promoters easier.

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