

## 8.41 HEALTH IMPACT ASSESSMENT

## HUDU Planning for Health

# Rapid Health Impact Assessment Tool



Second Edition  
June 2015

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NHS London Healthy Urban Development Unit

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## HUDU Planning for Health

# Rapid Health Impact Assessment Tool

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## Background

The Watch Out for Health guide and checklist was first published in 2008 to help ensure that health is properly considered when evaluating and determining planning proposals, and that where possible development plans and proposals have a positive rather than a negative influence on health.

The assessment tool was completely revised in January 2013 to take into account new legislation and policy changes both nationally and in London that relate to health and spatial planning. This second edition has been fully updated to be consistent with the Further Alterations to the London Plan (FALP) published on 10 March 2015. From this date, the FALP are operative as formal alterations to the London Plan.

- *The National Planning Policy Framework (NPPF)*. The NPPF came into effect in March 2012 and has replaced existing planning guidance notes and statements. The NPPF supports the role of planning to create healthy, inclusive communities by supporting local strategies to improve health, social and cultural wellbeing for all and by working with public health leads and health organisations to understand and take account of the health status and needs of the local population.
- *The London Plan and other Mayoral strategies in London*. In the London Plan, health is treated as a cross-cutting issue linking planning and health throughout the plan. The plan contains a policy on improving health and addressing health inequalities, which requires that the impacts of major development proposals on the health and wellbeing of communities should be considered through the use of health impact assessments. It notes that areas of deprivation align with designated growth areas and the development and regeneration of these areas provides a significant opportunity to improve health and reduce health inequalities in London.
- *Fair Society, Healthy Lives (the Marmot Review)*. Published in 2010, the review found that individual health is influenced by wider determinants such as income, education, local environmental quality and employment – what Marmot calls the ‘social determinants of health’. The review set out six policy objectives for reducing health inequalities including ‘to create and develop healthy and sustainable places and communities’.
- *Healthy Lives, Healthy People: our strategy for public health in England*. Published in November 2010, the White Paper sets out the Government’s long-term vision for the future of public health in England. It aims to create a ‘wellness’ service (Public Health England) and to strengthen both national and local leadership. It adopts the Marmot Review’s life course framework for tackling the social determinants, and aims to support healthy communities.

- *The Localism Act 2011*. The Act enshrines a new layer of development plan called the neighbourhood plan. These are initiated by communities, although they are subject to a formal approval process and a referendum. The Act also paves the way for neighbourhoods to initiate a neighbourhood development order, which allows local people to designate for particular development without it requiring planning permission.
- *The Health and Social Care Act 2012*. The Act brings about the transfer of responsibility for commissioning most healthcare services to consortia of GPs, known as clinical commissioning groups, and establishes an NHS Commissioning Board for commissioning primary care services and specialist acute services. The Act gives boroughs the responsibility of promoting joined up commissioning of local NHS services, social care and health improvement. The PCT and strategic health authority estate were transferred to either NHS providers or a NHS Property Services Ltd as of April 2013.
- *A Joint Strategic Needs Assessment (JSNA) and joint health and wellbeing strategy*. Prepared by local health and wellbeing boards they will inform GP commissioning plans and support the integration of services. A new Public Health Outcomes Framework summarises the new public health responsibilities of boroughs and includes outcomes closely linked to planning, including air quality, the use of green space, road casualties and fuel poverty.

Taken together, this legislative and policy context sends a strong signal that local authorities, health and wellbeing boards and NHS commissioners and providers should engage in the planning system to address the health impacts of development and regeneration proposals and improve health outcomes in new and existing communities.

## Using the assessment tool

The tool is designed to assess the likely health impacts of development plans and proposals, including planning frameworks and masterplans for large areas, regeneration and estate renewal programmes and outline and detailed planning applications. It is partly based on the World Health Organization publication *Healthy Urban Planning by Hugh Barton and Catherine Tsourou (2000)*.

It helps identify those determinants of health which are likely to be influenced by a specific development proposal. It does not identify all issues related to health and wellbeing, but focuses on the built environment and issues directly or indirectly influenced by planning decisions. Not all the issues or assessment criteria may be relevant and the user is encouraged to prioritise specific actions which focus on key impacts.

The *Mayor of London's Social Infrastructure Supplementary Planning Guidance (May 2015)* describes three types of health impact assessment:

- A 'desktop' assessment which draws on existing knowledge and evidence, often using published checklists which provide a broad overview of potential health impacts
- A 'rapid' assessment, which is a more resource intensive process, involving a more focused investigation of health impacts and recommending mitigation and enhancement measures

- A ‘full’ assessment which involves comprehensive analysis of all potential health and wellbeing impacts, which may include quantitative and qualitative information, data from health needs assessments, reviews of the evidence base and community engagement.

HUDU has developed this Rapid HIA tool using existing evidence to quickly assess the impacts of a development plan or proposal. The Mayor’s Supplementary Planning Guidance recommends the use of the tool and advises that Opportunity Area Planning Frameworks and strategic planning applications may require a rapid HIA as a minimum.

The guidance recommends initial screening to determine the need for and type of HIA required. It refers to *HUDU’s Healthy Urban Planning Checklist (June 2015)* as a possible ‘desktop’ assessment, which can also be used for screening.

The Rapid HIA Tool should be used prospectively at the earliest possible stage during plan preparation or prior to the submission of a planning application to inform the design, layout and composition of a development proposal. The assessment should also include arrangements for monitoring and evaluating the impacts and mitigation and enhancement measures.

Potential users of the tool could include:

- *developers and consultants* formulating a development proposal and assessing the health impacts of a subsequent planning application.
- *local authorities and NHS organisations* assessing the health impacts of regeneration or development proposals, who may want to scrutinise planning applications to ensure that health impacts are addressed and health benefits maximised. Use of the tool could be coordinated by health and wellbeing boards and be supported by the joint strategic needs assessment.
- *community, voluntary groups and organisations* such as neighbourhood forums who may want to identify the health impacts of a proposed development or of a proposed neighbourhood plan or development order.

The assessment tool is generic and should be localised for specific use. It is designed to highlight issues and to facilitate discussion. As a rapid assessment tool, its purpose is to quickly ensure that the health impacts of a development proposal are identified and appropriate action is taken to address negative impacts and maximise benefits. It may be supplemented by further information, such as a policy and literature review, a needs assessment and community engagement.

The tool overlaps with other assessments, in particular environmental impact assessment and sustainability appraisal (see summary of assessments in Table 1). In London, the Mayor of London has used Integrated Impact Assessments to assess the Mayoral strategies, including the London Plan, which includes an assessment of health impacts.

This tool could be used as a ‘stand-alone’ assessment to assess the impact of large-scale development plans or projects, such as area action plans or masterplans, or strategic planning applications. Alternatively, it could form part of an integrated impact assessment process. In the case of major planning applications subject to environmental impact assessment (EIA), the environmental statement could include a separate chapter on health

impacts using this tool. Cross-references should be made to other relevant chapters in the environmental statement, such as socio-economic impacts, transport, noise and air quality. Incorporating health impacts into EIA also allows the cumulative impacts of other neighbouring developments to be addressed. For example, the cumulative impact of a number of developments might necessitate the need for new health or social infrastructure.

**Table 1 Summary of relevant assessments**

Assessment	Process
Building Research Establishment Environmental Assessment Method (BREEAM)	<p>A BREEAM assessment should be undertaken for all major development proposals.</p> <p>Building Research Establishment Environmental Assessment Method (BREEAM) assesses the environmental performance of new and refurbished buildings. Bespoke assessments can be carried out for unusual or mixed-use buildings. The assessment gives buildings a score of pass, good, very good or excellent.</p> <p><a href="http://www.breeam.org/">http://www.breeam.org/</a></p> <p><b>Note on Code for Sustainable Homes</b></p> <p>The 2013 edition of this tool advocated the use of the Code for Sustainable Homes to assess major development proposals. Following the technical housing standards review, the Government has withdrawn the Code for Sustainable Homes, aside from the management of legacy cases.</p> <p>Legacy cases are those where residential developments are legally contracted to apply a code policy (eg. under an affordable housing programme), or where planning permission has been granted subject to a condition stipulating discharge of a code level. In these instances, it is possible to continue to conduct code assessments.</p> <p>Details of the new approach to the setting of technical housing standards in England were announced on 27 March 2015 and a new set of streamlined national technical standards were published.</p>
Sustainability appraisal (SA)	<p>An SA is mandatory under the Planning and Compulsory Purchase Act 2004. The process seeks to promote sustainable development through the integration of social, environmental and economic considerations in the preparation of development plan documents and supplementary planning documents.</p> <p>SA provides a critical evaluation of the performance of policy against predetermined social, economic and environmental criteria so that the plan's performance can be improved. It usually involves:</p> <ul style="list-style-type: none"> <li>• reviewing current best practice with regard to the subject of the plan</li> <li>• scoping national, regional and local policy guidance</li> <li>• reviewing the plan's assumptions, objectives and forecasts</li> <li>• identifying criteria for appraising the plan's sustainability performance</li> <li>• appraising policies against the criteria (usually in a matrix)</li> <li>• modifying policies in the light of the appraisal</li> </ul>



Assessment	Process
	<ul style="list-style-type: none"> <li>identifying sustainable development indicators (SDI) so the plan's long term delivery of sustainability can be monitored.</li> </ul> <p><a href="http://planningguidance.planningportal.gov.uk/blog/guidance/strategic-environmental-assessment-and-sustainability-appraisal/">http://planningguidance.planningportal.gov.uk/blog/guidance/strategic-environmental-assessment-and-sustainability-appraisal/</a></p>
Health Impact Assessment (HIA)	<p>Health Impact Assessment (HIA) is a means of assessing the health impacts of policies, plans and projects using quantitative, qualitative and participatory techniques. It aims to produce a set of evidence-based recommendations to inform decision-making to maximise the positive health impacts and minimise the negative health impacts of proposed policies, plans or projects.</p> <p>It assumes that policies, programs and projects have the potential to change the determinants of health. Changes to health determinants then leads to changes in health outcomes or the health status of individuals and communities.</p> <p>World Health Organization Health Impact Assessment: <a href="http://www.who.int/hia/en/">http://www.who.int/hia/en/</a></p> <p>Mayor of London Social Infrastructure Supplementary Planning Guidance (May 2015) : <a href="https://www.london.gov.uk/priorities/planning/publications/social-infrastructure-supplementary-planning-guidance-spg">https://www.london.gov.uk/priorities/planning/publications/social-infrastructure-supplementary-planning-guidance-spg</a></p> <p>The HIA Gateway: <a href="http://www.apfo.org.uk/default.aspx?QN=P_HIA">http://www.apfo.org.uk/default.aspx?QN=P_HIA</a></p>
Mental Well-being Impact Assessment (MWIA) Toolkit	<p>The toolkit helps support national, regional and local services and systems across health, local government, the voluntary, community and private sector to embed mental well-being into their work. It includes an updated evidence base on population characteristics, determinants and protective factors for mental wellbeing. It focuses on the social determinants of mental well-being, such as socio-economic position, environment, transport, education, food, and the understanding of resilience, core economy, social justice and equity.</p> <p>National MWIA Collaborative (England) (2011) Mental Health Wellbeing Impact Assessment: A Toolkit for Well-being (3rd edition): <a href="http://www.apfo.org.uk/resource/item.aspx?RID=95836">http://www.apfo.org.uk/resource/item.aspx?RID=95836</a></p>
Integrated Impact Assessment	<p>The Mayor of London has adopted an integrated approach to assessing the impacts of his strategies, which incorporates the following legal requirements: Strategic Environmental Assessment (SEA), Sustainability Appraisal, a Health Impact Assessment (related to the duty to reduce health inequalities as set out in the GLA Act 1999 as amended), an Equalities Impact Assessment, and a Community Safety Impact Assessment.</p> <p>Carrying out an Integrated Impact Assessment (IIA) enables any synergies</p>

Assessment	Process
	<p>and cross-cutting impacts of the assessments to be identified.</p> <p>To meet the requirement of the SEA Directive, the significant effects of implementing the London Plan are monitored through a set of key performance indicators, which are reported in the London Plan Annual Monitoring Report (AMR).</p>
Environmental impact assessment (EIA)	<p>An EIA may be required to identify the environmental effects of a proposed development and ensure that these are thoroughly understood. EIAs are compulsory for certain types of development that include urban development projects where the size of the site is above 0.5ha and where the proposal is likely to have significant environmental impacts.</p> <p><a href="http://planningguidance.planningportal.gov.uk/blog/guidance/environmental-impact-assessment/">http://planningguidance.planningportal.gov.uk/blog/guidance/environmental-impact-assessment/</a></p>
Design and access statement (DAS)	<p>A DAS is required for both outline and full planning applications. Statements are documents that explain the design thinking behind the application. This includes how everyone, including disabled people, older people and very young children will be able to use the development.</p> <p><a href="http://planningguidance.planningportal.gov.uk/blog/guidance/making-an-application/validation-requirements/national-information-requirements/#paragraph_029">http://planningguidance.planningportal.gov.uk/blog/guidance/making-an-application/validation-requirements/national-information-requirements/#paragraph_029</a></p>
Lifetime Homes and Lifetime Neighbourhoods	<p>Lifetime Homes is a set of 16 design criteria that can be incorporated into the construction of new homes at minimal cost. In 2015, the Government withdrew the Lifetime Homes concept. As of October 2015, the London Plan will no longer be linked to Lifetime Homes standards, but will reflect the Building Regulation requirement M4 (2) on accessible and adaptable dwellings.</p> <p>Many local planning policies will continue to require Lifetime Homes standards in new developments.</p> <p><a href="http://www.lifetimehomes.org.uk/">http://www.lifetimehomes.org.uk/</a></p> <p>Lifetime Neighbourhoods places the design criteria of Lifetime Homes into a wider context. It encourages planners to help create environments that people of all ages and abilities can access and enjoy, and to facilitate communities that people can participate in, interact and feel safe.</p> <p><a href="http://www.lifetimehomes.org.uk/pages/lifetime-neighbourhoods.html">http://www.lifetimehomes.org.uk/pages/lifetime-neighbourhoods.html</a></p> <p><a href="http://www.communities.gov.uk/publications/housing/lifetimeneighbourhoods">http://www.communities.gov.uk/publications/housing/lifetimeneighbourhoods</a></p>
Building for Life	<p>Building for Life (BfL), updated in 2012, is the industry standard, endorsed by Government, for well-designed homes and neighbourhoods. BfL12 is a tool that local communities, local authorities and developers are invited to use to stimulate conversations about creating good places to live. It sets out 12 questions to be addressed when designing new developments, grouped under</p>

<b>Assessment</b>	<b>Process</b>
	<p>three broad headings:</p> <ul style="list-style-type: none"><li>• Integrating into the neighbourhood</li><li>• Creating a place</li><li>• Street and home.</li></ul> <p><a href="http://www.designcouncil.org.uk/knowledge-resources/guide/building-life-12-third-edition">http://www.designcouncil.org.uk/knowledge-resources/guide/building-life-12-third-edition</a></p>

## Assessing the plan or proposal

The assessment matrix in Section 1 identifies eleven topics or broad determinants:

1. Housing quality and design
2. Access to healthcare services and other social infrastructure
3. Access to open space and nature
4. Air quality, noise and neighbourhood amenity
5. Accessibility and active travel
6. Crime reduction and community safety
7. Access to healthy food
8. Access to work and training
9. Social cohesion and lifetime neighbourhoods
10. Minimising the use of resources
11. Climate change.

### Scoping and assessment

Under each topic Section 2 identifies examples of planning issues which are likely to influence health and wellbeing and provides supporting information and references.

Assessment criteria are suggested derived from the planning issues, but the user is encouraged to add other criteria where necessary. Information and evidence to assess and evaluate the proposal will come from a wide range of sources, including information submitted with a planning application. This could include a planning statement, design and access statement or an environmental statement for applications subject to environmental impact assessment. In some cases there may be a lack of information and/or data about certain aspects of the proposal. In this case, the impact is likely to be uncertain and more information should be requested.

The planning issues and topics may be assessed according to local priorities and needs, derived from community engagement and a profile of community health and wellbeing needs and assets. In addition, impacts may be short-term or temporary, related to construction or longer-term, related to the operation and maintenance of a development and may particularly affect vulnerable or priority groups of the population, such as older people or black and ethnic minority groups. Some issues may have a local impact, whilst other issues may have a wider or neighbourhood impact.

Where an impact is identified, actions should be recommended to mitigate a negative impact or enhance or secure a positive impact. Recommended actions on development proposals may require design or layout changes, closer adherence to policy requirements or standards or planning conditions or obligations. In some cases it may be helpful to identify non-planning measures, such as licencing controls or maintenance arrangements. The matrix should bring together commitments made in other assessments, for example plans to mitigate construction impacts.

## **Monitoring and evaluation**

To ensure that the recommended actions are implemented, monitoring arrangements should be put in place. It is particularly important that actions and obligations are carried forward from a masterplan or outline approval into detailed planning applications. A separate assessment may be needed for each detailed application having regard to the overall framework of actions and recommendations.

Large-scale development proposals, phased over a long period time will give rise to potential construction, operational and post-occupation health impacts which may be best monitored and evaluated by way of longer-term health study. A post-occupancy survey of new housing may be recommended to assess the profile of the new population and to reassess the health impacts. Relevant indicators from the borough's Annual Monitoring Report or a sustainability appraisal can help monitor health impacts and outcomes.

## Section 1 – HUDU Rapid Health Impact Assessment Matrix

The assessment matrix is designed to rapidly assess the likely health impacts of development plans and proposals, including planning frameworks and masterplans for large areas, regeneration and estate renewal programmes and outline and detailed planning applications. It should be used prospectively at the earliest possible stage during plan preparation, or prior to the submission of a planning application to inform the design, layout and composition of a development proposal.

The matrix does not identify all issues related to health and wellbeing, but focuses on the built environment and issues directly or indirectly influenced by planning decisions. It is generic and should be localised for specific use. Not all the issues or assessment criteria may be relevant and the user is encouraged to prioritise specific actions which focus on key impacts.

The assessment matrix identifies eleven topics or broad determinants. Under each topic, Section 2 of the tool identifies examples of planning issues which are likely to influence health and wellbeing and the section also provides supporting information and references.

Health impacts may be short-term or temporary, related to construction or longer-term, related to the operation and maintenance of a development and may particularly affect vulnerable or priority groups of the population. Where an impact is identified, actions should be recommended to mitigate a negative impact or enhance or secure a positive impact.

Name of assessor / organisation: Nick Bishop, Senior Planning Consultant, Lichfields .....

Name of project (plan or proposal): Marble Hill House: Parks for People .....

Planning reference (if applicable):N/A .....

Location of project: Marble House and Park, Twickenham, TW1 2NL .....

Date of assessment:16/03/2017 .....

## 1 Housing quality and design

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal seek to meet all 16 design criteria of the Lifetime Homes Standard or meet Building Regulation requirement M4 (2)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal address the housing needs of older people, ie extra care housing, sheltered housing, lifetime homes and wheelchair accessible homes?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include homes that can be adapted to support independent living for older and disabled people?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal promote good design through layout and orientation, meeting internal space standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include a range of housing types and sizes, including affordable housing responding to local housing needs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal contain homes that are highly energy efficient (eg a high SAP rating)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## 2 Access to healthcare services and other social infrastructure N/A

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal retain or re-provide existing social infrastructure?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal assess the impact on healthcare services?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include the provision, or replacement of a healthcare facility and does the facility meet NHS requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal assess the capacity, location and accessibility of other social infrastructure, eg schools, social care and community facilities?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal explore opportunities for shared community use and co-location of services?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal contribute to meeting primary,	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Use of playing fields by local schools –	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative	



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Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
secondary and post 19 education needs?	<input type="checkbox"/> N/A	enhanced changing room facilities	<input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

### 3 Access to open space and nature

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal retain and enhance existing open and natural spaces?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Restoration of a public park and enhancement of sports and leisure facilities	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
In areas of deficiency, does the proposal provide new open or natural space, or improve access to existing spaces?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal provide a range of play spaces for children and young people?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Repair and upgrade of existing play facilities	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal provide links between open and natural spaces and the public realm?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Upgrade to existing access points and surfaces	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Are the open and natural spaces welcoming and safe and accessible for all?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	A well used public park	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal set out how new open space will be managed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Detailed management strategy provided by J&L Gibbons	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

#### 4 Air quality, noise and neighbourhood amenity

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal minimise construction impacts such as dust, noise, vibration and odours?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See Construction Management Statement by J&L Gibbons	<input type="checkbox"/> Positive <input checked="" type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	Temporary negative impacts of construction will be mitigated by measures set out in the Construction Management Statement.
Does the proposal minimise air pollution caused by traffic and energy facilities?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal minimise noise pollution caused by traffic and commercial uses?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## 5 Accessibility and active travel

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal prioritise and encourage walking (such as through shared spaces?)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Encourages walking for leisure by improving the cultural and visitor offer of the Park.	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal prioritise and encourage cycling (for example by providing secure cycle parking, showers and cycle lanes)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No change to existing cycle routes, but the park will become a more attractive destination, which is accessible to cyclists.	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal connect public realm and internal routes to local and strategic cycle and walking networks?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No change to existing	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include traffic management and calming measures to help reduce and minimise road injuries?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Is the proposal well connected to public transport, local services and facilities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	PTAL level 4 - Good	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal seek to reduce car use by reducing car parking provision, supported by the controlled parking zones, car clubs and travel plans measures?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Existing parking provision will be used	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	Potential increase in visitors by car, but these will have come to ensure sport and outdoor leisure to the park, therefore the health outcome will not be negative.
Does the proposal allow people with mobility problems or a disability to access buildings and places?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Major DDA upgrades are proposed to Marble Hill House Museum, and the sports block will also be made complaint.	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## 6 Crime reduction and community safety

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal incorporate elements to help design out crime?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal incorporate design techniques to help people feel secure and avoid creating 'gated communities'?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include attractive, multi-use public spaces and buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Has engagement and consultation been carried out with the local community?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See Statement of Community Engagement	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## 7 Access to healthy food

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal facilitate the supply of local food, ie allotments, community farms and farmers' markets?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Is there a range of retail uses, including food stores and smaller affordable shops for social enterprises?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal avoid contributing towards an over-concentration of hot food takeaways in the local area?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## 8 Access to work and training

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal provide access to local employment and training opportunities, including temporary construction and permanent 'end-use' jobs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Staff required to manage café and volunteers to curate Marble Hill House	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal provide childcare facilities?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include managed and affordable workspace for local businesses?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include opportunities for work for local people via local procurement arrangements?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	



## 9 Social cohesion and lifetime neighbourhoods

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal connect with existing communities, ie layout and movement which avoids physical barriers and severance and land uses and spaces which encourage social interaction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	No change to existing	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input checked="" type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal include a mix of uses and a range of community facilities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	The proposed enhances existing sports, leisure and cultural provision	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal provide opportunities for the voluntary and community sectors?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Volunteering opportunities at Grade II listed Marble Hill House	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal address the six key components of Lifetime Neighbourhoods?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## 10 Minimising the use of resources

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal make best use of existing land?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Extension to the stable block on a currently underused courtyard	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal encourage recycling (including building materials)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See Construction Method Statement	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal incorporate sustainable design and construction techniques?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See Design and Access Statement by VHH Architects	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## 11 Climate change

Assessment criteria	Relevant?	Details/evidence	Potential health impact?	Recommended mitigation or enhancement actions
Does the proposal incorporate renewable energy?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Not possible given heritage context	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input checked="" type="checkbox"/> Uncertain	
Does the proposal ensure that buildings and public spaces are designed to respond to winter and summer temperatures, ie ventilation, shading and landscaping.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See Design and Access Statement by VHH Architects	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal maintain or enhance biodiversity?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See landscape design by J&L Gibbons	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	
Does the proposal incorporate sustainable urban drainage techniques?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See SUDs proposals by The Martin Partnership	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Neutral <input type="checkbox"/> Uncertain	

## Section 2: Supporting information

### General references

[The King's Fund / London Healthy Urban Development Unit \(2009\) The health impacts of spatial planning decisions](#)

[Allen, J., Boyce, T., Geddes, I., Goldblatt, P., Grady, M., Marmot, M., McNeish, D. \(2010\) Fair Society, Healthy Lives, The Marmot Review, Strategic Review of Health Inequalities in England Post-2010](#)

[NICE \(2011\) Spatial planning for health: programme of evidence review work \(discontinued\) taken forward by the Spatial Planning and Health Group](#)

[WHO Collaborating Centre for Healthy Urban Environments University of the West of England, Bristol. Working paper: Health inequalities and determinants in the physical urban environment: Evidence briefing \(2012\)](#)

[Environmental health inequalities in Europe \(2012\). Prepared by the World Health Organization Regional Office for Europe](#)

[The Lancet and University College London \(2012\) Shaping Cities for Health: Complexity and the Planning of Urban Environments in the 21st Century](#)

[Department of Health \(2012\) Healthy lives, healthy people: Improving outcomes and supporting transparency - Public Health Outcomes Framework for England 2013–2016](#)

[Department of Health \(2012\) No health without mental health: implementation framework](#)

## 1 Housing quality and design

### Issues to consider

- Accessible and adaptable dwellings
- Internal space standards, orientation and layout
- Affordable housing and dwelling mix
- Energy efficiency.

### Potential health impacts

Access to decent and adequate housing is critically important for health and wellbeing, especially for the very young and very old. Environmental factors, overcrowding and sanitation in buildings as well as unhealthy urban spaces have been widely recognised as causing illness since urban planning was formally introduced. Post-construction management also has impact on community welfare, cohesion and mental wellbeing.

### Possible effects of planning

Negative effects	Positive effects
A lack of affordable housing within communities may compromise the health of low-income residents as they are likely to spend more on housing costs and less on other health needs.	Making provision for affordable housing has the potential to improve wellbeing, while housing quality can be improved by use of appropriate construction methods. This includes use of good materials for noise insulation and energy-efficiency, and detailed design considerations to make sure that homes are accessible, adaptable and well oriented.
Poor choice of location, design and orientation of housing developments can be detrimental to physical and mental health. Housing that is overcrowded can also affect mental health, and lead to physical illness and accidents.	Providing a sufficient range of housing tenures with good basic services is also essential. Adaptable buildings for community uses such as health, education and leisure can contribute towards a sustainable community.
The quality of design, including internal sound insulation, daylighting and provision of private space can influence the health and wellbeing of occupiers.	Providing adaptable homes allows residents to remain in their home despite changing accommodation requirements. In this context, adaptable housing more easily permits care to be provided in the community.

### **London Plan policies (March 2015)**

Policy 3.3 Increasing housing supply

Policy 3.4 Optimising housing potential

Policy 3.5 Quality and design of housing developments

Policy 3.7 Large residential developments

Policy 3.8 Housing choice

Policy 3.9 Mixed and balanced communities

Policy 3.10 Definition of affordable housing

Policy 3.11 Affordable housing targets

Policy 3.12 Negotiating affordable housing on individual private residential and mixed use schemes

Policy 3.13 Affordable housing thresholds

Policy 3.14 Existing housing

Policy 3.15 Coordination of housing development and investment

Policy 3.16 Protection and enhancement of social infrastructure

### **National Planning Policy Framework (March 2012)**

6 Delivering a wide choice of quality homes

7 Requiring good design

8 Promoting healthy communities

### **Supporting information**

[Office of the Deputy Prime Minister \(2004\) The Impact of Overcrowding on Health and Education](#)

[BRE Trust \(2010\) The Real Cost of Poor Housing](#)

[World Health Organization \(2011\) Environmental burden of disease associated with inadequate housing](#)

[Mayor of London \(2012\) Housing Supplementary Planning Guidance](#)

[Mayor of London \(2010\) London Housing Design Guide Interim Edition](#)

[Report of the Marmot Review Built Environment Task Group \(2010\)](#)

[Marmot Review Team \(2011\) The Health Impacts of Cold Homes and Fuel Poverty](#)

[Department for Communities and Local Government Code for Sustainable Homes \(archived\)](#)

[Department for Communities and Local Government \(2012\) Investigation into overheating in homes: Literature review and Analysis of gaps and recommendations](#)

[Lifetime Homes Foundation, Lifetime Homes Standards](#)

[Department for Communities and Local Government \(2008\) Lifetime Homes, Lifetime Neighbourhoods: A National Strategy for Housing in an Ageing Society](#)

[London Assembly \(2011\) Crowded houses, Overcrowding in London's social rented housing](#)

[The City of New York Active \(2010\) Design Guidelines – Promoting physical activity and health in design](#)

## 2 Access to healthcare services and other social infrastructure



### Issues to consider

- Needs and demand for services
- Capacity of existing facilities and services
- Timing, location and accessibility and developer contributions
- Reconfiguring health and social care services
- Multipurpose buildings and co-location of services
- Access and use of buildings by disabled and older people.

### Potential health impacts

Strong, vibrant, sustainable and cohesive communities require good quality, accessible public services and infrastructure. Access to social infrastructure and other services is a key component of Lifetime Neighbourhoods. Encouraging the use of local services is influenced by accessibility, in terms of transport and access into a building, and the range and quality of services offered. Access to good quality health and social care, education (primary, secondary and post-19) and community facilities has a direct positive effect on human health. Opportunities for the community to participate in the planning of these services has the potential to impact positively on mental health and wellbeing and can lead to greater community cohesion.

### Possible effects of planning

Negative effects	Positive effects
Failing to plan for the social infrastructure needs in an area can exacerbate pressure of existing services and worsen health outcomes and inequalities.	The provision of accessible healthcare services and other social infrastructure to support population growth and change is an essential component of creating sustainable, healthy communities.
The under-provision of key services can contribute towards unnecessary extra travel, which can damage the environment and social cohesion.	The planning system can help modernise facilities and improve the quality of services. Developer contributions can help provide and fund new facilities.
For those with mobility problems, including older people, poor access to local services could limit opportunities for social interaction and lead to isolation and depression.	Co-locating some services can improve the effectiveness and efficiency of service delivery, for example, primary health and social care, dentistry and pharmacies.
	Access to a range of education, primary, secondary and post-19 improves self-esteem, job opportunities and earning capability.



### **London Plan policies (March 2015)**

Policy 2.12 Central Activities Zone – predominantly local activities

Policy 3.16 Protection and enhancement of social infrastructure

Policy 3.17 Health and social care facilities

Policy 3.18 Education facilities

Policy 3.19 Sports facilities

Policy 7.1 Lifetime neighbourhoods

Policy 7.2 An inclusive environment

### **National Planning Policy Framework (March 2012)**

8 Promoting healthy communities

Paragraph 162 Infrastructure planning

Paragraph 203-206 Planning conditions and obligations

### **Supporting information**

[Mayor of London \(2010\) Health Inequalities Strategy](#)

[Mayor of London \(2015\) Social Infrastructure Supplementary Planning Guidance](#)

[Report of the Marmot Review Social Inclusion and Social Mobility Task Group \(2010\)](#)

[NHS London Healthy Urban Development Unit Planning Contributions Tool \(the HUDU Model\)](#)

[NHS London Healthy Urban Development Unit, London Thames Gateway Social Infrastructure Framework](#)

[Institute of Public Health in Ireland \(2008\) Health Impacts of Education: a review](#)

[Environmental Audit Committee inquiry into Transport and the Accessibility of Public Services](#)

[Building Research Establishment Environmental Assessment Method \(BREEAM\)](#)

[Sport England, Accessing schools for community use](#)

### 3 Access to open space and nature



#### Issues to consider

- Opportunities for physical activity
- Access to open and natural space
- Formal and informal outdoor play spaces
- Maintenance of open space and sports facilities
- Integration with other outdoor uses such as food growing.

#### Potential health impacts

Providing secure, convenient and attractive open/green space can lead to more physical activity and reduce levels of heart disease, strokes and other ill-health problems that are associated with both sedentary occupations and stressful lifestyles. There is growing evidence that access to parks and open spaces and nature can help to maintain or improve mental health.

The patterns of physical activity established in childhood are perceived to be a key determinant of adult behaviour; a growing number of children are missing out on regular exercise, and an increasing number of children are being diagnosed as obese. Access to play spaces, community or sport facilities such as sport pitches can encourage physical activity. There is a strong correlation between the quality of open space and the frequency of use for physical activity, social interaction or relaxation.

#### Possible effects of planning

Negative effects	Positive effects
Failing to protect local green spaces and playing fields near to communities can limit opportunities for physical activity.	The provision of publicly accessible green spaces and play spaces can encourage physical activity and maintain or improve mental health.
Green spaces that are of poor quality, feel unsafe, or are inaccessible will discourage physical activity and social interaction.	A growing population, particularly an increase in children will require a range of formal and informal play spaces and equipment.
Failing to provide a range of different types of open and play spaces may place pressure on existing spaces where formal and informal activities may conflict with each other.	Natural spaces and tree cover provide areas of shade and can improve the air quality in urban areas.
	There may be opportunities to integrate play spaces with other related health and environmental programmes such as food growing and increasing biodiversity.

**London Plan policies (March 2015)**

Policy 2.4 The 2012 Games and their legacy

Policy 2.18 Green infrastructure: the multi-functional network of green and open spaces

Policy 3.6 Children and young people's play and informal recreation facilities

Policy 5.1 Climate change mitigation

Policy 5.2 Minimising carbon dioxide emissions

Policy 7.1 Lifetime neighbourhoods

Policy 7.18 Protecting open space and addressing deficiency

Policy 7.19 Biodiversity and access to nature

Policy 7.22 Land for food

**National Planning Policy Framework (March 2012)**

8 Promoting healthy communities

9 Protecting Green Belt land

11 Conserving and enhancing the natural environment

**Supporting information**

[Department of Health \(2011\) Healthy Lives, Healthy People: A Call to Action on Obesity in England](#)

[Department for Environment Food and Rural Affairs \(2011\) Natural Environment White Paper: Natural Choice securing the value of nature](#)

[UK National Ecosystem Assessment \(2011\)](#)

[Foresight Report \(2007\) Tackling Obesities: future choices](#)

[NICE \(2008\) Guidance on the promotion and creation of physical environments that support increased levels of physical activity \(PH8\)](#)

[Report of the Marmot Review Built Environment Task Group \(2010\)](#)

[Mayor of London \(2010\) Health Inequalities Strategy](#)

[London Health Board](#)

[Well London programme](#)

[Mayor of London \(2012\) Shaping Neighbourhoods: Play and Informal Recreation SPG](#)

[Faculty of Public Health \(2010\) Great Outdoors: How Our Natural Health Service Uses Green Space To Improve Wellbeing](#)

[Sustainable Development Commission \(2008\) Health, Place and Nature](#) (archived)

[Sport England Active Design](#)

## 4 Air quality, noise and neighbourhood amenity



### Issues to consider

- Construction impacts
- Air quality
- Land contamination
- Noise, vibration and odour
- Quality of the local environment
- Provision of green space and trees.

### Potential health impacts

The quality of the local environment can have a significant impact on physical and mental health. Pollution caused by construction, traffic and commercial activity can result in poor air quality, noise nuisance and vibration. Poor air quality is linked to incidence of chronic lung disease (chronic bronchitis or emphysema) and heart conditions and asthma levels of among children. Noise pollution can have a detrimental impact on health resulting in sleep disturbance, cardiovascular and psycho-physiological effects. Good design and the separation of land uses can lessen noise impacts.

### Possible effects of planning

Negative effects	Positive effects
Construction can result in exposure to land contamination, deterioration in air quality and nuisance from noise, dust, vibration and odours.	The use of construction management plans can lessen construction impacts, particularly hours of working and construction traffic movements.
High levels of road traffic and congestion generated by new developments can result in higher levels of air pollution and noise.	Reduced levels of car parking and travel plans which encourage the use of public transport, cycling and walking will result in better local environmental conditions.
The close proximity of residential units to industrial uses or uses generating late night noise can cause nuisance.	Good design and the sensitive location and orientation of residential units can lessen noise impacts.
	Natural spaces and trees can improve the air quality in urban areas.

### **London Plan policies (March 2015)**

Policy 7.1 Lifetime neighbourhoods

Policy 7.2 An inclusive environment

Policy 7.14 Improving air quality

Policy 7.15 Reducing and managing noise, improving and enhancing the acoustic environment and promoting appropriate soundscapes

### **National Planning Policy Framework (March 2012)**

9 Protecting Green Belt land

11 Conserving and enhancing the natural environment

Paragraph 200 Tailoring planning controls to local circumstances

### **Supporting information**

[Mayor of London \(2010\) Air Quality Strategy 'Clearing the Air'](#)

[Report of the Marmot Review Built Environment Task Group \(2010\)](#)

[Mayor of London \(2014\) The Control of Dust and Emissions During Construction and Demolition SPG](#)

[Environmental Protection UK \(2010\) Development Control: Planning for Air Quality](#)

[British Medical Association \(July 2012\) Healthy transport = Healthy lives](#)

[Health Protection Agency \(2010\) Environmental Noise and Health in the UK](#)

[European Environment Agency \(2010\) Good practice guide on noise exposure and potential health effects, EEA Technical report No 11/2010](#)

## 5 Accessibility and active travel



### Issues to consider

- Streetscape
- Opportunities for walking and cycling
- Access to public transport
- Minimising the need to travel
- Discouraging car use
- Road traffic injuries.

### Potential health impacts

Convenient access to a range of services and facilities minimises the need to travel and provides greater opportunities for social interaction. Buildings and spaces that are easily accessible and safe also encourage all groups, including older people and people with a disability, to use them. Discouraging car use and providing opportunities for walking and cycling can increase physical activity and help prevent chronic diseases, reduce risk of premature death and improve mental health.

### Possible effects of planning

Negative impacts	Positive impacts
Greater traffic volumes and speeds have increased the risk of road traffic injuries, with pedestrians and cyclists being particularly vulnerable.	Combining active travel and public transport options can help people achieve recommended daily physical activity levels
Poor urban planning has prioritised the car over pedestrians and increased community severance.	By attending to inclusive design, access, orientation and streetscape planners can make it easier for people to access facilities using public transport, walking or cycling.
Over provision of car parking in a development can undermine other travel modes such as public transport and cycling.	Reduced levels of car parking and travel plans which encourage the use of public transport, cycling and walking will result in increased opportunities for active travel.
	Planning can promote cycling and walking by connecting routes and public to wider networks, providing safe junctions and calming traffic and providing secure cycle parking spaces.

### **London Plan policies (March 2015)**

Policy 2.7 Outer London: economy

Policy 2.8 Outer London: transport

Policy 2.9 Inner London

Policy 2.13 Opportunity Areas and Intensification Areas

Policy 2.15 Town Centres

Policy 6.4 Enhancing London's transport connectivity

Policy 6.7 Better streets and surface transport

Policy 6.9 Cycling

Policy 6.10 Walking

Policy 6.11 Smoothing traffic flow and tackling congestion

Policy 6.13 Parking

Policy 7.2 An inclusive environment

### **National Planning Policy Framework (March 2012)**

4. Promoting sustainable transport

7 Requiring good design

8 Promoting healthy communities

### **Supporting information**

[World Health Organization \(2011\) Health economic assessment tools \(HEAT\) for walking and for cycling](#)

[Mayor of London \(2010\) Transport Strategy for London](#)

[Mayor of London \(2010\) Cycling Revolution London: London's Cycling Strategy](#)

[Report of the Marmot Review Built Environment Task Group \(2010\)](#)

[Bristol City Council Essential evidence – benefits of cycling and walking](#)

[Chartered Institution of Highways and Transportation \(2010\) Manual for Streets 2](#)

[Department for Transport \(2014\) Active Mode Appraisal \(Walking and Cycling\)](#)

[Department for Transport Local Transport Note 1/11: Shared Space](#)

[Department for Transport \(2012\) Investigating the potential health benefits of increasing cycling in the Cycling City and Towns](#)

[The City of New York Active \(2010\) Design Guidelines – Promoting physical activity and health in design](#)



[Transport for London \(2013\) Transport planning for healthier lifestyles: A best practice guide](#)

[Department of Transport and Department of Health, January 2011, Transport and Health Resource: Delivering Healthy Local Transport Plans](#)

[British Medical Association \(July 2012\) Healthy transport = Healthy lives](#)

## 6 Crime reduction and community safety

### Issues to consider

- Designing out crime
- Security and street surveillance
- Mix of uses
- Community engagement.

### Potential health impacts

Thoughtful planning and urban design that promotes natural surveillance and social interaction can help to reduce crime and the ‘fear of crime’, both of which impacts on the mental wellbeing of residents. As well as the immediate physical and psychological impact of being a victim of crime, people can also suffer indirect long-term health consequences including disability, victimisation and isolation because of fear. Community engagement in development proposals can lessen fears and concerns.

### Possible effects of planning

Negative effects	Positive effects
Poor urban design can exacerbate crime and community safety by creating under-used, isolated spaces without natural surveillance and segregate places by creating barriers such as roads.	The detailed design and layout of residential and commercial areas can ensure natural surveillance over public space. This can be assisted by creating places which enable possibilities for community interaction and avoiding social exclusion
Where the local pedestrian environment is intimidating and inconvenient people are more likely to use cars more or go out less. This reduces social interaction and increases the potential for crime.	Active use of streets and public spaces, combined with effective lighting, is likely to decrease opportunities for anti-social behaviour or criminal activity.
A 24 hour or ‘evening’ economy could generate anti-social behaviour and disturbance.	Planners can work with the police to get their advice on making development proposals ‘secured by design’. They can also involve communities to foster a sense of ownership and empowerment, which can also help to enhance community safety.

### **London Plan policies (March 2015)**

Policy 1.1 Delivering the strategic vision and objectives for London

Policy 2.15 Town Centres

Policy 3.6 Children and young people's play and informal recreation facilities

Policy 3.16 Protection and enhancement of social infrastructure

Policy 7.2 An inclusive environment

Policy 7.3 Designing out crime

Policy 7.13 Safety, security and resilience to emergency

### **National Planning Policy Framework (March 2012)**

7 Requiring good design

8 Promoting healthy communities

### **Supporting information**

[Mayor of London \(2010\) Health Inequalities Strategy](#)

[Report of the Marmot Review Built Environment Task Group \(2010\)](#)

[Department of Health \(2012\) No health without mental health: implementation framework](#)

[ODPM \(2004\) Safer Places – the planning system and crime prevention](#) (archived)

[Secured By Design - Design Guides](#)

[Design Council - Design out Crime](#)

[CABE \(2009\) This Way to Better Residential Streets](#)

## 7 Access to healthy food



### Issues to consider

- Healthy localised food supply
- Hot food takeaways
- Social enterprises
- Allotments and community food growing spaces.

### Potential health impacts

Access to healthy and nutritious food can improve diet and prevent chronic diseases related to obesity. People on low incomes, including young families, older people are the least able to eat well because of lack of access to nutritious food. They are more likely to have access to food that is high in salt, oil, energy-dense fat and sugar.

Opportunities to grow and purchase local healthy food and limiting concentrations of hot food takeaways can change eating behaviour and improve physical and mental health.

### Possible effects of planning

Negative effects	Positive effects
The centralisation of shopping facilities and growth of large supermarkets can reduce the variety of foods available locally and disadvantage those on limited income to afford a healthy diet.	By considering food access, location and how to facilitate social enterprises planners can help to create the conditions that enable low income people to have better and affordable access to nutritious food.
Redevelopment local allotments, gardens or agricultural land can also reduce the potential for locally grown food.	Planning can assist by preserving and protecting areas for small-scale community projects and local food production, including allotments.
An overconcentration of hot food takeaways can restrict healthy eating choices.	Planning can promote an increase in the diversity of shopping facilities in local centres, restrict large supermarkets, and limit concentrations of hot food takeaways.

### **London Plan policies (March 2015)**

Policy 2.15 Town Centres

Policy 2.18 Green infrastructure: the multi-functional network of green and open spaces

Policy 4.8 Supporting a successful and diverse retail sector and related facilities and services

Policy 5.11 Green roofs and development site environs

Policy 7.22 Land for food

### **National Planning Policy Framework (March 2012)**

2. Ensuring the vitality of town centres

7 Requiring good design

8 Promoting healthy communities

### **Supporting information**

[Department of Health \(2011\) Healthy Lives, Healthy People: A Call to Action on Obesity in England](#)

[Mayor of London \(2010\) Health Inequalities Strategy](#)

[London Food](#)

[London Health Board](#)

[Well London programme](#)

[Foresight Report \(2007\) Tackling Obesities: future choices](#)

[Report of the Marmot Sustainable Development Task Group \(2010\)](#)

[Sustain \(2011\) Good planning for good food - using planning policy for local and sustainable food](#)

## 8 Access to work and training



### Issues to consider

- Access to employment and training
- Job diversity
- Childcare
- Business support.

### Potential health impacts

Employment and income is a key determinant of health and wellbeing. Unemployment generally leads to poverty, illness and a reduction in personal and social esteem. Works aids recovery from physical and mental illnesses.

### Possible effects of planning

Negative effects	Positive effects
Locating employment in inaccessible locations or failing to provide a diversity of local jobs or training opportunities can negatively affect health and mental wellbeing both directly and indirectly.	Urban planning linked to clear strategies for economic regeneration, allocation of appropriate sites and coordination of infrastructure provision can help to facilitate attractive opportunities for businesses, encourage diversity in employment and ensure that local jobs are retained.
A poor quality environment and lack of infrastructure can make places less competitive or attractive to business investment.	Equitable transport strategies can play an important part in providing access to job opportunities. The provision of local work can encourage shorter trip lengths, reduce emissions from transport and enable people to walk or cycle.
A lack of business and employee support through affordable business space and childcare provision can hinder economic and growth and employment opportunities.	Access to other support services, notably childcare, can make employment opportunities easier to access.

### **London Plan policies (March 2015)**

- Policy 2.7 Outer London: economy
- Policy 2.14 Areas for regeneration
- Policy 2.16 Strategic outer London development centres
- Policy 2.17 Strategic industrial locations
- Policy 3.2 Improving health and addressing health inequalities
- Policy 3.18 Education facilities
- Policy 4.12 Improving opportunities for all
- Policy 6.4 Enhancing London's transport connectivity
- Policy 8.2 Planning obligations
- Policy 8.3 Community infrastructure levy

### **National Planning Policy Framework (March 2012)**

- 1 Building a strong, competitive economy
- 2 Ensuring the vitality of town centres
- 3 Supporting a prosperous rural economy

### **Supporting information**

[Department for Work and Pensions Cross-Government initiative 'Health, Work and Well-being'](#)

[Mayor of London \(2010\) Health Inequalities Strategy](#)

[Mayor of London \(2010\) Economic Development Strategy](#)

[Report of the Marmot Review Social Inclusion and Social Mobility Task Group \(2010\)](#)

[Report of Marmot Review Employment and Work Task Group \(2010\)](#)

[Leeds Metropolitan University \(2010\) Mental Health and Employment review](#)

## 9 Social cohesion and lifetime neighbourhoods



### Issues to consider

- Social interaction
- Mixed communities
- Access to community facilities
- Voluntary sector involvement
- Community severance
- Lifetime neighbourhoods.

### Potential health impacts

Friendship and supportive networks in a community can help to reduce depression and levels of chronic illness as well as speed recovery after illness and improve wellbeing. Fragmentation of social structures can lead to communities demarcated by socio-economic status, age and/or ethnicity, which can lead to isolation, insecurity and a lack of cohesion.

Voluntary and community groups, properly supported, can help to build up networks for people who are isolated and disconnected, and to provide meaningful interaction to improve mental wellbeing.

Lifetime Neighbourhoods places the design criteria of Lifetime Homes into a wider context. It encourages planners to help create environments that people of all ages and abilities can access and enjoy, and to facilitate communities that people can participate in, interact and feel safe.

### Possible effects of planning

Negative effects	Positive effects
Social cohesion can be undermined by insensitive housing redevelopment and dispersal of resident communities.	Urban planning can help to facilitate social cohesion by creating safe and permeable environments with places where people can meet informally.
Community cohesion can also be affected by infrastructure such as roads or other development that severs community links. Large schemes may disrupt familiar walking routes, or create a barrier to movement.	Mixed-use developments in town centres and residential neighbourhoods can help to widen social options for people.
Poor planning may also result in the loss of community facilities.	The provision of a range of diverse local employment opportunities (paid and unpaid) can also improve both social cohesion and mental wellbeing.
Planning does not directly affect income but it does have many indirect effects. The	



Negative effects	Positive effects
<p>planning system can be used, for example, to hinder or to help the process of providing a range of facilities and providing opportunities for improving levels of equity.</p>	

**London Plan policies (March 2015)**

Policy 3.1 Ensuring equal life chances for all

Policy 3.9 Mixed and balanced communities

Policy 3.16 Protection and enhancement of social infrastructure

Policy 7.1 Lifetime neighbourhoods

Policy 7.2 An inclusive environment

Policy 7.3 Designing out crime

**National Planning Policy Framework (March 2012)**

8 Promoting healthy communities

**Supporting information**

[Health Development Agency \(2002\) Social capital for health: Insights from qualitative research](#)

[Mayor of London \(2010\) Health Inequalities Strategy](#)

[Well London programme](#)

[Report of the Marmot Review Social Inclusion and Social Mobility Task Group \(2010\)](#)

[Report of Marmot Review Employment and Work Task Group \(2010\)](#)

[Department for Communities and Local Government \(2011\) Lifetime Neighbourhoods](#)

[National MWIA Collaborative \(England\) \(2011\) Mental Health Wellbeing Impact Assessment: A Toolkit for Well-being](#)

[Office for National Statistics: societal wellbeing theme](#)

[Young Foundation \(2010\) Cohesive Communities](#)

## 10 Minimising the use of resources



### Issues to consider

- Making the best use of existing land
- Recycling and reuse
- Sustainable design and construction
- Waste management
- Potential hazards.

### Potential health impacts

Reducing or minimising waste including disposal, processes for construction as well as encouraging recycling at all levels can improve human health directly and indirectly by minimising environmental impact, such as air pollution.

### Possible effects of planning

Negative effects	Positive effects
If left unchecked, disposal of significant hazardous waste can have a serious impact on the health of those communities living near to collection or disposal sites.	Planning can impose standards and criteria on hazardous waste disposal, recycling and domestic waste and that linked to development. It can ensure that hazardous waste is disposed of correctly, as well as ensure that local recycled and renewable materials are used whenever possible in the building construction process.
Sending out waste from a redevelopment site to be sorted or disposed can increase vehicle movements, emissions and cause significant disruption including noise and dust which can contribute towards health problems for residents	Redevelopment on brownfield sites or derelict urban land also ensures that land is effectively used, recycled and enhanced
There are also ecological impacts (stripping of materials, mining for minerals etc) through excessive use of resources from a scarce global environment.	Through encouraging reduction, reuse and recycling, resource minimisation can be better realised and contribute towards a better environment. Examples of various standards to consider include BREEAM (Building Research Establishment Environmental Assessment Method) and

Negative effects	Positive effects
	CEEQUAL (Civil Engineering Environmental Quality Assessment), which are benchmarking tools for non-residential buildings and infrastructure projects.

**London Plan policies (March 2015)**

Policy 5.3 Sustainable design and construction

Policy 5.14 Water quality and wastewater infrastructure

Policy 5.16 Waste net self-sufficiency

Policy 5.17 Waste capacity

Policy 5.18 Construction, excavation and demolition waste

Policy 5.19 Hazardous waste

Policy 5.20 Aggregates

Policy 5.21 Contaminated land

Policy 5.22 Hazardous substances and installations

**National Planning Policy Framework (March 2012)**

10 Meeting the challenge of climate change, flooding and coastal change

11 Conserving and enhancing the natural environment

13 Facilitating the sustainable use of minerals

**Supporting information**

[Mayor of London \(2011\) Waste Management Strategies](#)

[Report of the Marmot Sustainable Development Task Group \(2010\)](#)

[Mayor of London \(2014\) The Control of Dust and Emissions During Construction and Demolition SPG](#)

[Building Research Establishment Environmental Assessment Method \(BREEAM\)](#)

[Recycle for London](#)

[London Waste and Recycling Board](#)

## 11 Climate change



### Issues to consider

- Renewable energy
- Sustainable transport
- Building design
- Biodiversity
- Flood risk and drainage.

### Potential health impacts

There is a clear link between climate change and health. The Marmot Review is clear that local areas should prioritise policies and interventions that ‘reduce both health inequalities and mitigate climate change’ because of the likelihood that people with the poorest health would be hit hardest by the impacts of climate change.

Planning is at the forefront of both trying to reduce carbon emissions and to adapt urban environments to cope with higher temperatures, more uncertain rainfall, and more extreme weather events and their impacts such as flooding. Poorly designed homes can lead to fuel poverty in winter and overheating in summer contributing to excess winter and summer deaths. Developments that take advantage of sunlight, tree planting and accessible green/brown roofs also have the potential to contribute towards the mental wellbeing of residents.

### Possible effects of planning

Negative effects	Positive effects
Planning can exacerbate the impacts of climate change by failing to consider relevant influences such as location, materials, designs or technologies that could help to reduce energy consumption or reduce the environmental impact of energy generation.	Urban planning can help to reduce greenhouse gas emissions by requiring lower energy use in buildings and transport, and by encouraging renewable energy sources.
Building in flood plain areas or a lack of local sustainable urban drainage measures may lead to greater flood risk.	Planning can address sustainability and environmental considerations through the use of standards that will help to reduce energy demands and increase the amount of renewable energy.
Neglecting to consider the microclimate for the siting of a proposed development, and the influence the development might have on that microclimate, could lead to new	Design techniques can ensure that new housing and public realm can adapt to changes in temperature.

Negative effects	Positive effects
buildings that are neither suitable nor adaptable to their environment.	
	Flood risk can be reduced through a sequential approach to locating development and by introducing mitigation measures, such as sustainable urban drainage systems in new developments.

**London Plan policies (March 2015)**

- Policy 5.1 Climate change mitigation
- Policy 5.2 Minimising carbon dioxide emissions
- Policy 5.3 Sustainable design and construction
- Policy 5.4 Retrofitting
- Policy 5.5 Decentralised energy networks
- Policy 5.6 Decentralised energy in development proposals
- Policy 5.7 Renewable energy
- Policy 5.8 Innovative energy technologies
- Policy 5.9 Overheating and cooling
- Policy 5.10 Urban greening
- Policy 5.11 Green roofs and development site environs
- Policy 5.12 Flood risk management
- Policy 5.13 Sustainable drainage
- Policy 5.14 Water quality and wastewater infrastructure
- Policy 5.15 Water use and supplies

**National Planning Policy Framework (March 2012)**

- 10 Meeting the challenge of climate change, flooding and coastal change

**Supporting information**

[Mayor of London \(2011\) Delivering London’s Energy Future: The Mayor’s Climate Change Mitigation and Energy Strategy](#)

[Mayor of London \(2011\) Managing Risks and Increasing Resilience: The Mayor’s Climate Change Adaptation Strategy](#)

[Mayor of London \(2010\) Transport Strategy for London](#)

[Department for Communities and Local Government \(2012\) Investigation into overheating in homes: Literature review](#)

[Building Research Establishment Environmental Assessment Method \(BREEAM\)](#)

[Report of the Marmot Sustainable Development Task Group \(2010\)](#)

[Green and Blue Space Adaptation for Urban Areas and Eco Towns \(GRaBS\) project](#)

[NHS Sustainable Development Unit \(2009\) Saving Carbon, Improving Health – NHS Carbon Reduction Strategy for England](#)

[Lancet \(2009\) Health benefits of tackling climate change: evidence](#)

[Department for Environment, Food and Rural Affairs \(2014\) UK Climate Change Adaptation and Climate Change Risk Assessment](#)

NHS London Healthy Urban Development Unit

[www.healthyurbandevlopment.nhs.uk](http://www.healthyurbandevlopment.nhs.uk)

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