London: Health and Housing

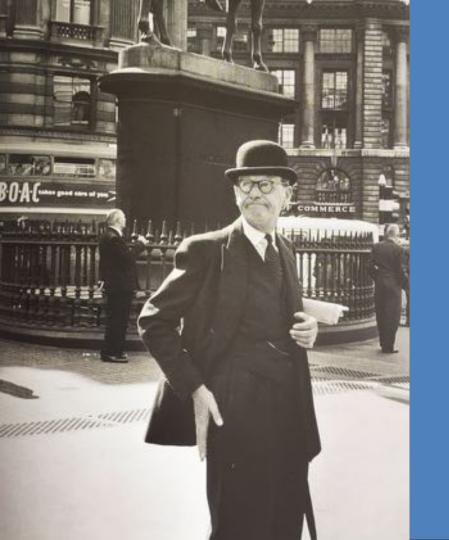
John Cooper

Director John Cooper Architecture

Architects for Health









ROYAL COLLEGE OF PHYSICIANS LONDON | 27-28 JUNE 2016

EUROPEAN HEALTHCARE DESIGN

RESEARCH • POLICY • PRACTICE









Sidération au Royaume-Uni et beaucoup d'interrogations dans les pays de l'Union après la victoire, à 51,9%, du Brexit porté notamment par Boris Johnson. ROYAL COLLEGE OF PHYSICIANS LONDON | 11-14 JUNE 2017

EUROPEAN HEALTHCARE DESIGN

RESEARCH • POLICY • PRACTICE

YOUR CHOICE AT THIS ELECTION:

STRONG, STABLE
LEADERSHIP FOR THE
UNITED KINGDOM



A COALITION OF CHAOS WITH JEREMY CORBYN





hung parliament







Time present and past



Thomas Holt 1844 - 1906



Beatrice Cooper nee Holt 1887 - 1972



John Cooper 1951 -

1850

1900

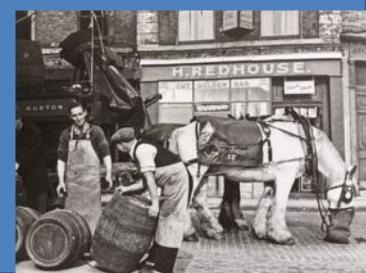
1950

2000

My London 1951- 2017







My London 1951- 2017



My London 1951- 2017



Time present and future



John Cooper 1951 -



Holly Allen Cooper 1987 -



My potential grandchildren 2020-2150

1950 2000 2050 2100





FOG IN THE CHANNEL, CONTINENT CUT OFF







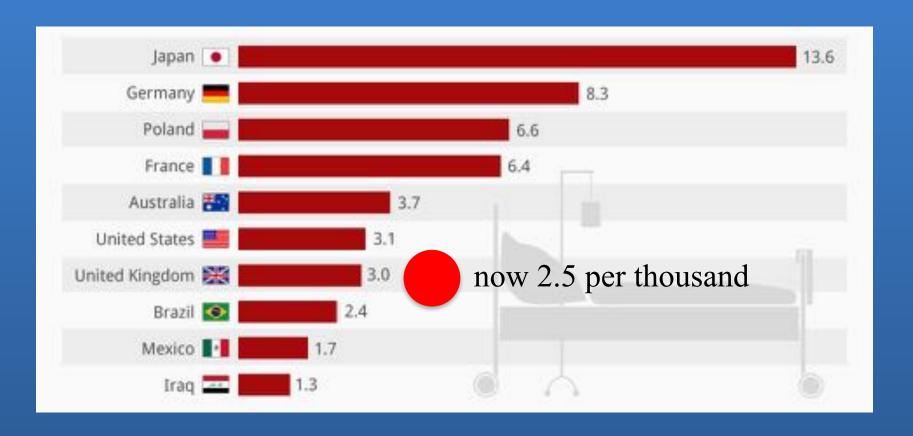
Population

London's GDP = Sweden





Comparative hospital bed numbers per thousand population



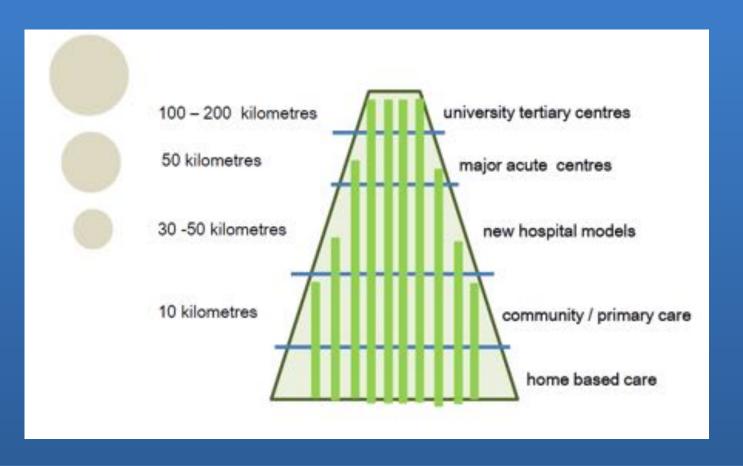
London's bed numbers: 21 375 (JC calculation)

2.5 per thousand: 22 500

Population rising by 40 000 per annum

Additional 100 beds required per annum

The need for new models for acute care



Industrial age medicine

Information age medicine



Despite it's vast wealth London's health estate is much poorer than many of the country's leading cities



BARTS HEALTH NHS TRUST 1,906	1,706
LONDON NORTH WEST HEALTHCARE NHS TRUST 1,204	1,135
ROYAL FREE LONDON NHS FOUNDATION TRUST 1,037	954
ROYAL NATIONAL ORTHOPAEDIC HOSPITAL NHS TRUST 167	167
NORTH MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST 547	498
THE HILLINGDON HOSPITALS NHS FOUNDATION TRUST 519	451
NORTH EAST LONDON NHS FOUNDATION TRUST 404	180
KINGSTON HOSPITAL NHS FOUNDATION TRUST 474	419
BARKING, HAVERING AND REDBRIDGE UNIVERSITY HOSPITALS NHS TRUST 968	906
GUY'S AND ST THOMAS' NHS FOUNDATION TRUST 1,100	1,002
LEWISHAM AND GREENWICH NHS TRUST 982	888
CROYDON HEALTH SERVICES NHS TRUST 550	489
ST GEORGE'S UNIVERSITY HOSPITALS NHS FOUNDATION TRUST 998	932
KING'S COLLEGE HOSPITAL NHS FOUNDATION TRUST 1,368	1,248
THE WHITTINGTON HOSPITAL NHS TRUST 342	279
WEST LONDON MENTAL HEALTH NHS TRUST 769	20
GREAT ORMOND STREET HOSPITAL FOR CHILDREN NHS FOUNDATION TRUST 289	280
MOORFIELDS EYE HOSPITAL NHS FOUNDATION TRUST 9	9
OXLEAS NHS FOUNDATION TRUST 432	-
THE ROYAL MARSDEN NHS FOUNDATION TRUST 188	188
CHELSEA AND WESTMINSTER HOSPITAL NHS FOUNDATION TRUST 918	742
HOMERTON UNIVERSITY HOSPITAL NHS FOUNDATION TRUST 433	392
SOUTH WEST LONDON AND ST GEORGE'S MENTAL HEALTH NHS TRUST 417	
BARNET, ENFIELD AND HARINGEY MENTAL HEALTH NHS TRUST 488	-
UNIVERSITY COLLEGE LONDON HOSPITALS NHS FOUNDATION TRUST 913	829
ROYAL BROMPTON & HAREFIELD NHS FOUNDATION TRUST 386	386
CENTRAL AND NORTH WEST LONDON NHS FOUNDATION TRUST 848	82
EPSOM AND ST HELIER UNIVERSITY HOSPITALS NHS TRUST 918	821
EAST LONDON NHS FOUNDATION TRUST 946	32
IMPERIAL COLLEGE HEALTHCARE NHS TRUST 1,165	1,024
CENTRAL LONDON COMMUNITY HEALTHCARE NHS TRUST 117	117
CAMDEN AND ISLINGTON NHS FOUNDATION TRUST 186	







King's College London University

23rd in world rankings

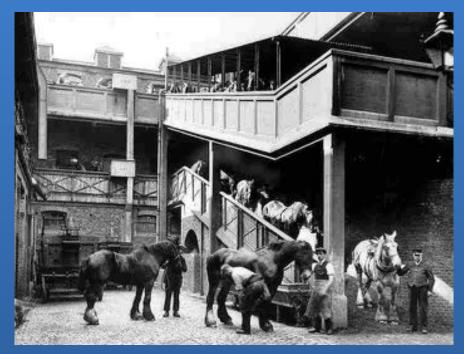
































London's healthcare estate is worth approximately £12 billion



London transport infrastructure investment: 2011 - 2015£75 billion 2016 - 2020£80 billion £120 billion 2012 - 2015Average per annum: £16 billion / year

London transport infrastructure investment: 2011 - 2015£75 billion 2016 - 2020£80 billion £120 billion 2020 - 2025Average per annum: £16 billion / year



London Residential Investment:

Never has it been greater

Battersea Power Station:

Nine Elms:









Investment Budget: mixed use development



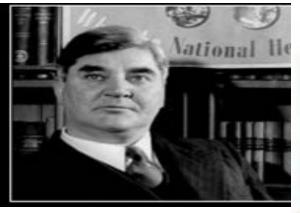


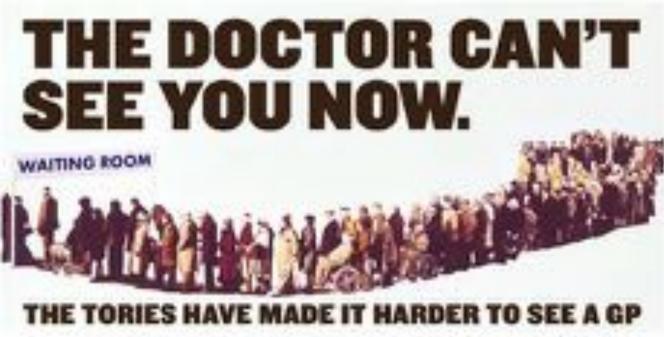




NHS

The most politically sensitive institution in the UK





Current blockages to any development

- Procurement
- Business cases
- Overly interested parties
- Absence of leadership
- Inactivity: easier to manage than forward motion

Flaring off money by doing nothing

The NHS has been rather wasteful at redeveloping its estate and providing a new generation of health facilities

Small South East England Trust:

Last four years

£1 million abortive design fees

£2.5 million abortive project costs

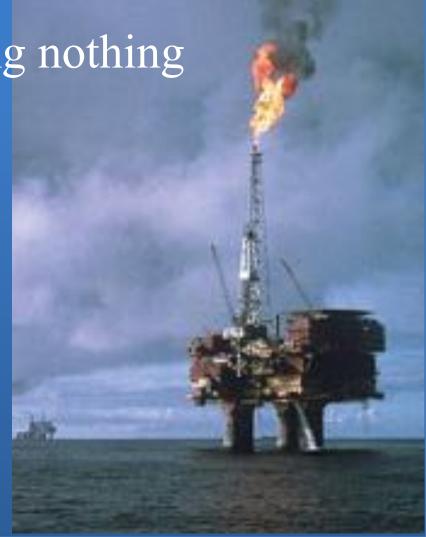
£2 million unnecessary build costs

Foundation Trusts in competition for survival

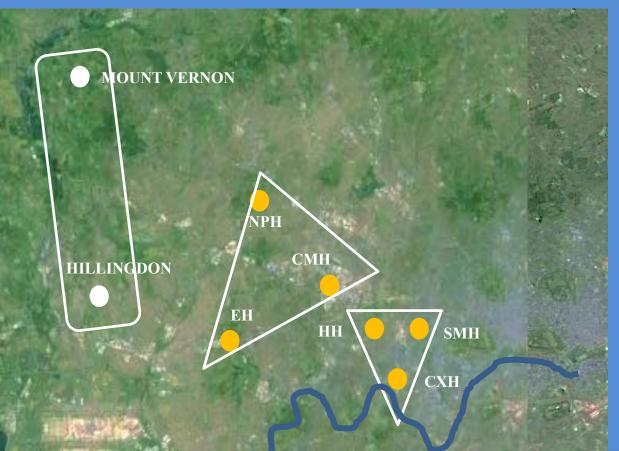
Major PFI failure: £17 million

+ £10 million collateral damage

to failed bidders



Shaping a Healthier Future



North West London

Imperial College Healthcare NHST

St Mary's

Charing Cross

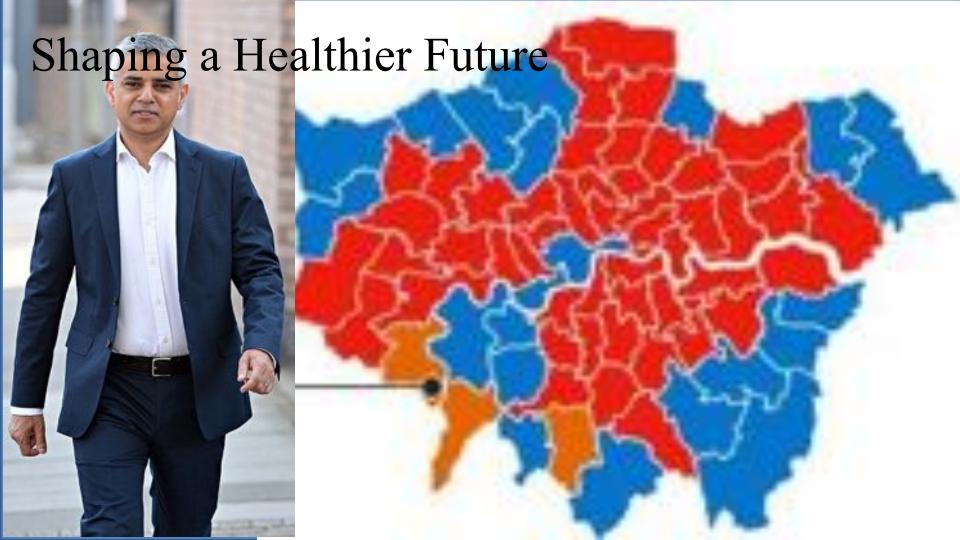
Hammersmith

London North West Healthcare NHST

Northwick Park

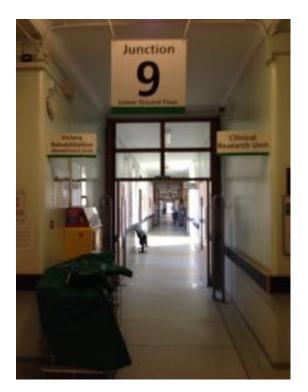
Central Middlesex

Ealing



Addressing London's Greatest Challenges:

Healthcare



Housing



London's healthcare estate is worth approximately £12 billion

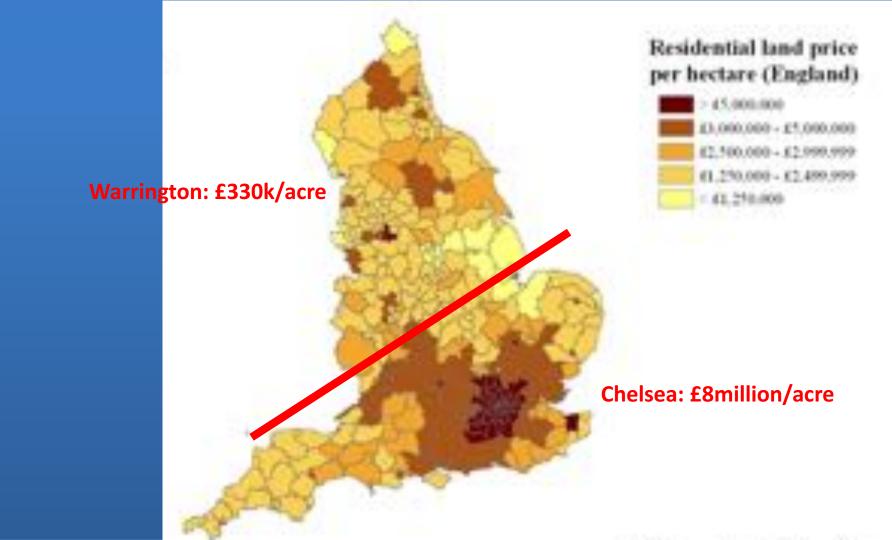


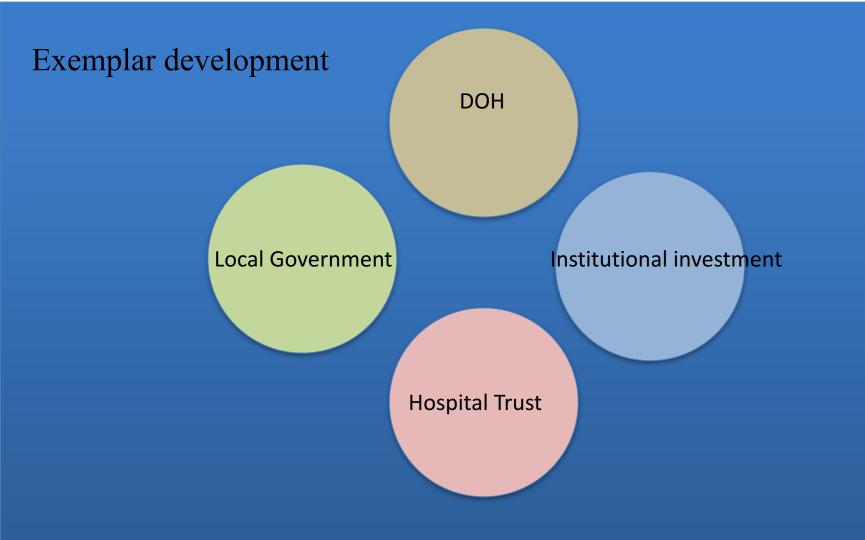
Let us consider central planning











Let us remember



In 1987 I paid £2 040 local tax
The same band today is around £2 400

The pound in 1987 was worth 2.55 what it is today

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Development target of 10-15 000 homes on this estate and the transformation of clinical services

Re-shaping the existing estate



Community Hospital









Whipps Cross Redevelopment

Current estate

Too large to close and too expensive to redevelop, Whipps Cross was put in the 'too difficult' box after its PFI project collapsed ten years ago and its financial woes precluded any further discussions about reconstruction.

Hidden from public view behind a belt of forest woodland, it has served North East London for more than a century. Built as a workhouse hospital 110 years ago many of the original inhabitants of the West Ham Union Infirmary – the Edwardian poor – would have little difficulty in recognising their old home as much of the fabric remains in clinical use.

Nearly half the buildings at Whipps Cross are older than the NHS and many of those which have been added over the last sixty years are in the wrong place and are no longer fit for purpose.



Whipps Cross Redevelopment

17.8 hectare site

Potential for:

1000 new dwellings

New hospital

CCG hub

Housing:

For sale Affordable Sheltered Assisted Step down



Current estate

original workhouse core interwar/postwar additions 1970s development 1980/90s development 1995- present day

43% of buildings predate NHS

65% of buildings over 25 years old (accumulative)



Housing

Develop 250 -300 housing units

Potential sale value of the flats and houses:

£100 - £130 million

Pump priming for hospital redevelopment



Hospital

By linking with existing facilities to the south of the hospital street new build can be limited to 55 000m2

£275 -330 million @£5000 - 6000/m2



Option One

Build the new acute hub first

Then build **900-1100** housing units for all forms of tenure

Then redevelop remaining hospital estate over time



Option Two

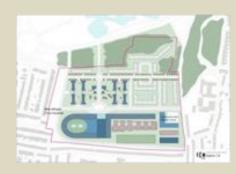
Develop for sale 280 - 340 housing units for sale

Then develop the **75 000sm** new acute hub first

Then build **600-720** housing units:

for sale, affordable, sheltered assisted care

At the same time complete the healthcare development



OPTION ONE HOSPITAL ON SOUTH SIDE

New Build 650 -750 apartments Three – Six storey buildings Mix of 1B, 2B, 3B apartments 64 bed nursing home

Workhouse Buildings conversion

Refurbishment and New Build 180 -200 apartments Mix of 1B, 2B, 3B apartments



OPTION TWO HOSPITAL ON NORTH SIDE

New Build
650-700 Apartments
70 Town houses
64 bed nursing home
Three – Six storey buildings
Mix of 1B, 2B, 3B apartments

Workhouse Buildings conversion

Refurbishment and New Build 180 -200 apartments Mix of 1B, 2B, 3B apartments

Whipps Cross Redevelopment

residential potential

These figures are a very preliminary estimate of the site's capacity for residential development.

They indicate that there is potential for a development of 850-1050 units – a very sizeable contribution to the housing needs in Redbridge and Waltham Forest

A health village:
Acute beds / step down beds/
nursing beds/sheltered housing/
affordable housing/ housing for sale



Whipps Cross



The original buildings had architectural qualities

Whipps Cross



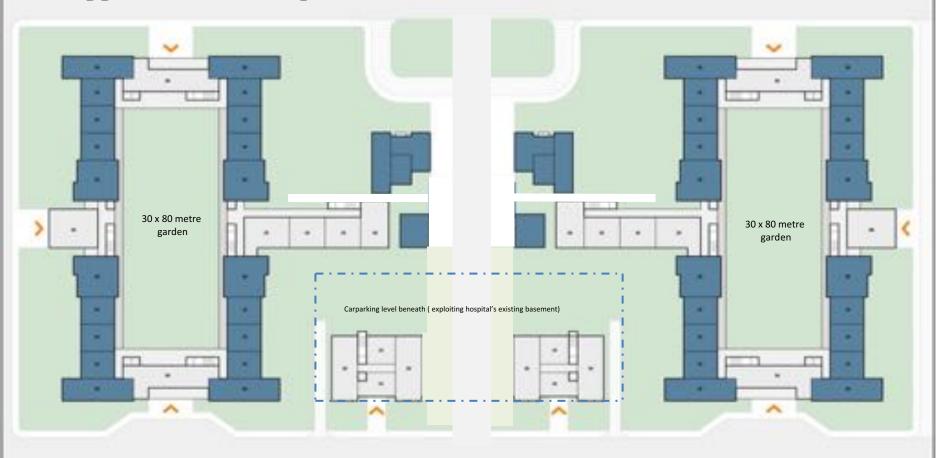
Whipps Cross Redevelopment

residential opportunities

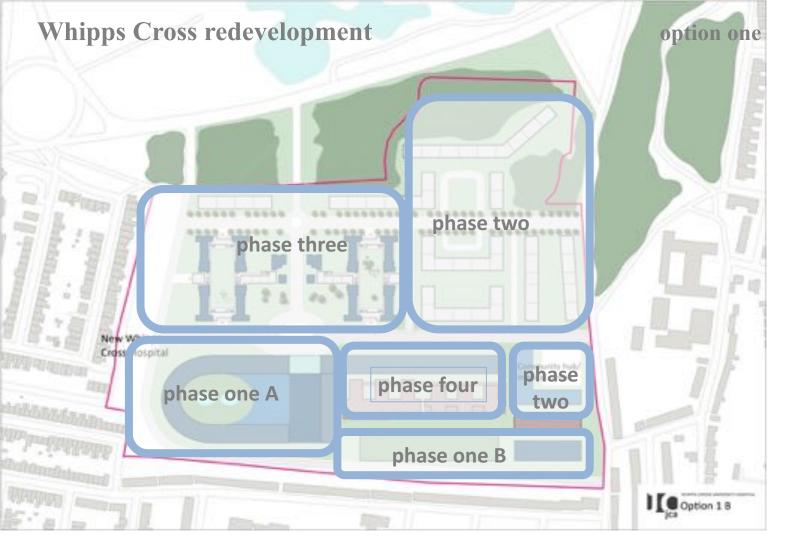




Whipps Cross redevelopment: conversion and extension of Victorian core







PHASE ONE A

Barts Health NHS Trust New Acute Hub 55 000m2

PHASE ONE B

MSCP: 880 spaces FM Centre

PHASE TWO

500 – 750 unit new build residuevelopment 4-6 storeys CCG Hub 3300m2

PHASE THREE

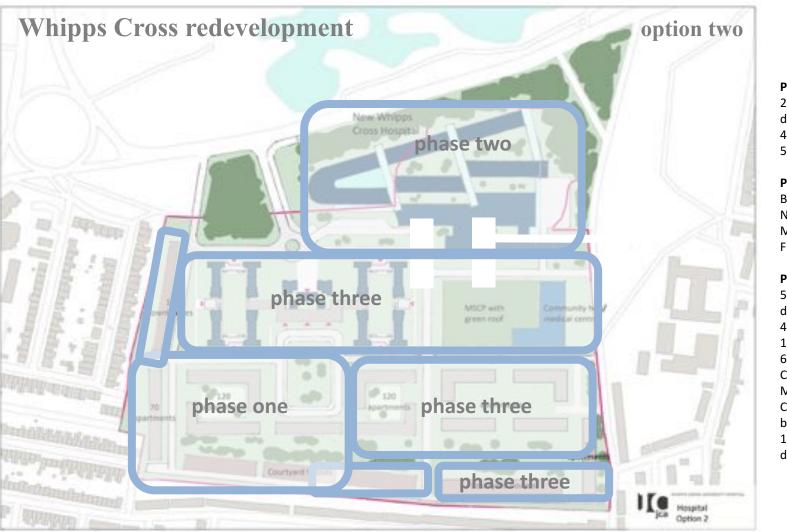
100 – 150 unit new build residuevelopment 4-6 storeys

Conversion of historic core buildings 180 – 220 unit residential development

PHASE FOUR

Barts Health NHS Trust 10 000m2 Ambulatory/ Education Centre





PHASE ONE

250 – 300 unit new build resid development 4-6 storey apartments 50 townhouses

PHASE TWO

Barts Health NHS Trust New Acute Hub 75 000m2 MSCP: 880 spaces FM Centre

PHASE THREE

500 – 550 unit new build residevelopment
4-6 storey apartments
18 townhouses
64 bed nursing home
CCG Hub 3300m2
MSCP
Conversion of historic core
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180 – 220 unit residential
development



