The Importance of Health Precincts in a Developing Region

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**NSW Health system**

- NSW Health
  - 15 Local Health Districts
  - 5 Pillar agencies
  - 6 State-wide Services
  - 3 Specialty Health Networks

- NSW Health 2018/19 expenses budget of $23b

- 117,000 full-time equivalent staff

- 228 public hospitals providing services

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**A typical day**

- 17,000 people spend the night in a public hospital
- 6,500 people are seen in public hospital emergency departments
- 5,600 people are admitted to a public hospital
- 270 babies are born
- 1,000 patients have their surgery (emergency or planned) performed in public hospitals
Health capital investment is $8bn over 4 years

**HEALTH INFRASTRUCTURE**

PROJECTS ACROSS SYDNEY METRO NSW

- **PROJECTS IN PLANNING**
- **NEW WORKS**
- **WORKS IN PROGRESS**
- **STATEWIDE PROGRAMS**

**STATEWIDE PROGRAMS**
- Asset refurbishment and replacement program (ARRP)
- HealthOne integrated primary health care centres
- Multipurpose service program (MPS)
- Rural ambulance infrastructure reconfiguration (RAIRP)
- Statewide mental health infrastructure program (SMHIP)
- Sustained hospital car park investment program (SHCRIP)
- Sydney ambulance metropolitan infrastructure strategy (SAMIS)

*Major works completed - refurbishment underway*
Broader Planning Framework

- Greater Sydney Region Plan
- Central City District Plan
- Future Transport Strategy 2056
Changing Cities: Health and Education Precincts

- Thirteen Health and Education Precincts in the Greater Sydney Region Plan.

- The vision for these Precincts is to:
  - Deliver health services that meet the challenges of the future; and
  - Create engines for economic growth
Western Sydney City Deal

Source: Western Sydney Aerotropolis Investor Guide
Infrastructure planning - Aerotropolis
Western Sydney City Deal
Academic Health Precincts

- Cornell Tech – Roosevelt Island, New York
  - Applied science and engineering campus linking technological research and education with practical applications.
  - Brings together like-minded faculty, business leaders, tech entrepreneurs and students.

- NHRMC Advanced Health Research Translation Centres
  - Combines basic and translational health research, clinical care and education to create world-leading improvements in healthcare.
NSW Health has partnerships with numerous academic partners, including:

- The University of Sydney
- UNSW
- UTS
- Macquarie University
- Western Sydney University
- University of Wollongong
- Charles Sturt University
- UNE
- The University of Newcastle

**Partnership to support**
- Undergraduate training
- Research
- Conjoint appointments
Importance of Health Precincts

- Innovation, investment and employment
- Delivering critical health services
- Catalyst for social impact
Catalyst for innovation

PARRAMATTA

New EPIC lab specialising in 3D printing opens at the Children’s Hospital at Westmead to treat lower limb deformities in children

$1.1 billion Westmead Precinct

- Health, research and teaching institutions work together in an integrated and co-ordinated way to deliver world-class innovation, research and health services for NSW and Australia.
### Proposed Benefits

#### Job Growth

Westmead currently provides over 18,000 jobs, with potential to grow up to 50,000 new high-value, specialist knowledge economy jobs by 2036 in walking distance to local facilities of Westmead.

#### Capital

$5.8$ billion of investment is under various stages of delivery, planning, or with potential to be delivered as part of plans for Westmead over the next decade:

- Over $3.4$ billion of capital mobilising within the precinct.
- Potential identified for over $2.4$ billion of additional capital over the next decade total number of dwellings to approximately 8,000, all within walking distance to local facilities of Westmead.

#### Economic Output

Economic potential of health, education, research and business all operating within the Westmead Innovation District. In 2016 Westmead produced over $1.9$ billion of economic output, with the potential to deliver an additional $2.8$ billion per annum of economic output to the NSW economy.

#### Housing

Currently approximately 4,600 dwellings with current plans for over 3,400 dwellings to be developed at Westmead, increasing the total number of dwellings to approximately 8,000, all within walking distance to local facilities of Westmead.
Other Western Sydney precincts

► Liverpool Health and Education Precinct
  ► Grow the health service delivery footprint using public and private collaboration.
  ► Leverage its position in Liverpool as a hub for healthcare robotics and advanced manufacturing.
  ► Support the broader logistics hubs for health and medical products.

► Penrith Health and Education Precinct (The Quarter)
  ► Improve community health and wellbeing through the new technology applications and models of health care and service delivery.
  ► Link community driven research in lifestyle-related diseases with healthy life styles, local sporting excellence and facilities.
  ► Become a nationally recognised centre in allied health services and clinical medical training.
  ► Grow the health technology sector through innovation.
Issues for further consideration

► Differentiate between education and health precincts
  ► How to ensure they are complementary and not competitive

► Nature of partnerships/collaborators
  ► Business and industry partners
  ► Other Government agencies

► Economic benefits derived