



## The visibility of smoking outside bars and cafés: New methods

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**Aim:** To observe and map the visibility of smoking occurring outside bars/cafés in Wellington CBD

## Methods

## Compilation of spatial data

- □ All building footprints in the CBD
- All public outdoor spaces (eg roads, footpaths)
- 70 bars/cafés with pavement leases

## Observational data

- □ Lit cigarettes observed at 14 bar/cafés
- Averages extrapolated to remaining leases

## Viewshed analyses

 Calculates visual exposure for each 1m x 1m cell across CBD

## **Base map of Wellington CBD**

BUNNY TREET QUAY ABL STREET NSTREET

## RESULTS

## The observations indicated:

- Point smoking prevalence: Midday 9%; evening 19%
- Range 0-116 smokers
- Large differences between day and evening smoking

# The analysis of smoking visibility indicated:

 The primary shopping streets have the highest visibility of smoking at pavement leases, particularly in the evening

## **Smoking Visibility in Wellington CBD**



## Discussion

With geographic techniques, it is possible to study the extent to which outdoor smoking on pavements around bars and cafés can be seen

- The extent of smoking may normalise smoking in this downtown area
- Options include:
  Smokefree areas
  Smokefree streets

