



# assisted living

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AR0550 Urban Design  
TU DELFT

assisted living

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assisted living

theme

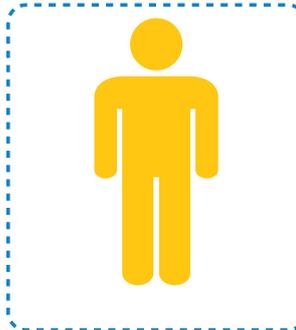
## Site

## why elderly?

Why we need to **consider elderly** when designing a neighbourhood?

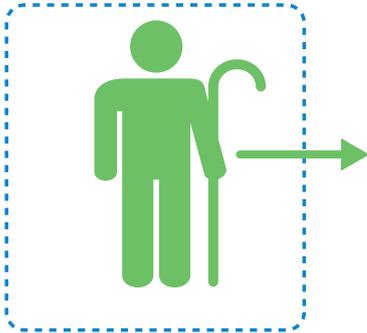


Why can't we **just** designing neighbourhood for **young** people?



## why elderly?

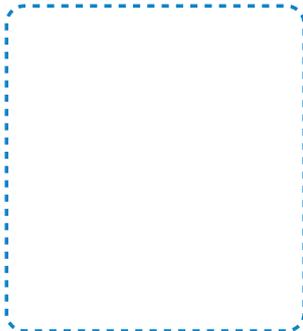
Site



Because the **young** will **become elderly** as well

If we do not make area which is suitable for them

They will **move out** from the neighbourhood

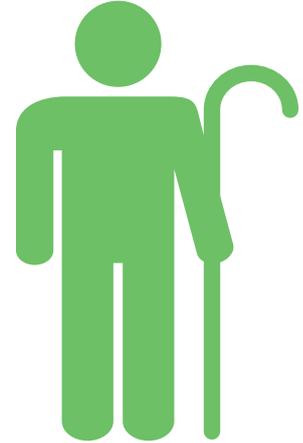


The neighbourhood can be **empty**

# Site

# why elderly?

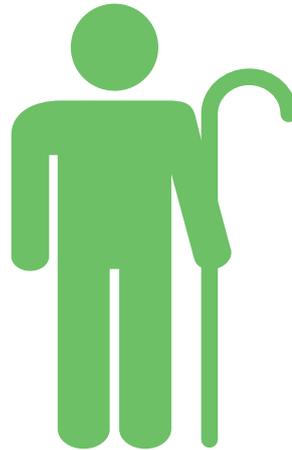
It is more **sustainable** to make a neighbourhood which is **considering elderly**



sustainable

## why elderly?

Site

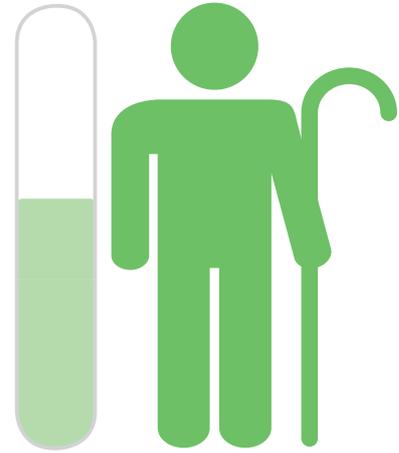
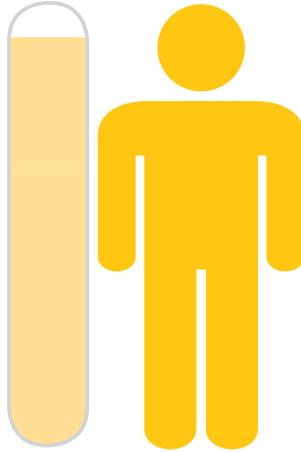


Since we need to include elderly into account, we need to know **who** are the **elderly** ?  
**why** we considering them to be **different**?

why they are different?

## Site

The main reason which make the **different** between **elderly** and **young** people is their **independency**



**independency**

**independency level**

# independency

Site



independency



mobility



facilities

When people are getting **old**, their **independency** is **lesser**

They have **less mobility**

They need **more facilities**

based on **independency**, elderly people will be divided into 3 groups :

- **independent**
- **part dependent**
- **dependent**

# Site

# independent group

## activities

- meeting people
- activities with less physical work
- active in social life (teaching small children, baby sitting)



picture 1.1.independent elderly  
source: gettyimages.com



picture 1.2.independent elderly  
source: gettyimages.com

## significant for them

- accessible street
- meeting place



picture 1.3.good pedestrian  
source: gettyimages.com



picture1-4.lively meeting place  
source: gettyimages.com



Area of life  
independent

1000 m

oudcharlois (and bigger)

picture 1.5. 1000m -area of independent elderly

# Site

# part dependent group

## activities

- interact with **family** members, **close friends** or small children
- activities that do **not** have **much physical** activity and which are **within the complex**( play table games, painting, reading)
- **not much active in social life**



picture 1.6.elderly and family  
source:gettyimages.com



picture 1.7.elderly and close friends  
source:gettyimages.com

## significant for part dependent

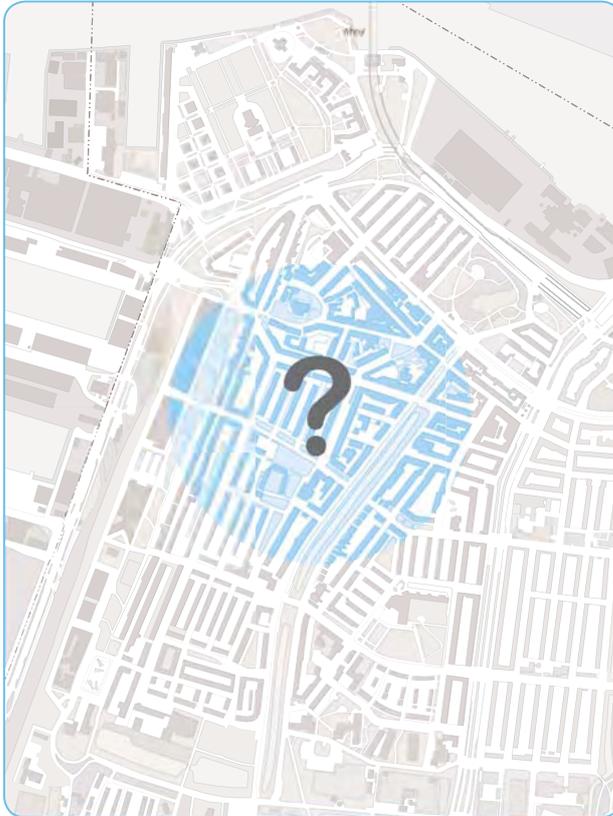
- **accessible neighbourhood**
- **near to facilities**



picture 1.8.good pedestrian  
source:gettyimages.com

## part dependent group

Site



Area of life  
part dependent

500 m

area in the city which is close to  
all facilities

picture 1.9. 500m -area of part dependent elderly

# Site

## activities

- they have **no** physical strenght or any will for any **activity** or much **social interaction**
- mostly interested in listening to **music**, **knitting**, talking to small **children**

## significant for dependent

- **accessible buildings**
- **near/ combine** with **kid facilities**

# dependent group



picture 1.10.bad pedestrian



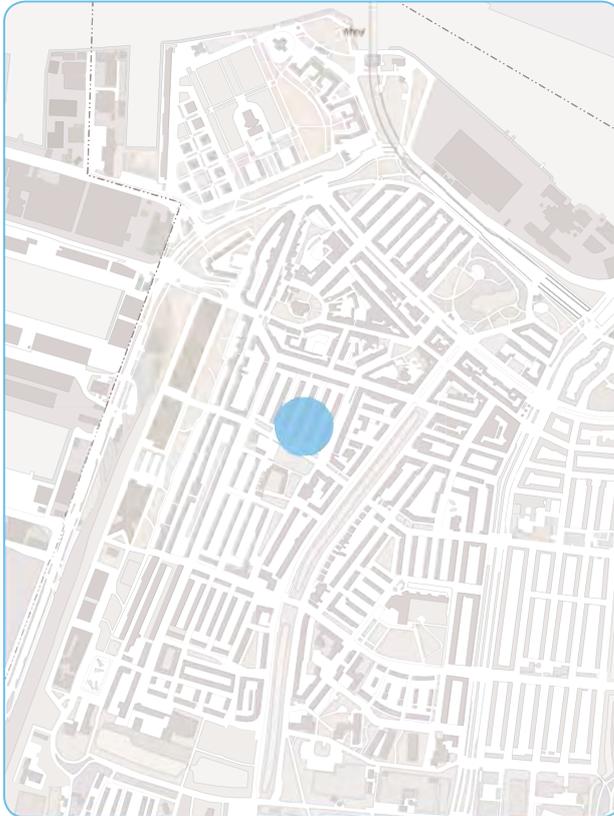
picture 1.11.bad pedestrian



picture 1.12.bad pedestrian



picture 1.13.bad pedestrian



Area of life  
dependent

0-50 m

senior housing (building) for  
dependent people

picture 1.14. 50m -area of dependent elderly

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**focus**

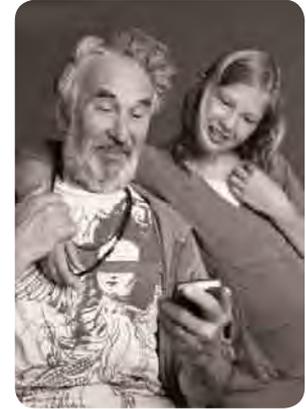
## Site

The design of this area will be more **focus** for **part - dependent** group.

In the society kids are also considered as part dependent.

There is a beneficial **relationship** between **elderly** and **kids**.

Based on that reason, in designing this area, there's consideration to combine elderly and kid facilities.



picture 2.1.elderly and kids  
source : gettyimages.com

## elderly and kids

*Intergenerational programs are related to an increase in children's academic performance as well as an increase in positive social behavior (Friedman, 2002)*

*Intergenerational programs increase senior citizens' sense of connection to others while maintaining their self-esteem (Fees & Berg 2002)*

# optimal area



### legend

- 300 m radius elderly facilities
- health and care
- sports
- schools
- culture and clubs
- clubs

picture 2.2.optimal area for elderly



### legend

- 300 m radius from kid facilities
- schools
- least transport area

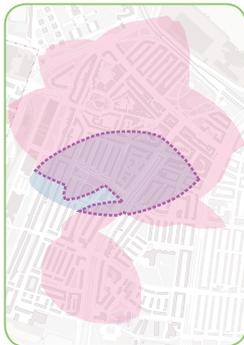
picture 2.3.optimal area for kids

This diagrams show optimal area in oud charlois for elderly and kids.

picture 2.2 is showing the optimal area for **elderly**

picture 2.3 is showing the optimal area for **kids**

picture 2.4 is showing the overlaid area. it means this area is the optimal area for **elderly and kids**.



### legend

- optimum area - kids facilities
- optimum area - elderly facilities
- overlaid area

picture 2.4.optimal area for elderly and kids

assisted living

site

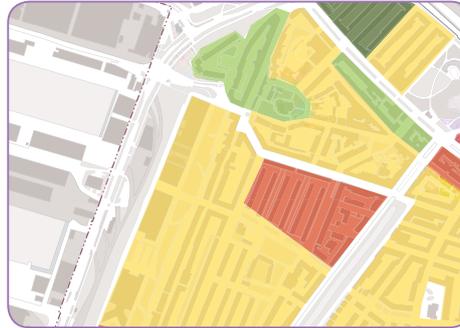
# Site

Zoom in to the location, the area which is chosen is residential area near the old city.

The location is strategic since it near to school and playground.

This area has the highest vacant buildings in this area and it's leading to violence

# optimal area - zoom in



picture 3.1.vacancy  
source: AR2U080 booklet -spring 2009



picture 3.2.violence  
source: AR2U080 booklet -spring 2009



picture 3.3.existing houses



picture 3.4.school



picture 3.5.playground



picture 3.6.house with bad condition



picture 3.7.empty building

### Bad image

The vacant area also make this area have bad image. Especially if we compare to old city nearby.

# Site

# area condition

## Bad Pedestrian

There are a lot of area which is not accessible/ safe.

- **high sidewalk**

even this high sidewalk have a purpose to divide the car and pedestrian area, but this sidewalk become **obstacle** for pedestrian.

- **high barrier**

this barrier make people who's in street feel **unsafe**

- **many cars are parking in the street**

this condition make the pedestrian condition become **worst**



picture 3.8.high barrier



picture 3.9. cars parking in the street



picture 3.10.high sidewalks and sign as obstacle



picture 3.11.un-used bench, dead space



picture 3.12.dead green space

'dead' green space

Green space suppose to be area where people can meet together.

Green space suppose to be lively.

That's **not** the case in **this area**. In this area the green space is **dull**, there's **no vitality** there.



picture 3.13.unused pedestrian



picture 3.14. unused (almost unseen) green

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