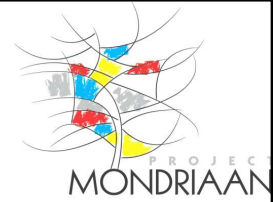


Multiple TTP's in the Netherlands:
ideal conditions for record linkage or new
Tower of Babel?



Perspective from the Mondriaan-project

W. de Bruijn^{1,2}, O.H. Klungel^{1,2}, M.C.
Rietveld², M.C.H. de Groot^{1,2}, R.P.
Stolk³, M.J. Postma⁴, H.G.M. Leufkens¹,
A.C.G. Egberts^{1,2}, P. Gumbs⁵, M. van
Riemsdijk⁶, A.W. Hoes², D.E. Grobbee².

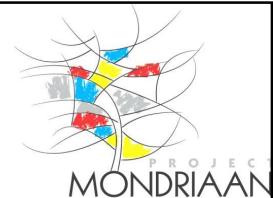


&



TI Pharma grant T6.101 Projectmondriaan.nl

Background to Mondriaan



Advisory Council on Health Research (RGO): 'Securing the data supply' (2008):

'Promote the efficient use of data collections'

- Optimise access to data:
 - Promote data sharing
- Maximise the scope for data sharing: Citizen Service Number
- Facilitate data sharing and linkage: data broker



Ultimate goal of Mondriaan:



The Dutch health care landscape as a 'population laboratory'

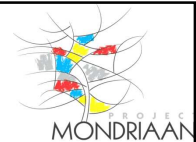
More specific:

- **National infrastructure and access point**
- **Existing and new health care and research data**

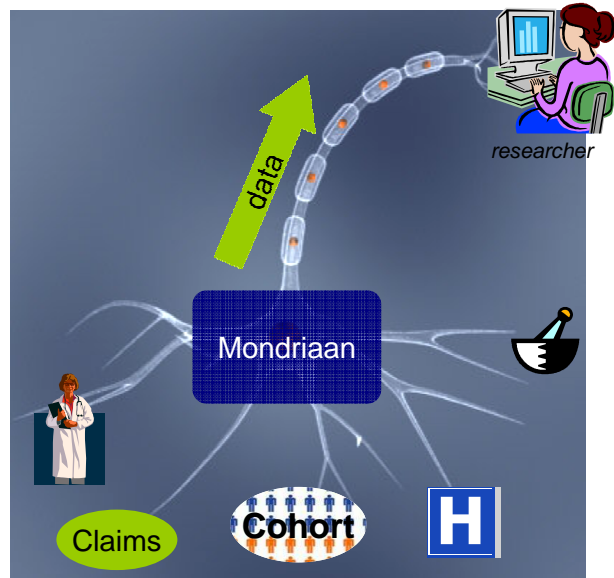


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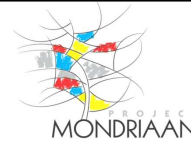
Mondriaan at a glance:



- Partnership with major Dutch data suppliers
- High quality ICT infrastructure
- Privacy
- Record linkage

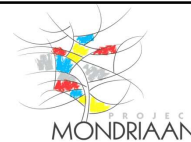


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Multiple TTP's in The Netherlands

- String of Peals Initiative: DigiNotar
- Dutch Hospital Data: ZorgTTP
- Palga: ZorgTTP
- SFK: Custodix (through Mondriaan)
- GP networks: Custodix (through Mondriaan) or ZorgTTP
- Etc...



Barriers

- Lot to ask from TTP's
- TTP = Trusted Third Party
 - It is not prohibited, but exchange of information between TTP's maybe not obvious
 - Data still anonymous?
- Practical issues



Should everybody switch to the same TTP?

How does Mondriaan use its TTP?

- Anonymisation: pseudonimisation
- Record Linkage through TTP:
 - probabilistic
 - Social security not is not per se necessary
- Coincidental Findings

Mondriaan is co-designer of:

- linkage algorithym
- Pseudonimisation process



Paradox:

- Use of TTP's improves privacy and conditions for record linkage, but...
- Use of TTP's creates new, isolated data islands

Solution?

