

Infection Control Professionals (ICP) in the Netherlands



41,528 km²
16.696.000 inhabitants
114 hospitals

Leo Ummels, VHIG
(Dutch Society Infection Prevention in
Health Care setting)

Representative EUNETIPS

PROFILE OF THE



- **Population (EuroSTAT 2011)** 16.696.000 (2011)
- **No. acute hospitals** 114 (2008)
- **No. acute beds** 55600 (2008)
- **No. acute ICU beds** 1065 (NIVEL report 2006)
- **Running of the healthcare system:** Centralised (State)



National recommendations on Infection Control

Yes. Dutch Working party on infection prevention (www.wip.nl)

Official/legal responsibility for Infection Control activities at national/regional/local level

Local:

Infection prevention department in each hospital .

In the majority of hospitals this is part of the medical microbiology department, in some it is part of the quality improvement department.

They report to the infection control comity that should be present in each hospital.

Working Party Infection Prevention (WIP)



Vereniging voor
Infectieziekten



Professional Groups

- 1. NVMM** Dutch Society Medical Microbiologist
(*strong position in Hospitals*)
- 2. VIZ** Society Infectious Disease
- 3. VHIG** Dutch Society of Infection Prevention and control in healthcare setting

INFECTION CONTROL RESOURCE CAPACITY IN ACUTE HOSPITALS



Professionals' background

Microbiology or infectious disease for infection control doctors, qualified nurses or laboratory technician (medical microbiology) or other (preferably) healthcare associated education/training (bachelor).

Recommended ratios or other measures:

- 1 IC doctor / 25.000 admissions
- 1 IC nurse / 5.000 admissions

(see van den Broek PJ, Kluytmans JA, Ummels LC, Voss A, Vandenbroucke-Grauls CM. How many infection control staff do we need in hospitals? J Hosp Infect. 2007 Feb;65(2):108-11)

SENIC (Canada)



Study on the Efficacy of Nosocomial Infection Control :

old → 70's

1 fte ICP:
1/ 250 Beds

1 medical microbiologist/epidemiologist:
1/ 1000 Beds

⁷ 2007 New Norm ICP, with admissions as denominator

(How much staff do we need for prevention of healthcare- associated infections in hospitals, P.J.van den Broek, J. Kluytmans, L.C. Ummels, C. Vandenbroucke, A. Voss,)



1 fte ICP
per 5000 Admissions
(1 / 178 hospital beds)

>40% old standard (1/ 250 Beds)

1 medical microbiologist/epidemiologist
per 25000 Admissions
(1 / 856 hospital beds)

>17% old standard (1/ 1000 Beds)



- Degrees for nurses: training to become a nurse and degree nurses need to work as infection control professionals
Degrees for nurses: Bachelor
- Infection control continuous education
Yes, for nurses. No for doctors.
- Competent bodies organizing infection control training
Wenckebach- Groningen /
University of applied sciences Utrecht / Utrecht
(started 2012)

Education Infection Control Professional



- Education level HBO (bachelor)
- In-service Post-Bachelor 18 month training
- Working in hospital 0,7 fte (24 hours)
- 2 Institutes (Wenkenbach, Groningen, new Utrecht)
- Each year start in one Institute (20 students max)
future..... ????



+/- 400 Infection Control
Professionals (ICP) in the
Netherlands

Thank you

41,528 km²

16.485. 787 inhabitants

114 hospitals

[www. i-Prevent.nl](http://www.i-Prevent.nl)