

Infection Control in Sweden



SMITTSKYDD SINSTITUTET
Swedish Institute for Infectious Disease Control



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National Infection Control



SMITTSKYDDSSINSTITUTET
Swedish Institute for Infectious Disease Control

The National Board
of Health and Welfare



SAIC

Swedish Association
for Infection Control



Strama

The Swedish strategic programme
against antibiotic resistance

National Board of Health and Welfare:

Government agency under Ministry of Health and Social Affairs.

Central authority for health care and social services.

- Support, expert influence
- Regulation and supervision
- Infection Control

National Strategy and Action Plan

- **Strategy for a coordinated work against antimicrobial resistance and health care associated infections**

Proposition from the Government in March 2006

- Amendment to the Health Care Act on **Good hygienic standard**
- Regulations from NBHW on basic hygiene in health care

Continuous collaboration between The Swedish Institute for Infectious Disease, Strama, NBHW, SFVH and other relevant actors to follow up the intentions in the proposition and specific assignments from the Government in the field of AMR and IC

Good hygienic standard

- The responsible caregiver has to undertake all activities necessary to provide care of **good hygienic standard**.
- This includes planning and organisation of the health care, premises and equipment, competence of staff, as well as **access to infection control expertise**.

The national board of health and welfare's regulations on basic hygiene in the Swedish health service, etc. SOSFS 2007:19 (M)

Responsibility of health service personnel

Health service personnel shall during the examination, care and treatment of patients, or other direct contact with patients, observe the following to limit the risks of health-care associated infections:

- 1. Working-clothes shall have short sleeves.
- 2. Working-clothes shall be changed daily, or more often when needed.
- 3. Hands and lower arms shall be free from wristwatches and jewellery.
- 4. Hands shall be disinfected using an alcohol-based hand disinfectant, or another product with a similar effect, immediately before and after each direct contact with a patient.
- 5. Hands shall be disinfected before and after use of gloves.
- 6. If hands are visibly soiled, they shall be washed with water and liquid soap before being disinfected.
- 7. When caring for a patient with gastroenteritis, hands shall always be washed with water and liquid soap before being disinfected.
- 8. Washed hands shall be dry before being disinfected.
- 9. A disposable plastic apron or protective gown shall be used if there is a risk that working-clothes will come into contact with body fluids or other biological substances.
- 10. Disposable protective gloves shall be used if there is contact with, or risk of contact with, body fluids or other biological substances.
- 11. The protective gloves shall be removed directly after that stage of the work is finished, and shall be changed between stages of the work.



SMITTSKYDDSIINSTITUTET

Swedish Institute for Infectious Disease Control

Swedish Institute for Infectious Disease Control:

An expert authority with the commission to:

- **observe and analyze**
 - the epidemiological situation regarding infectious diseases on national level
 - the development of healthcare associated infections, antibiotic resistance and other antimicrobial resistance
- **inform** the National Board of Health and Welfare and other relevant authorities about the development
- **suggest actions** based on the development

How the commission is implemented

1. Epidemiological surveillance, analysis and evaluations
2. Epidemiological typing of microbes associated with outbreaks and healthcare related disease
 - Assist with methods/protocols
 - Assist with typing
 - Coordinate
 - Report the national and international situation
3. Research
 - Identify the needs
 - Coordinate
 - Assist with methods and practical resources
4. Education and information





Swedish Association for Infection Control:

A forum for persons interested in:

- prevention of infections in the healthcare, hospital and dental area
- infection epidemiology
- disinfection and sterilization
- medical devices which are a potential risk of infect

700 members, working groups, national documents, education, registration of hospital infections. Collaboration in Sweden, the Nordic countries (sister organisations) and IFIC.



The Swedish strategic programme against antibiotic resistance

Founded as a result of discussions between the Swedish Reference Group for Antibiotics (SRGA), the Medical Products Agency, the National Board of Health and Welfare, the Swedish Institute for Infectious Disease Control (SMI) and others.

- to prevent resistance to antibiotics
- to facilitate local surveillance activities and projects by establishing decentralized organizations/Strama groups in every county, through the County Medical Officers for Communicable Diseases
- to work for interdisciplinarity collaboration in issues related to safeguarding the possibility of effective use of antibiotics in human and veterinary bacterial infections.

Regional/Local Infection Control

Smittskydd: County Medical Officer



SME

Infection clinic;
Patientcare

IDH

**Infection
Control
Unit**

Vårdhygien;
Hospital,
Healthcare units,
Infection
Control Team



County Medical Officers

- Each county is responsible for communicable disease prevention and control, and have a CMO to lead this work. According to the communicable disease act, the CMO shall:
 - **Follow-up** that caregivers take all actions necessary to prevent spread of infections.
 - **Inform** caregivers of observations of importance for infection control.
 - **Report** to NBHW if caregivers do not fulfil their obligations.

Regional and Local Infection Control Units

- Infection control team: physicians, nurses, epidemiologists, technicians etc.
- To prevent hospital infections
- To prevent, manage and control outbreaks of MRSA, VRE, ESBL, gastroenteritis etc
- To observe the local epidemiological situation by registering and cooperating with the local microbiological laboratory
- To inform and educate medical staff and care givers
- To give support and advice during renovation, construction and redevelopment
- Control disinfection and sterilization methods



Infektionshygien

www.infektionshygien.se

"Open line" +46 31 342 6100



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Tillbaka

infektionshygien.se

PM och direktiv

MRSA/VRE

Gastroenterit

Punktprevalens

Om verksamheten

Meddelandeblad

Länkar

Kontakt

Infektionshygien

2008 01 24

Direktiv blodburen smitta/stick- och skärskada

[Reviderat januari 2008](#)

2008 01 17

Meddelandeblad

[Nytt januari 2008](#)

2008 01 10

Kurs i infektionshygien

Nu finns nya tillfällen till heldagsutbildning i infektionshygien för anställda inom SU, Kungälvssjukhus, Capio Lundby sjukhus och Frölunda specialistsjukhus - [se information och anmälan](#)

2007 12 21

Gastroenterit

Direktivet har uppdaterats för att överensstämma med regionövergripande personaladministrativa riktlinjer. Uppdateringen gäller riktlinjer för avstängning av personal vid [virusorsakad gastroenterit](#) (PM 3, Personal).

Var extra observant vid symtom som diarré och kräkningar.



PM & Direktiv



Öppen linje

031 - 342 6100

E-post

infektionshygien.su@vregion.se

Rätt klädd på jobbet

Riktlinjer för arbetskläder



Verksamhetens mål

Målet för den [infektionshygieniska verksamheten](#) är att förebygga uppkomst av vårdrelaterade infektioner samt att förebygga smittspridning.

Öppen linje 031-342 6100

Tillbaka

infektionshygien.se

PM och direktiv

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PM och direktiv

- anger PM - rekommenderade hygienrutiner
- anger direktiv - godkända av chefläkaren och innefattar ansvarsfördelning samt tvingande åtgärder

[Kort beskrivning av var förändring gjorts vid senaste revidering](#)

Basal hygien

- [Arbetskläder](#)
- [Basala hygienrutiner](#)
- [Punktdeinfektion](#)
- [Handskar](#)

Blod

- [Stick- och skärskador](#) rev jan 2008
- [Blodhantering](#)
- [Smittspridning via injektionsläkemedel](#)

Desinfektion

- [Desinfektionsmedel](#)
- [Spol- och diskdesinfektorer](#)

Huddesinfektion

- [Navelvård](#)
- [Preoperativ helkroppsdesinfektion](#)
[Patientinformation](#)
[Duschinstruktion](#)

Särskilda smittämnen

- [Clostridium difficile](#)
- [Creutzfeldt-Jakobs sjukdom](#)
- [ESBL](#) nytt dec 2007
- [Fågelinfluensa](#)
- [Gastroenterit](#) rev dec 2007
- [Lungtuberkulos](#)
- [Miljösmitta](#)
Aspergillus/mucokorrer

Särskilda rutiner och handhavanden

- [Befuktning vid syrgasbehandling](#)
- [CVK](#)
- [Infektionsförebyggande rutiner vid punktion/injektion och inläggning av material som penetrerar hud](#)
- [Kateterisering och sköljning av urinblåsa](#)
- [Operationsenheter](#)

Basic hygiene routines Survey



Basic hygiene routines



Always !!!!



Use 70% alcohol



at least 2-3 ml



fingertips



between fingers, thumbs, if
needed forearms



Rub until dry



”Håll dem kort”

Foto: Erja Lempinen



"Du får vara fin hemma"

Foto: Erja Lempinen

Dresscode in healthcare wards

- Short sleeves
- Dry and clean
- Change daily and as indicated
- Hospital laundry facility
- No private clothes in patientcare



Använd kroken!



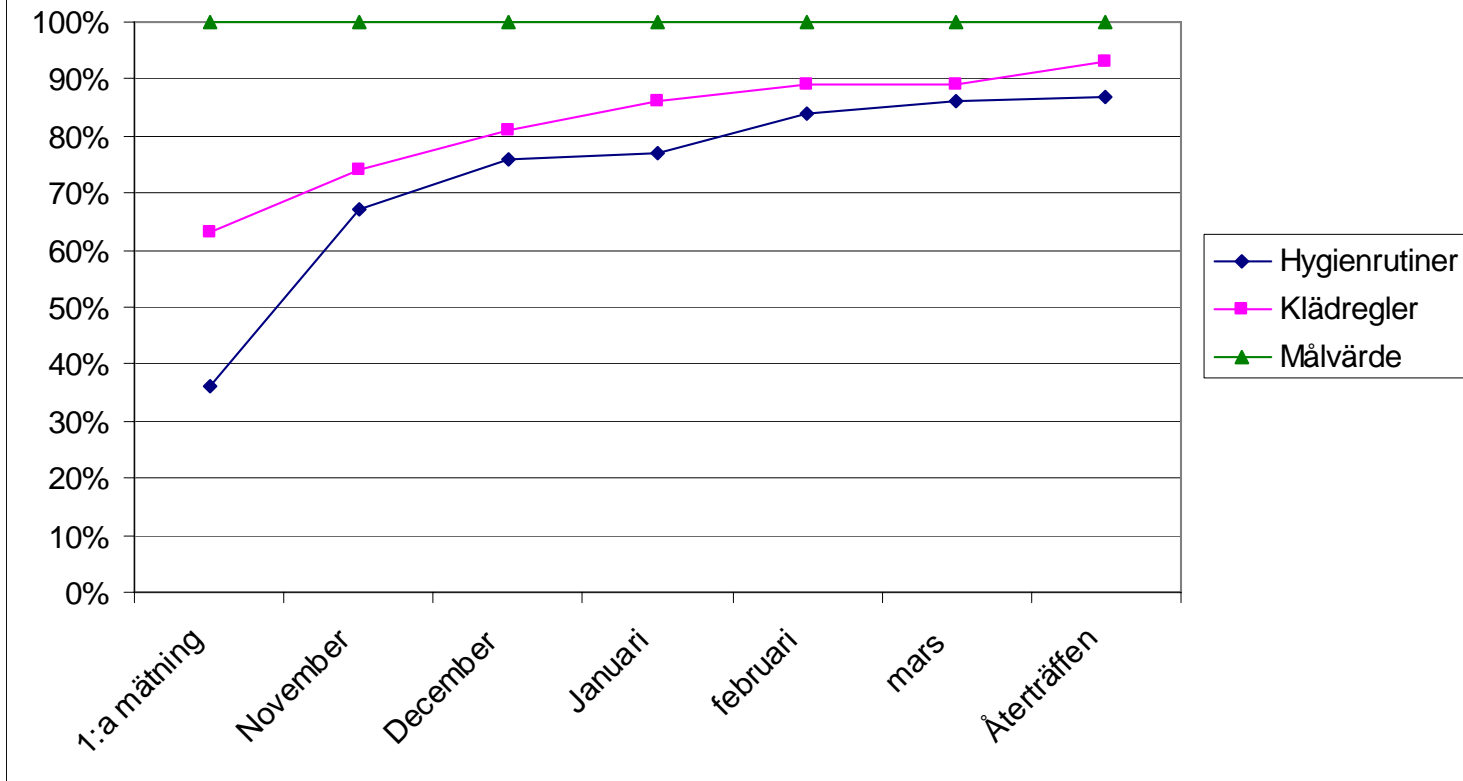
Compliance to Basic hygiene routines

| Observerad person | Spritas händerna enligt rutinbeskrivning | Används handskar enligt rutinbeskrivning | Används plastförkläde enligt rutinbeskrivning | Helt korrekt (i alla stegen) |
|-------------------|--|--|---|-----------------------------------|
| 1 | Ja | Gäller ej | Gäller ej | Ja |
| 2 | Ja | Nej | Gäller ej | Nej |
| 3 | Ja | Ja | Ja | Ja |
| 4 | Nej | Nej | Nej | Nej |
| 5 | Gäller ej | Gäller ej | Gäller ej | Ja |
| 6 | Ja | Nej | Nej | Nej |
| 7 | Ja | Gäller ej | Gäller ej | Ja |
| 8 | Ja | Ja | Ja | Ja |
| 9 | Nej | Nej | Gäller ej | Nej |
| 10 | Ja | Gäller ej | Gäller ej | Ja |
| Andel korrekta | 8/10 = 80 % | 6/10 = 60 % | 8/10 = 80 % | 6/10 = 60 % korrekt följsamhet |

Compliance to dresscode

| Observerad person | Kortärmat | Varken ring, klocka eller armband | Kort eller uppsatt hår | Helt korrekt (i alla tre stegen) |
|-------------------|-----------|-----------------------------------|------------------------|----------------------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Andel korrekta | | | | |

Projektet SU-VRISS resultat gällande följsamhet till basala hygienrutiner och klädregler





Some publications...

- To prevent health care associated infections, 2006
- MRSA in health care workers, 2007
- Good hygienic standard in nursing homes etc, possibilities to improvement, 2008

In english:

- The National Board of Health and Welfare's regulations on basic hygien in the Swedish health service etc. (translation of SOSFS 2007:19) www.socialstyrelsen.se

Personal resources dedicated to work concerning healthcare related infections

- Infection control nurse
 - With focus on education and information.
- 1.5 physicians
 - One with focus on epidemiological typing and antibiotic resistance methods
 - One with focus on epidemiology of healthcare related infections and antibiotic resistance
- Laboratory resources
 - 2 pharmacists
 - 2 microbiologists
 - 4 biomedical technicians

