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AGENTSCHAP
ZORG & GEZONDHEID

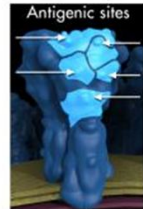
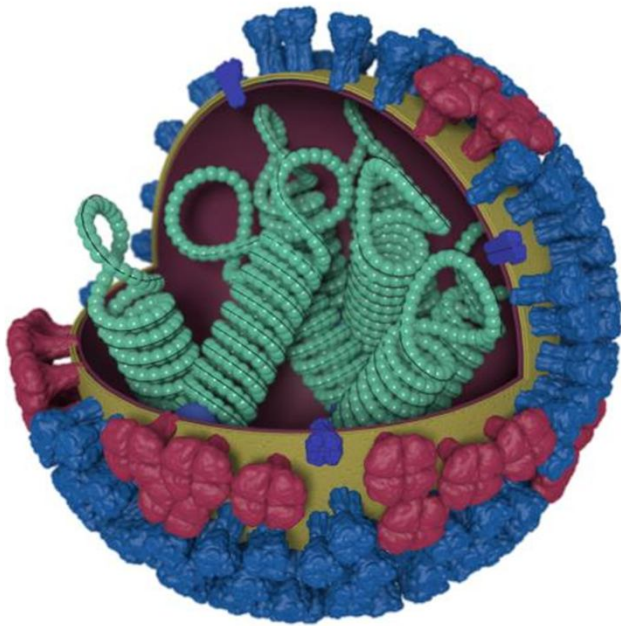
FLU VACCINATION IN HCW TO PROTECT FRAGILE POPULATIONS

BVIKM-BVGG symposium – 04.04.2019

INFLUENZA VIRUS AND FLU



AN INFLUENZA VIRUS



LEGAL FRAMEWORK VACCINATION PROGRAMME



- > The Decree of November 21st 2003 concerning preventive medicine
- > Public health goals prepared in public health conferences
- > Ministerial Decree of January 29th 2015 determining the vaccination scheme for Flanders (actualised January 26th 2017)
 - determines which vaccinations make part of the vaccination programme and for which groups the free of charge vaccines can be used by all vaccinators (for SHS school year based);
 - determines which other vaccines are recommended for general use.
- > Starting point: calendar and advices of the National Immunisation Technical Advisory Group (NITAG): Superior Health Council (SHC - HGR)
- > Advice for implementation by the Flemish Vaccination Board (Vaccinatiekoepel)

PUBLIC HEALTH GOAL ON IMMUNISATION



- > Public Health conference on vaccination (April 21st 2012)
- > Public Health Goal on Vaccination and action plan unanimously adopted by the Flemish Parliament on June 19th 2013
 - *“By 2020, a qualitative vaccination policy in Flanders must aim at effectively protecting people, throughout their whole life, against vaccine-preventable infectious diseases that can have a serious impact on the quality of life.”*
 - Specific goals in different age groups
 - Specific goals for some professional groups

ADVICE SUPERIOR HEALTH COUNCIL (NITAG)



- ////////////////////////////////////
- > Yearly actualised priority groups for vaccination
 - > Vaccination against seasonal influenza: priority for 3 groups:
 - Group 1: people at risk for complications:
 - pregnant women;
 - patients > 6 months with chronic illness of lungs (including severe asthma), heart (with the exception of hypertention), liver, kidneys, metabolic disorders (including diabetes), BMI > 35, neuromuscular diseases or immunity disorders (natural or induced);
 - All people aged > 65 years;
 - people who stay in collective homes;
 - children > 6 months up to 18 years with long lasting aspirin therapy.
 - Group 2: **people working in the health care sector**;
 - Group 3: **people living under the same roof as**
 - people at risk from **group 1**;
 - **children < 6 months**
 - > It makes sense to vaccinate all people between 50 and 65 years of age, even without pathology as in group 1.

VACCINES



-
- > RNA-virus (orthomyxoviruses)
 - > Influenza type A: two types in all vaccines
 - > Influenza type B: two lineages: Victoria and Yamagata
 - > Advice WHO: “calculated guess”: 22 February 2018 for the Northern hemisphere (2018-2019):
 - It is recommended that quadrivalent vaccines for use in the 2018-2019 northern hemisphere influenza season contain the following:
 - an A/Michigan/45/2015 (H1N1)pdm09-like virus;
 - an A/Singapore/INFIMH-16-0019/2016 (H3N2)-like virus;
 - a B/Colorado/06/2017-like virus (B/Victoria/2/87 lineage);
 - a B/Phuket/3073/2013-like virus (B/Yamagata/16/88 lineage).
 - It is recommended that the influenza B virus component of trivalent vaccines for use in the 2018-2019 northern hemisphere influenza season be a B/Colorado/06/2017-like virus of the B/Victoria/2/87-lineage.
 - > In Belgium: only quadrivalent vaccines available since 2018

INFLUENZA VACCINES 2019-2020



- ////////////////////////////////////
- > Recommended composition of influenza virus vaccines for use in the 2019-2020 northern hemisphere influenza season (21 February 2019 *(updated on 21 March 2019)*)
 - It is recommended that egg based quadrivalent vaccines for use in the 2019-2020 northern hemisphere influenza season contain the following:
 - an A/Brisbane/02/2018 (H1N1)pdm09-like virus;
 - **an A/Kansas/14/2017 (H3N2)-like virus; ***
 - a B/Colorado/06/2017-like virus (B/Victoria/2/87 lineage); and
 - a B/Phuket/3073/2013-like virus (B/Yamagata/16/88 lineage).
 - It is recommended that the influenza B virus component of trivalent vaccines for use in the 2019-2020 northern hemisphere influenza season be a B/Colorado/06/2017-like virus of the B/Victoria/2/87-lineage.

* The A(H3N2) component was recommended on 21 March 2019. This is a month later than in other years which makes it possible the vaccines might only be available one month later this year than in previous years.

VACCINATION PROGRAMME IN FLANDERS



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- > Flu vaccines free of charge for residents in settings of care centers:
 - Elderly homes (WZC): from 2010 onwards
 - Residents of institutions for disabled people and for chronic psychiatric patients (from 2017 onwards)
 - > Flu vaccines free of charge for homeless people in reception centers in Flanders – vaccination by the mobile Vaccination Team)

HEALTH GOAL ON VACCINATIONS

SEASONAL INFLUENZA VACCINATION



> Vaccination in adults:

- By the year 2020 at least **50%** of pregnant women is vaccinated against seasonal influenza.
- By the year 2020 at least **50%** of risk groups for complications of influenza, under 65 years of age, is vaccinated against seasonal influenza.

> Vaccination of people aged 65+

- By the year 2020 a vaccination coverage of **75%** for seasonal influenza is reached in people aged 65+

> website: <https://www.zorg-en-gezondheid.be/gezondheidsdoelstelling-vaccinaties>

VACCINATION COVERAGE



> Vaccination coverage study 2016:

- Pregnancy vaccination coverage in women who recently delivered:
 - **47,2%** vaccinated against influenza
 - 69,3% against pertussis

> Recent study data from Moons Jana, Peeters Heleen, Richard Katelijn: master dissertation, Pharmacy, KU Leuven: Vaccination coverage in risk groups: influenza vaccination coverage in people aged 65+, selected as patients of 30 pharmacies in Flanders:

- Vaccination coverage of **78.4%** in 2017 of whom 94.2% is vaccinated yearly.

VACCINATION COVERAGE



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> Vaccination coverage study 2016:

- Pregnancy vaccination coverage in women who recently delivered:
 - **47,2%** vaccinated against influenza
 - 69,3% against pertussis

> Vaccination coverage in adult risk groups (from several master dissertations LUVAC, no official data yet, not yet published):

- Healthy 65+: **77.0%**
- Diabetes: **29.6%**
- Chronic kidney disease ?
- COPD: **57.8%**
- Heart failure: **33.5%**
- HIV: **43.8%**
- Lung and heart transplant patients: **52.2%**

INFLUENZA VACCINATION IN HCW AND THE HEALTH GOAL ON IMMUNISATION



> Because of the risk of spreading infectious diseases to the population, we want some professional groups to be well vaccinated against some specific infectious diseases. Special attention should be paid to vaccination against influenza and pertussis in **health care workers**...

- By the year 2020 the goal is that **80% of HCW** is vaccinated against seasonal influenza.
- By the year 2020 the goal is that **80% of HCW** working with babies received a booster vaccination against pertussis as an adult.

Remark: advice SHC about pertussis vaccination in adults was only actualised in September 2013 (including vaccination during pregnancy)

> website: <https://www.zorg-en-gezondheid.be/gezondheidsdoelstelling-vaccinaties>

STUDY ABOUT THE MOTIVATION OF HEALTH CARE WORKERS FOR SEASONAL INFLUENZA VACCINATION



- > ***Bral C. et al. Vaccine hesitancy for the seasonal influenza vaccine in health care workers (www.infectieziektebulletin.be – 2016/4)***
- > Situation 2014 (online enquiry between November 23th 2015 and January 4th 2016):
 - Hospitals: **62.6%** vaccinated in 2014, of which 90.8% also vaccinated in 2015 – 16,7% never vaccinated against influenza
 - WZC (elderly homes): **52.6%** vaccinated in 2014, of which 91% also vaccinated in 2015 – 20% never vaccinated
- > Study to see what factors have impact on deciding to get vaccinated or not
- > Study to see which factors had impact on the vaccination coverage: what's different settings with higher coverage compared to those with lower coverage

FLU VACCINATION IN HCW: RESULTS



> At the level of the Health Care Workers:

- Reasons for being vaccinated:
 - Proper protection
 - Protection of patients and relatives
 - 1/3: influenza can be dangerous (or ever had flu)
- Reasons for not being vaccinated:
 - Not convinced of the protection by this vaccine or afraid it can harm the immune system
 - Fear of side effects
- 90% of HCW say it's important not to infect the patients, but only 50% consider it as a duty of a HCW to be vaccinated not to harm patients...

> Organisational level:

- higher coverage when integrated influenza vaccination campaign with special attention for correct information, good organisation with various possibilities/opportunities to get vaccinated (moments, work place)
- the good example of direction or staff

GUIDELINES TO IMPROVE



-
- > Boey L. et al. Method to increase vaccination coverage of health care workers for seasonal influenza vaccine in health care institutions (www.infectieziektebulletin.be 2017/2)
 - > Based upon the results of the first study, we wanted guidelines to improve vaccination coverage in HCW.
 - > With these guidelines a manual was made how to realise it



> 9 steps method:

- A multidisciplinary vaccination campaign team (balanced, tasks, ...)
- Evaluation of the campaign of the previous year
- Determining goals for the upcoming campaign (and next years)
- Practical planning
- Education plan
- Communication plan
- Registration
- Practical implementation
- Evaluation of the campaign, including feedback to the HCW in the institution or hospital

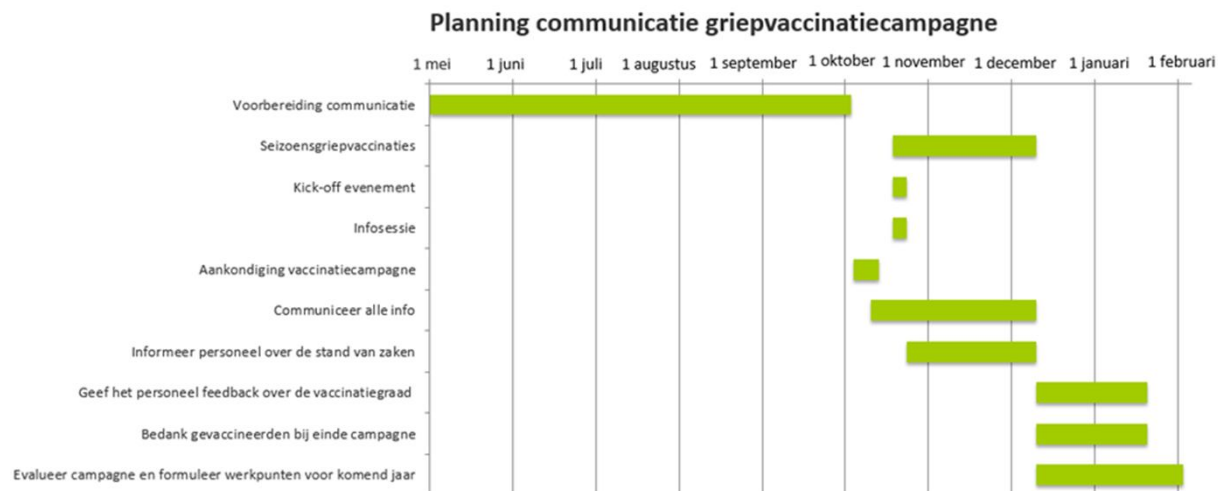
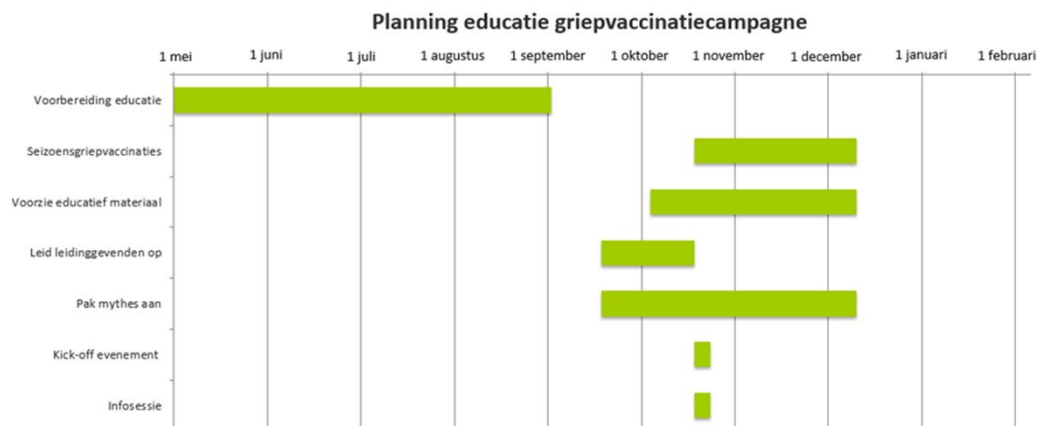
MANUAL – THE 9 STEPS



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MANUAL – PLANNING EDUCATION AND COMMUNICATION



INFORMATION ABOUT INFLUENZA VACCINATION

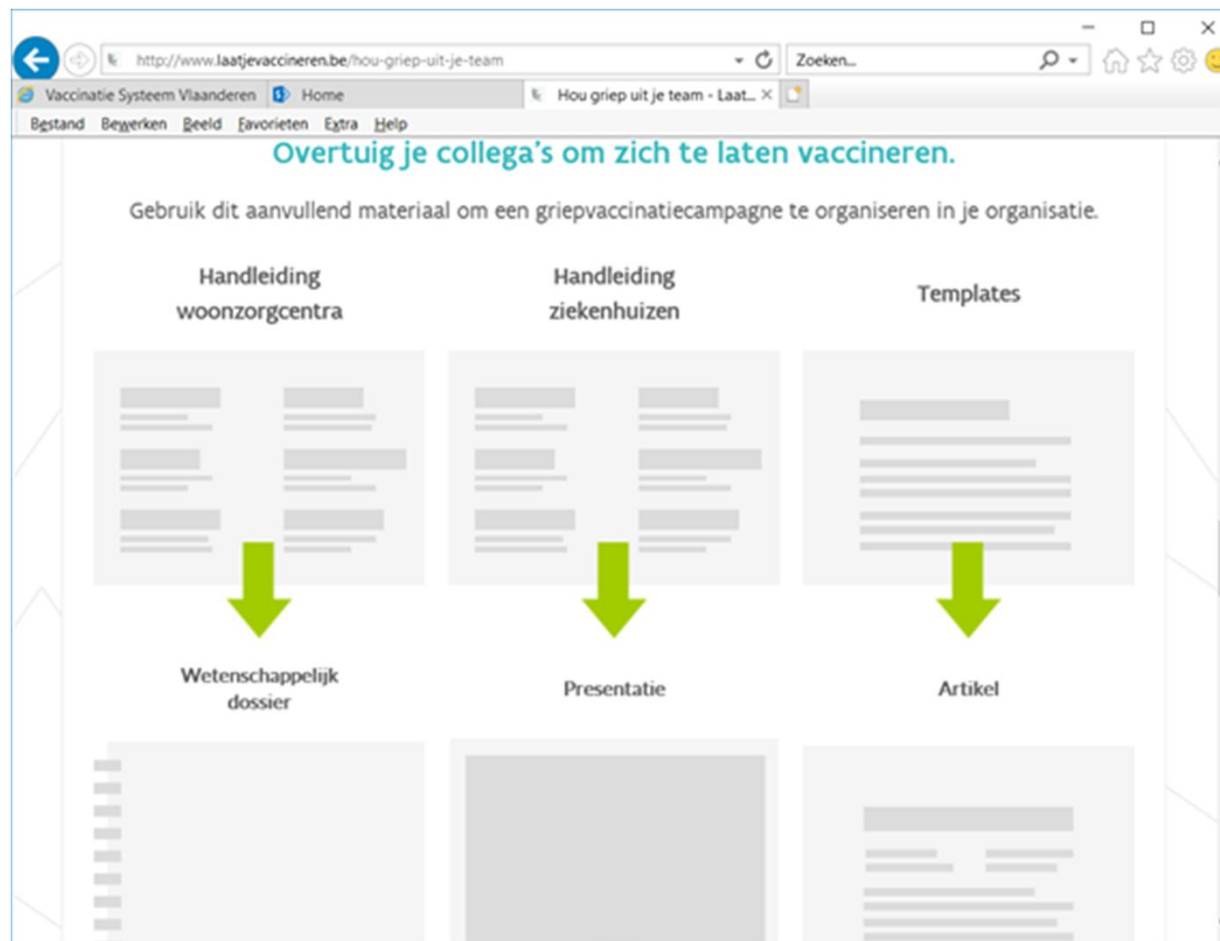
- > Scientific information to counter myths and untrue beliefs
 - Information about the virus and the burden of disease;
 - Which groups of patients and residents are most vulnerable and at risk for influenza;
 - Information about influenza vaccines;
 - Seasonal influenza vaccinations and HCW:
 - Protect yourself
 - Protect your patients
 - Protect your colleagues and prevent nosocomial infections
 - Protect your family
 - Adapted materials and information for HCW without medical education
- > Flu coordinator
- > Cooperation of staff and or direction
- > Special attention for registration of influenza vaccinations



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MATERIALS DONWLOADABLE FROM WWW.HOUGRIEPUITJETEAM.BE





The screenshot shows a web browser window with the URL <http://www.laatjevaccineren.be/hou-griep-uit-je-team>. The page features a teal header with the text "Laat je vaccineren" and a search bar containing "Wat zoekt u?" and a "ZOEKEN" button. The navigation menu includes "Home", "Over vaccineren", "Ziektes", "Wie & wanneer", "Check je vaccinaties", and "Beleid". The main content area has a breadcrumb trail "Home > Campagnes > Hou griep uit je team" and a large heading "Hou griep uit je team". Below this is a text block and a graphic with the text "Bescherm jij Yvette? Laat je vaccineren tegen griep." and the logo for "Vlaanderen in zorg".

Laat je vaccineren

Wat zoekt u? ZOEKEN

Home Over vaccineren Ziektes Wie & wanneer Check je vaccinaties Beleid

Home > Campagnes > Hou griep uit je team

Hou griep uit je team

Als zorgverlener of personeelslid in de zorgsector loop je niet alleen een groot risico om griep te krijgen, maar ook om anderen te besmetten. Daarom is het belangrijk om griep uit je organisatie te houden en je te laten vaccineren. Want je werkt met risicogroepen die een grotere kans hebben op griepcomplicaties. Niet ongevaarlijk als je weet dat er elk jaar honderden mensen aan sterven. Zorg dus dat jij daarvan niet de oorzaak bent.

Bescherm jij Yvette?
Laat je vaccineren tegen griep.

Vlaanderen in zorg

VISIBILITY OF VACCINATION COVERAGE



The screenshot shows a web browser window with the address bar containing the URL <http://www.laatjevaccineren.be/hou-griep-uit-je-team>. The page content includes a teal header with the text "Bestel het griepvaccinatiecertificaat voor je organisatie!". Below this, there is a paragraph: "Engageert jouw zorginstelling zich om zijn personeelsleden te beschermen tegen de seizoensgriep? Vraag dan het verdiende certificaat aan en laat aan je bewoners, bezoekers en personeel zien hoe goed je organisatie beschermd is tegen griep!". This is followed by another paragraph: "Afhankelijk van de vaccinatiegraad verdien je een gouden, zilveren of bronzen certificaat. Ook organisaties die nog een tandje moeten bijsteken verdienen alvast een inzetcertificaat!". A section titled "Overzicht certificaten" contains a bulleted list: "• Is meer dan 80% van je medewerkers gevaccineerd, dan verdient je instelling een gouden certificaat.", "• Zilver is voor instellingen die meer dan 70% behalen.", "• Wie meer dan 60% behaalt, kan pronken met een bronzen certificaat.", "• Op de goede weg maar haal je de drempel van 60% nog niet? Vraag je collega's om een tandje bij te steken met het inzetcertificaat.". To the right of the text are three overlapping circular icons representing the certificates: a gold one at the top, a red one in the middle, and a grey one at the bottom. Each icon features a stylized virus particle in the center and the text "GRIEPVACCINATIECERTIFICAAT" around the perimeter.



http://www.laatjevaccineren.be/hou-griep-uit-je-team

Hou griep uit je team - Laat... x

Bestand Bewerken Beeld Favorieten Extra Help

Laat je inspireren door AZ Delta en WZC Hallenhuis Mintus

Hou griep uit je team - AZ Delta Later bekijken

Hou griep uit je team - WZC Ha... Later bekijken

WZC Hallenhuis

2016 Vaccinatiegraad 51%

2017 Vaccinatiegraad 77%

en wij zijn in 2017 naar een zilveren medaille gegaan met 77%.

Overtuig je collega's om zich te laten vaccineren.

Gebruik dit aanvullend materiaal om een griepvaccinatiecampagne te organiseren in je organisatie.

LINKS



- > Algemene vaccinatiewebsite (breed publiek en campagnes): www.laatjevaccineren.be
- > Vaccinatiewebsite voor vaccinatoren: www.zorg-en-gezondheid.be/vaccinaties
- > Vlaams Infectieziektebulletin: www.infectieziektebulletin.be
- > www.hougriepuitjeteam.be



Bescherm jij Yvette?

Laat je vaccineren tegen griep.



Vlaanderen
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TOWARDS A COVERAGE OF 80% IN HCW?

Thank you...