


Occupational Health Update: Extended Care Facilities 04-16-24


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Disclosures


- No financial relationships to disclose
- No off-label or investigational use of medications and/or devices
- The information and views set out in this presentation are those of the author and do not necessarily reflect the official opinion of the University of North Carolina at Chapel Hill or UNC Health



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Objectives


- ACIP Updates
- Vaccines for HCPs (Pre-exposure prophylaxis)
- Post-exposure prophylaxis (Bloodborne Pathogens)
- COVID-19
- Employee Well-Being
- Civic Health



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ACIP Updates

Advisory Committee on Immunization Practices




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ACIP January 2022 Update

- Pneumococcal Vaccines**
 - New availability of PCV 15 (Merck Sharp & Dohme Corp.) and PCV 20 (Wyeth Pharmaceuticals LLC)
 - Recommendation for PCV20 alone or PCV15 in combination with PPSV23 for previously unvaccinated 65+ or 19-64 y/o with increased risk
 - If PCV15 is used, minimum interval of 8 weeks until PPSV23 administration
 - Prior PPSV23 – either PCV15 or PCV20 can be used
 - Prior PCV13 – continue with current schedule for PPSV23 afterwards (still under evaluation of added benefit of PCV15 or PCV20 after)

https://www.cdc.gov/mmwr/wwrmm672e/wrmm67204a1.html?_ga=2.1046126076.202104041.2104041.2104041



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Pneumococcal Vaccine Timing for Adults

Make sure your patients are up to date with pneumococcal vaccination.

CDC recommends pneumococcal vaccination for:

- Adults 65 years old and older
- Adults 19 through 64 years old with certain underlying medical conditions or other risk factors:
 - Alcoholism
 - Cardiopulmonary fluid leak
 - Chronic heart/liver/lung disease
 - Chronic renal failure
 - Cigarette smoking
 - Cochlear implant
 - Congenital or acquired asplenia*
 - Congenital or acquired immunodeficiencies*
 - Diabetes
 - Genitourinary malignancy*
 - HIV infection*
 - Hodgkin disease*
 - Iatrogenic immunosuppression*
 - Leukemia*
 - Lymphoma*
 - Multiple myeloma*
 - Nephrotic syndrome*
 - Sickle cell disease or other hemoglobinopathies*
 - Solid organ transplant*

* Considered an immunocompromising condition.

Pneumococcal vaccines

- PCV13:** 13-valent pneumococcal conjugate vaccine (Prevnar 13®)
- PCV15:** 15-valent pneumococcal conjugate vaccine (Brennivanva™)
- PCV20:** 20-valent pneumococcal conjugate vaccine (Prevnar20®)
- PPSV23:** 23-valent pneumococcal polysaccharide vaccine (Pneumovax®)

For those who have never received a pneumococcal vaccine or those with unknown vaccination history

Administer one dose of PCV15 or PCV20.

If PCV20 is used, their pneumococcal vaccinations are complete.

PCV20

If PCV15 is used, follow with one dose of PPSV23.

- The recommended interval is at least 1 year.
- The minimum interval is 8 weeks and can be considered in adults with an immunocompromising condition*, cochlear implant, or cardiopulmonary fluid leak.
- Their pneumococcal vaccinations are complete.

PCV15 → At least 1 year wait → PPSV23
(8 weeks wait for immunocompromised)


For those who previously received PPSV23 but who have not received any pneumococcal conjugate vaccine (e.g., PCV13, PCV15, PCV20)

You may administer one dose of PCV15 or PCV20.

- Regardless of which vaccine is used (PCV15 or PCV20):
- The minimum interval is at least 1 year.
- Their pneumococcal vaccinations are complete.

PPSV23 → At least 1 year wait → PCV15 or PCV20

www.cdc.gov/pneumococcal/vaccination.html



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ACIP April 2022 Update



- Hepatitis B Vaccines are now universally recommended for all adults aged 19 – 59 years old instead of based solely on risk factors. This reflects the rising cases of Hepatitis B since nadir in 2014, and acknowledges that risk-based intervention misses people reluctant to disclose.
- Also note that ACIP recommendations for Hepatitis B screening was updated in March 2023 to include testing at least once per lifetime in addition to risk factor based testing

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ACIP June 2022 Update



- **JYNNEOS for Monkeypox**
 - Two vaccines (JYNNEOS and ACAM2000) for orthopoxviruses (including MPX and smallpox). JYNNEOS w/ much less contraindications.
 - Pre- or post- exposure prophylaxis indications based on risk factors (generally intimate, prolonged contact)
 - Most healthcare workers do not need to get this vaccine. Exceptions include HCPs w high risk exposure (caring for +pt for prolonged period without PPE) and lab personnel handling specimens

<https://www.cdc.gov/mmwr/volumes/71/wr/mm7122e1.htm>

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ACIP August 2022 Update



UPDATED 2022-2023 INFLUENZA VACCINE RECOMMENDATIONS

Look for specific updates, including:

- 3 vaccines preferentially recommended for people 65 and older
- Vaccine composition updated to better protect against flu viruses expected to circulate this season

CDC recommends everyone 6 months and older get an annual flu vaccine

MMWR

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ACIP June 2023 Update



- RSV Vaccine (Abrysvo or Arexvy) for adults 60+ (shared decision making)
 - Single dose (for now), high efficacy over two RSV seasons
 - Can be coadministered with other vaccines
 - Abrysvo is also recommended for pregnant people 32 – 36 wks GA from Sept – Jan
 - When vaccinating adults 60+ years, it should be done year round (in contrast with pregnant people and babies only during RSV season)

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ACIP December 2023 Update



- Polio
 - New: Unvaccinated or partially vaccinated adults should complete primary series
 - Case of polio in 2022 in NY in an unvaccinated adult prompted this new recommendation
 - Unchanged: Fully vaccinated adults with exposure risk (travel to endemic area, etc) should get one booster

<https://www.cdc.gov/mmwr/volumes/72/wr/mm7249a3.htm>

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Vaccines Indicated for Healthcare Personnel



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HCP Vaccination Recommendations

Vaccination	Recommendation
COVID-19	Everyone 6 months+ should get one dose of newest formulation
Hepatitis B	If no prior dose, either 2 doses of Heplisav-B or 3-dose series of either Engerix or Recombivax Obtain serology 1-2 months after final dose
Influenza	Give 1 dose annually
MMR	HCP born in 1957 or later need 2-doses of MMR, 4 weeks apart if no prior immunity or vaccination. Before 1957, consider serology testing and dosing if needed
Varicella	If no prior infection, serologic immunity, prior vaccination, give 2 doses of varicella vaccine 4 weeks apart
Tetanus, diphtheria, pertussis	Give 1 dose to all who have not received previously. Each pregnancy. Booster every 10 years (Td or Tdap)
Meningococcal	Routinely to microbiologists exposed to isolates of <i>N. Meningitidis</i>

<https://www.cdc.gov/vaccines/adults/rec-vac/hcw.html>

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ACIP COVID-19 Vaccine



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COVID Vaccination Recommendations (immunocompetent)

Updated (2023, 2024 Formulas)	Number of updated (2023, 2024 Formulas)	Dosage	Vaccine vial cap and label color	Interval between doses
Novavax	1	0.5 mL/200 µg	Dark blue cap, blue label	—
OR				
Novavax	2	0.5 mL/10 µg rS protein and 10 µg Matrix M adjuvant	Blue cap, blue label	2-8 weeks
OR				
Pfizer BioNTech	1	0.3 mL/200 µg	Grey cap, grey label	—
OR				
Moderna	1	0.5 mL/50 µg	Dark blue cap, blue label	At least 8 weeks after last dose
OR				
Novavax	1	0.5 mL/5 µg rS protein and 50 µg Matrix M adjuvant	Blue cap, blue label	At least 8 weeks after last dose
OR				
Pfizer BioNTech	1	0.3 mL/200 µg	Grey cap, grey label	At least 8 weeks after last dose

*COVID-19 vaccination history refers to previous receipt of doses of Original monovalent mRNA or bivalent mRNA vaccine or a combination of the two for people ages 12 years and older. Original monovalent Novavax COVID-19 vaccine doses, alone or in combination with any mRNA vaccine doses, and for people ages 18 years and older. Inactivated COVID-19 vaccine doses, alone or in combination with any mRNA or Original monovalent Novavax vaccine doses.

**An interval of 2-8 weeks between the first and second COVID-19 vaccine (Moderna, Novavax, and Pfizer-BioNTech) doses might be optimal for some people as it might reduce the small risk of myocarditis and pericarditis associated with these vaccines.

<https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html#interchangeability>

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COVID-19 Vaccine Update – Back to Monovalent

Take away – immunocompetent people over age of 5 only need one dose of the updated monovalent mRNA COVID vaccine since Sept 2023 (two doses if Novavax) to be up to date

<https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html#interchangeability>

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COVID Vaccines

- So wait – I thought it wasn't required anymore for healthcare personnel?
 - The federal CMS regulation which had required all HCPs to be covid vaccinated has been retired. Individual hospitals, LTC companies, etc can decide to have it be an internal condition of employment if they wish. CMS continues to require reporting of HCPs' vaccination rates.

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- Yes, it is safe to receive COVID, flu and RSV shots at the same time!
- Make it as easy as possible for your staff and residents to get the latest COVID shots

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Hepatitis B

- Indications**
 - Universal; HCP with potential blood exposure (OSHA required OR signed refusal)
- Administration**
 - Prior to administration do not routinely perform serologic screening for HB unless cost effective
 - After last dose in the series, test for immunity (>10 mIU/mL); if inadequate provide one more series and test again for immunity; if inadequate test consider as "non-responder"
 - If non-immune after two series, test for HBsAg

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Hepatitis B

- HEPLISAV-B approved in late 2017
- Nonpregnant adults > 18 years of age
- Two doses one month apart
- Not studied in hemodialysis patients

Age (years)	HEPLISAV-B ^a		Engerix-B ^a		Difference in SFRs (HEPLISAV-B minus Engerix-B) Difference (95% CI)
	N	SFR (95% CI)	N	SFR (95% CI)	
18-29	174	100.0% (97.9, 100.0)	99	93.9% (87.3, 97.7)	6.1% (2.8, 12.6)*
30-39	632	98.9% (97.7, 99.6)	326	92.0% (88.5, 94.7)	6.9% (4.2, 10.4)*
40-49	974	97.2% (96.0, 98.2)	518	84.2% (80.7, 87.2)	13.1% (9.9, 16.6)*
50-59	1439	95.2% (94.0, 96.3)	758	79.7% (76.6, 82.5)	15.5% (12.6, 18.7)*
60-70	1157	91.6% (89.9, 93.1)	588	72.6% (68.8, 76.2)	19.0% (15.2, 23.0)*

https://www.fda.gov/downloads/BiologicsBloodVaccines/Vaccines/ApprovedProducts/UCM584762.pdf

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Influenza Season 23-24

	Week 11
No. of specimens tested	82,202
No. of positive specimens (%)	9,862 (12.0%)
Positive specimens by type	
Influenza A	5,121 (51.9%)
Influenza B	4,741 (48.1%)

Weekly U.S. Influenza Surveillance Report | CDC

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Meet our Flu Fighters

Every year individuals around the world work to study, track, and prevent flu. This page profiles these Flu Fighters and the work they are doing to contribute to flu prevention in the U.S. and around the world!

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MMWR ALL HEALTHCARE WORKERS NEED FLU VACCINES

VACCINATING HEALTHCARE WORKERS

- REDUCES FLU AMONG WORKERS
- REDUCES WORK ABSENCES
- PROTECTS PATIENTS

3 OF 4 HEALTHCARE WORKERS GET FLU VACCINES

HIGHEST WHEN EMPLOYER REQUIRED VACCINE OR GAVE ONSITE

LOWEST FOR LONG-TERM CARE WORKERS

WORKPLACE STRATEGIES CAN HELP!

- PROMOTE ON-SITE VACCINATION
- OFFER LOW OR NO COST VACCINES
- REMEMBER NON-CLINICAL STAFF

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Influenza vaccines

- ACIP recommendations
 - One annual dose for all persons ≥ 6 months of age (sometimes 2 doses for kids)
 - Required for residents and HCP in ECFs in NC (1 N.C. Gen. Stat. Ann. § 131E-113(a))
 - Required in SC LTC (S.C. Code Ann. Regs. 61-17)
 - Immunize as soon as vaccine becomes available for the current season (winding down 23-24 season now)

https://www.cdc.gov/flu/pdf/professionals/wdu/wcp-2023-22-summary-of-recommendations-updated.pdf [Long-term-care-toolkit.pdf \(cdc.gov\)](#)

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Measles is coming back

Measles cases in 2024

As of March 21, 2024, a total of 64 measles cases were reported by 17 jurisdictions: Arizona, California, Florida, Georgia, Illinois, Indiana, Louisiana, Maryland, Michigan, Minnesota, Missouri, New Jersey, New York City, Ohio, Pennsylvania, Virginia, and Washington.

****More cases in 2024 so far than all of 2023****

Super contagious: 9 out of 10 susceptible people who are exposed will contract measles

Number of measles cases reported by week

2023-2024* (as of March 21, 2024)

If you suspect a case of measles in your facility, call your local health department or NC Epi On Call 919-733-3419 IMMEDIATELY 24/7 (not days or hours later)

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Measles, Mumps, Rubella (MMR)

- Measles**
 - Born before 1957: Consider immune (except during outbreak); Born after 1957: 2 doses
 - Immunity = Appropriate immunizations or positive serology
- Mumps**
 - Born before 1957: Consider immune (except during outbreak); Born after 1957: 2 doses.
 - 3rd dose considered in outbreak settings.
 - Immunity = Appropriate immunizations or positive serology
- Rubella**
 - 1 dose of MMR
 - Immunity = Appropriate immunizations or positive serology

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Varicella

- Special consideration should be given to those who have close contact with**
 - Persons at high risk for severe disease (e.g., immunocompromised persons)
 - Persons are at high risk for exposure or transmission (e.g., teachers of young children, college students, military recruits, international travelers)
- Immunity**
 - 2 doses of vaccine (gold standard), positive serology. Could also accept history of varicella if lab confirmed or epi-linked, but verbal report "I had chicken pox as a kid" doesn't count.
 - Receiving Shingrix vaccine does not count as immunity for varicella

<https://www.cdc.gov/mmwr/preview/mmwrhtml/rr6007a1.htm>

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Varicella

During the first 25 years,* the U.S. chickenpox vaccination program has **PREVENTED** an estimated:

- 91 million CASES
- 238,000 HOSPITALIZATIONS
- 2,000 DEATHS

*The U.S. chickenpox vaccination program started in 1995.

THEN	EACH YEAR	NOW
MORE THAN 4 million chickenpox cases		FEWER THAN 150,000 chickenpox cases
MORE THAN 10,000 hospitalizations		FEWER THAN 1,400 hospitalizations
UP TO 150 deaths		LESS THAN 30 deaths

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Tetanus-diphtheria-acellular pertussis (Tdap)

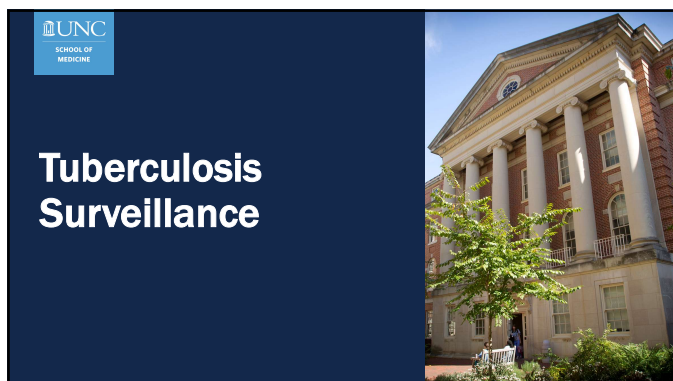
- Substitute 1 dose Tdap for all adults when Td booster due if no history of Tdap.**
 - May be used to provide tetanus PEP
 - Provide to all adults with exposure to young children (no delay after Td)
 - Also recommended for pregnant people in each pregnancy (preferably 27-36 weeks gestational age)
 - Only one dose of Tdap is required, employees who are 10 years out from Tdap can be boosted with Td or Tdap (but preference is Tdap).

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Meningococcal Vaccine

- Recommended for adults had high risk of disease (persistent complement deficiency, functional or anatomic asplenia, or HIV infection (adolescents)).
 - Two vaccines series are needed: MenACWY and Serogroup B (MenB)
- MenACWY**
 - Immunosuppressed – 2 doses of MenACWY and boosters every 5 years, 2 or 3-dose MenB
- Microbiologists – 1 dose, booster every 5 years (MenACWY), 2 or 3-dose MenB**
 - Now they could get the combo MenABCWY vaccine when both are indicated
- Anatomic/functional asplenia patients should be vaccinated against MenACWY/MenB

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Bloodborne Pathogens



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Bloodborne Pathogens

- Approximately 385,000 needle sticks and other sharps-related injuries to hospital-based healthcare personnel each year.
- 58 total known occupationally acquired HIV cases in HCPs; all but 1 were prior to 1999.
- 88% (50/57) of the documented cases of occupational HIV transmission from 1985-2004 involved a percutaneous exposure. Of those, 45/57 involved a hollow-borne needle.
- 41% of sharp injuries occur during use; 40% after use/before disposal; 15% during/after disposal

<https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6353a4.htm>

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Steps for Prevention

- Needleless devices
- Single-hand recapping
- Handwashing stations
- Sharps containers
- Laundry
- Disposal of contaminated material
- Mask, eye protection, gloves, & face shields





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OSHA Bloodborne Pathogens Standard

- Employers must establish a written exposure control plan and provide annual training
- Mandates use of universal precautions (all body fluids assumed contaminated except sweat)
- Employers must utilize engineering and work practice controls to minimize/eliminate exposure

(e-CFR 1910.1013)

<https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.1030>

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OSHA Bloodborne Pathogens Standard

- Requires offering hepatitis B vaccine to persons with the potential for exposure
- Testing of exposed employees for Hepatitis B and HIV
- Post-exposure prophylaxis must be immediately available as per CDC guidelines
- All work-related needle stick injuries and cuts from sharp objects that are contaminated with another person's blood or other potentially infectious material are OSHA-reportable regardless of the source patient disease status.


(e-CFR 1910.1013)

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OSHA Bloodborne Pathogens Standard

- All work-related needle stick injuries and cuts from sharp objects that are contaminated with another person's blood or other potentially infectious material are OSHA-reportable regardless of the source patient disease status.



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Bloodborne Pathogens

RISK ↓

- Risk (percutaneous exposure)**
 - HBV: 22.0 – 30.0% (HBeAg⁺), 1.0 – 6.0% (HBeAg⁻)
 - HCV: 1.8%
 - HIV: 0.3% (1 in 300)
- Risk (mucous membrane)**
 - HBV: Yes (rate unknown)
 - HCV: Yes (rate unknown but very small)
 - HIV: 0.1% (1 in 1000), <0.1% (non-intact skin)
- Test source for hepatitis B (HBsAg), hepatitis C (HCV PCR), HIV (4th gen, HIV antibodies and p24 antigen)
- Provide hepatitis B prophylaxis, if indicated
- Provide follow-up for hepatitis C, if indicated
- If source HIV+ or at "high risk" for HIV, offer employee HIV prophylaxis per CDC protocol

CDC, 2003

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Post-exposure Pathway

Infection Status of Source Patient	Baseline Lab	2 Weeks	4 Weeks	6 Weeks	4 Months	6 Months
DATE: →	_____	_____	_____	_____	_____	_____
HIV positive	HIV test – 4 th generation	Lab - only if serologic or clinical indication		HIV test – 4 th generation	HIV test – 4 th generation	
HBsAg positive	<ul style="list-style-type: none"> If source positive and HCV unknown, need HBsAg If HBeAg < 1.2 mIU/mL, need anti-HBe & HBeAg at baseline 	Lab - only if serologic or clinical indication				Anti-HBe; HBeAg
Hepatitis C positive	Anti-HCV (hepatitis C antibody)	Lab - only if serologic or clinical indication		HCV RNA PCR	Anti-HCV (hepatitis C antibody)	
Unknown source	<ul style="list-style-type: none"> HIV test – 4th generation If source unknown and HCV unknown, need HBsAg If HBeAg < 1.2 mIU/mL, need anti-HBe & HBeAg at baseline HCV antibody 	Lab - only if serologic or clinical indication		HIV test – 4 th generation HCV RNA PCR	HIV test – 4 th generation Anti-HCV (hepatitis C antibody)	Anti-HBe; HBeAg

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Current HIV PEP


- 10A NCAC 41A .0202
- CONTROL MEASURES – HIV**
 - When the source case is known, the attending physician or occupational health provider responsible for the exposed person shall notify the healthcare provider of the source case that an exposure has occurred.
 - This healthcare provider shall arrange HIV testing of the source person (unless known to be HIV+) and notify the OHS provider of the test results.
 - Source patient consent is **not required**

<http://reports.ohi.state.nc.us/wcaoc/ncac/12010a11.201%20Health%20and%20Human%20Services/chapter120411.20%20Occupational%20Health%20Subchapter%201101a%20ncac%2020140102.0202.html>

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Current HIV PEP

- Three-drug regimen**
 - Tenofovir-emtricitabine (Truvada) + raltegravir (Isentress) for 4 weeks (28 days)
 - Other regimens are available for known HIV-source patients with specific drug resistance but these cases are rare.
 - Start within 72 hours
 - Baseline HIV, 6 weeks, 4-6 months



Kuhar, D. T., Henderson, D. K., Struble, K. A., Haneline, W., Thomas, V., Cheever, L. W., Gomez, A., Pantito, A. L., & US Public Health Service Working Group. (2013). Updated US Public Health Service Guidelines for the Management of Occupational Exposures to Human Immunodeficiency Virus and Recommendations for Postexposure Prophylaxis. *Infection Control and Hospital Epidemiology*, 34(8), 875–892. <https://doi.org/10.1093/icc/cit271>

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Hepatitis B

- Universal; HCP with potential blood exposure (OSHA required or HCP may decline)**
 - No need to routinely obtain Hep B titers if an employee has documented vaccine series and a positive titer
 - In practice, we usually titer and give a booster if titer is < 10 mIU/mL
 - For known non-responders, with exposure they should get Hepatitis B Immune Globulin (HBIG) within 24 hours (up to 7 days after exposure)

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Hepatitis B

Postexposure Management of Health Care Personnel after Occupational Exposure to Blood and Body Fluids, by Health Care Personnel HepB Vaccination and Response Status

HBsAg	Anti-HBc	HBsAb*
Acute infection	Positive	Negative
Infection resolved	Negative	Positive
Chronic infection	Positive	Negative
Vaccinated	Negative	Positive
Susceptible	Negative	Negative

HBsAg	Anti-HBc	HBsAb*	HBsAg	HBIG†	Vaccination	Postvaccination
Documented responder† after 2 complete series	Documented nonresponder† after 2 complete series	Response unknown after a complete series	Unknown†/serology not checked†/vaccine effect†	Documented responder† after 2 complete series	Documented nonresponder† after 2 complete series	Response unknown after a complete series
No action needed	No action needed	No action needed	No action needed	No action needed	No action needed	No action needed
No action needed	No action needed	No action needed	No action needed	No action needed	No action needed	No action needed
No action needed	No action needed	No action needed	No action needed	1 dose HBIG	Institute re-vaccination	Yes
No action needed	No action needed	No action needed	No action needed	None	Institute re-vaccination	Yes
No action needed	No action needed	No action needed	No action needed	No action needed	No action needed	No action needed
No action needed	No action needed	No action needed	No action needed	1 dose HBIG	Complete vaccination	Yes
No action needed	No action needed	No action needed	No action needed	None	Complete vaccination	Yes

HBIG should be administered intramuscularly as soon as possible after exposure when indicated. The effectiveness of HBIG when administered greater than 7 days after percutaneous, mucosal, or nonintact skin exposure is unknown. HBIG and HepB vaccine should be administered in separate anatomic injection sites.

*Should be performed 1 to 2 months after the last dose of the HepB vaccine series (and 4 to 6 months after administration of HBIG to avoid detection of passively administered anti-HBc) using a quantitative method that allows detection of the protective concentration of anti-HBs (greater than or equal to 10 mIU/mL).

†A responder is defined as a person with anti-HBs greater than or equal to 10 mIU/mL after 3 or more doses of HepB vaccine.


**A nonresponder is defined as a person with anti-HBs less than 10 mIU/mL after 2 complete series of HepB vaccine.

††A person who has anti-HBs less than 10 mIU/mL, or who is unvaccinated or incompletely vaccinated, and within an exposure to a source patient who is HBsAg positive or has unknown HBsAg status, should undergo baseline testing for HBV infection as soon as possible after exposure and follow-up testing approximately 90 months later. Initial baseline tests consist of total anti-HBc testing at approximately 6 months consists of HBsAg and total anti-HBc.

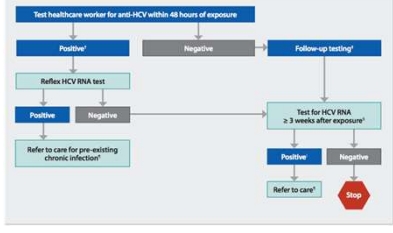
https://www.cdc.gov/vaccines/imz/ihr/ndoc/book/hepb_fmif/Epidemiology

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Hepatitis C




- No post-exposure prophylaxis
- Source patients should be tested by Hep C PCR



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Follow-up Testing



- Hepatitis B
 - Not required if employee has immunity
- HIV
 - Dependent on source patient and available testing
- Hepatitis C
 - Dependent on source patient, test for HCV antibodies and HCV RNA


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Occupational Health and COVID

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COVID in the US March 2024



COVID-19 Update for the United States

Early Indicators

Test Positivity

% Test Positivity

4.6%

(March 10 to March 16, 2024)

Trend in % Test Positivity

-0.8% in most recent week

Emergency Department Visits

% Diagnosed as COVID-19

0.7%

(March 10 to March 16, 2024)

Trend in % Emergency Department Visits

-25.6% in most recent week

Severity Indicators

Hospitalizations

Hospital Admissions

10,719

(March 10 to March 16, 2024)

Trend in % Hospital Admissions

-20.9% in most recent week

Deaths

% of All Deaths in U.S. Due to COVID-19

1.8%

(March 10 to March 16, 2024)

Trend in % COVID-19 Deaths

No change in most recent week

Total Hospitalizations: 6,891,605


Total Deaths: 1,185,413

CDC | Test Positivity data through March 16, 2024; Emergency Department Visit data through March 16, 2024; Hospitalization data through March 16, 2024; Death data through March 16, 2024. Posted March 25, 2024 3:25 PM ET

<https://www.cdc.gov/covid-data-stack/#datatracker-home>

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COVID Control Recommendations




Updated May 8, 2023

- Encourage all employees to remain up to date on COVID-19 vaccines, including provision of resources
- Establish a process to identify and manage individuals with suspected or confirmed COVID
- Implement source control measures (changed from earlier recommendations)
- Implement universal use of personal protective equipment for HCP
- Optimize use of engineering controls and indoor air quality
- Perform SARS-CoV-2 viral testing
- Create a process to respond to COVID exposures among HCP and others

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.html>
<https://www.cdc.gov/coronavirus/2019-ncov/hcp/guidance-risk-assessment-hcp.html>

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COVID Control Recommendations




- Encourage all employees to remain up to date on COVID-19 vaccines, including provision of resources
 - Recall that we discussed earlier that this is no longer mandatory for federal regulations but can be mandatory if your employer decides to make it

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.html>

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COVID Control Recommendations




- Establish a process to identify and manage individuals with suspected or confirmed COVID
- For HCPs, they should report any of the following three criteria to your Occupational Health:
 - Positive test for COVID
 - Symptoms of COVID
 - HCPs with even mild symptoms need a test!
 - Positive antigen test (like a home test) is sufficient; no need to retest with PCR
 - Negative antigen test is NOT sufficient and needs confirmatory PCR
 - Don't forget about flu and RSV!
 - Should not be working until at least 24 hrs without fever of any cause off antipyretics
 - Close contact to COVID

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.html>

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COVID-19+ HCP Return to Work



HCP with **mild to moderate illness** who are **not moderately to severely immunocompromised** could return to work after the following criteria have been met:

- At least 7 days have passed *since symptoms first appeared* if a negative viral test* is obtained within 48 hours prior to returning to work (or 10 days if testing is not performed or if a positive test at day 5-7), **and**
- At least 24 hours have passed *since last fever* without the use of fever-reducing medications, **and**
- Symptoms (e.g., cough, shortness of breath) have improved.

*Either a NAAT (molecular) or antigen test may be used. If using an antigen test, HCP should have a negative test obtained on day 5 and again 48 hours later


HCP who were **asymptomatic** throughout their infection and are **not moderately to severely immunocompromised** could return to work after the following criteria have been met:

- At least 7 days have passed since the date of their first positive viral test if a negative viral test* is obtained within 48 hours prior to returning to work (or 10 days if testing is not performed or if a positive test at day 5-7).

*Either a NAAT (molecular) or antigen test may be used. If using an antigen test, HCP should have a negative test obtained on day 5 and again 48 hours later

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What about quarantines for exposures?




Work restriction is not necessary for most asymptomatic HCP following a higher-risk exposure, regardless of vaccination status. Examples of when work restriction may be considered include:

- HCP is unable to be tested or wear source control as recommended for the 10 days following their exposure;
- HCP is moderately to severely immunocompromised;
- HCP cares for or works on a unit with patients who are moderately to severely immunocompromised;
- HCP works on a unit experiencing ongoing SARS-CoV-2 transmission that is not controlled with initial interventions;

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Asymptomatic HCPs w COVID exposures




Following a higher-risk exposure, HCP should:

- Have a series of three viral tests for SARS-CoV-2 infection.
 - Testing is recommended immediately (but not earlier than 24 hours after the exposure) and, if negative, again 48 hours after the first negative test and, if negative, again 48 hours after the second negative test. This will typically be at day 1 (where day of exposure is day 0), day 3, and day 5.
 - Due to challenges in interpreting the result, testing is generally not recommended for asymptomatic people who have recovered from SARS-CoV-2 infection in the prior 30 days. Testing should be considered for those who have recovered in the prior 31-90 days; however, an antigen test instead of NAAT is recommended. This is because some people may remain NAAT positive but not be infectious during this period.
- Follow all **recommended infection prevention and control practices**, including wearing well-fitting source control, monitoring themselves for fever or **symptoms consistent with COVID-19**, and not reporting to work when ill or if testing positive for SARS-CoV-2 infection.
- Any HCP who develop fever or **symptoms consistent with COVID-19** should immediately self-isolate and contact their established point of contact (e.g., occupational health program) to arrange for medical evaluation and testing.

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Employee Well-being



- Could be its own lecture
- Taking good care of employees benefits all: patients, employees, and the business (safer environment, lower turnover, less staffing shortages)
- Physical and mental well-being
 - Living wages and robust benefits
 - Parental leave
 - Comprehensive DEI (diversity, equity and inclusion) trainings and meaningful reflections in workplace policies/practices, not just lip service
 - Safety from workplace violence
 - Fair PTO policies that disincentivize presenteeism
 - Access to resources for burnout, moral injury

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Respiratory Illnesses on the Rise



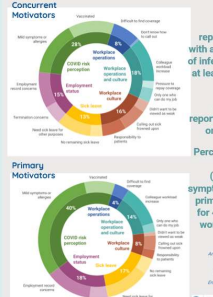
- Presenteeism is a major threat to patient and employee health

"Stay home, save lives": Characterizing sickness presenteeism among healthcare personnel during the COVID-19 pandemic

Background
Sickness presenteeism on healthcare systems and services due to the SARS-CoV-2 pandemic have altered the workplace environments, potentially affecting sickness presenteeism, defined as presenting to work with symptoms of illness.

Methods
This surveyed 586 healthcare personnel (HCP) at a large academic medical center in North Carolina about their experiences, perceptions and behaviors related to sickness presenteeism during the COVID-19 pandemic. We measured frequency of and motivators for reported presenteeism with any symptoms of infectious illness as well as other respiratory infections (RSI) symptoms specifically, using six square matrices and logistic regression modeling. We compared these reports between demographic groups.

Study population
Participants in the survey were mostly:
 • Female (81%)
 • White (64%), Black (11%), or 1+ race (14%)
 • Worked as direct patient care providers (60%)
 • Worked in ICU or Intensive Care (25%) leaders
 • Reported age categories 30 - 39 (27%)




Concurrent Motivators


Primary Motivators

Results
60% of HCP reported working with any symptoms of infectious illness at least once since March 2020.
Of them, 84% reported more than one motivation.
Perceived low risk of COVID-19 (primarily mild symptoms) was the primary motivator for 40% of people working with any symptoms.

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Civic Health - Voting





Multipartisan Assistance Team (MAT)

A multipartisan assistance team, or "MAT," is a group appointed by a county board of elections to assist with mail-in absentee voting and other services to voters living at facilities such as hospitals, clinics, and nursing homes.

A MAT includes, at a minimum, two people who have different party affiliations (or, in the alternative, persons who were unanimously appointed by a bipartisan county board of elections). If you request help from a MAT, you should receive impartial, professional assistance. Their job is to help you vote, but your voting choices will remain confidential.

MATs are authorized to help voters in the following ways, with specific legal requirements:

- Providing voter registration services.
- Requesting an absentee ballot.
- Serving as an absentee witness.
- Marking the absentee ballot.
- Sealing the ballot and completing the absentee application.
- Mailing the voted absentee ballot in the closest U.S. mail depository or mailbox, if the voter has a disability.

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Thank You!

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