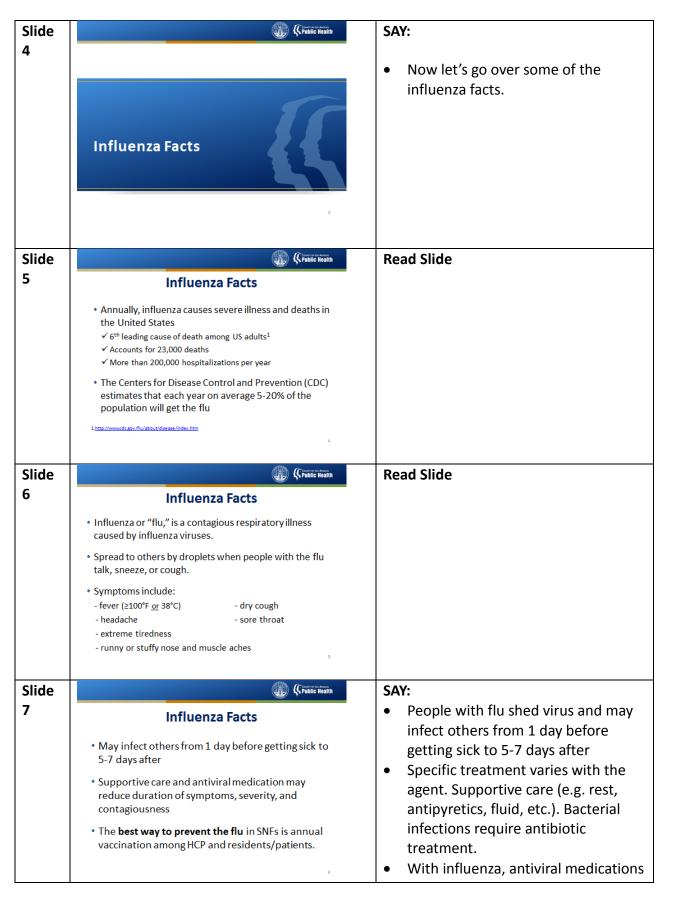
Training Slides and Speaker's Notes

Content SNF administrative staff may use to train their line staff

#	Slide Content	Speaker's Notes
Slide 1	Influenza Vaccination in Skilled Nursing Facilities County of Los Angeles Department of Public Health	Hello, my name is Today I'm (We're) here to talk to you about how we can protect ourselves, our patients, and our coworkers against influenza (flu).
Slide 2	Overview Influenza Facts Basics of Influenza Prevention and Infection Control Strategies in Skilled Nursing Facilities (SNFs) Influenza Vaccination Mandate for Healthcare Personnel (HCP) in Los Angeles County Vaccination and What to do with Decliners	 SAY: Before we begin, let's go over what we'll talk about today. Go over the bullets. ASK: Any questions before we begin? (Allow time for audience to respond) SAY: Please raise your hand if you have any questions or comments throughout the presentation.
Slide 3	Learning Objectives 1. Provide facts about influenza 2. Review the basics of influenza prevention strategies in SNFs 3. Provide an overview of the influenza vaccination mandate 4. Address strategies in promoting vaccination among decliners in SNFs	 SAY: Here are the learning objectives for this training. Go over the bullets



may reduce the severity and duration of flu illness if administered within 48 hours of onset. There are 3 FDA-approved influenza antiviral drugs recommended by CDC this season to treat influenza. The brand names for these are Tamiflu® (generic name oseltamivir), Relenza® (generic name zanamivir), and Rapivab® (generic name peramivir). Tamiflu® is available as a pill or liquid and Relenza® is a powder that is inhaled. (Relenza® is not for people with breathing problems like asthma or COPD, for example.) Rapivab® is administered intravenously by a health care provider. Read 3 bullet Slide (C) Public Health **Read Slide** 8 The Flu in Skilled Nursing Facilities Challenges: • Elderly are at higher risk for complications · Atypical flu symptoms · Vaccination may be less effective in the patients age ≥65 · Less access to diagnostic tests (C) Public Health *Optional Slide Slide 9 Patients age ≥65 Vaccination SAY: Efficacy of High-Dose versus Standard-Dose Influenza Vaccine in Older Adults This slide is on 'Efficacy of High-Dose vs. Standard-Dose Influenza Vaccine in Older Adults', a study Randomized, double-blind trial in patients age ≥65 from the New England Journal of High-dose (4x) influenza vaccine provided improved protection against lab-confirmed influenza illness, Medicine. compared to standard-dose vaccine (relative efficacy 24%, 95%CI 9.7-36.5%) People 65 years and older have two NEJM 2014: 371: 635-45 flu shots available to choose from -

a regular dose flu vaccine and a newer flu vaccine designed for people 65 and older (http://www.cdc.gov/flu/protect/va ccine/qa fluzone.htm) with a higher dose. The high dose vaccine is associated with a stronger immune response to vaccination (higher antibody production). Whether or not the improved immune response translated into greater protection against flu disease has been the topic of ongoing research. A recent study published in The New **England Journal of Medicine** indicated that the high-dose vaccine was 24.2% more effective in preventing flu in adults 65 years of age and older relative to a standard-dose vaccine. (The confidence interval for this result was 9.7% to 36.5%). The CDC and its Advisory Committee on Immunization Practices have not expressed a preference for either vaccine. These new findings will be considered along with other available data in ACIP's future policy deliberations. Slide (C) Public Health SAY: 10 Now let's look at Influenza Prevention Strategies. **Influenza Prevention Strategies**

Slide	(C) Fublic Health	Read Slide
11	Influenza Prevention Strategies 1. Influenza Vaccination of HCP and among Residents 2. Education/Awareness and Early Recognition of Influenza-like Illness (ILI) 3. Infection Control and Exposure Management	I will go over each of the strategies in more details in the next few slides.
Slide 12	Influenza Vaccination of HCP and among Patients • Effective in reducing influenza among HCP and residents/patients • Decreased morbidity and mortality among residents/patients • Reduction in staff illness and illness-related absenteeism.	The cost of promoting and delivering vaccinations to health care personnel is lower than the costs associated with influenza illness.
Slide 13	• Increased productivity Frompt Recognition of Influenza-Like Illness (ILI) • Active screening • Restrictions for sick	Read Slide Screening for influenza-like illness (ILI) symptoms on admission Daily active screening during flu
	 Isolation healthcare workers and visitors Treatment • Encourage reporting Involve patients and families 	 Prompt isolation, testing (Confirmed by viral isolation, PCR, rapid antigen test, DFA/IFA test) and compatible symptoms, and treatment Restrictions for sick healthcare workers and visitors Encourage all to report anyone with ILI symptoms to a designated person Involve patients and families

Respiratory Etiquette & Educational Signage Why do we wear masks? FOR EVERYONE Was an Annual for a range of surgices required by the surgice of the surgi

SAY:

- There are lots of health educational materials available from Los Angeles County Department of Public Health Acute Communicable and Immunization Programs, and CDC. The links to the materials are provided at the end of the presentation. To request materials from the Immunization Program, call the Immunization Program's Customer Service Unit at 323-869-8080.
- Also CDPH provides respiratory hygiene disease prevention educational materials for download and limited copies may also be available for order.

The links to the materials are:

- Flu Prevention Tips: http://eziz.org/assets/docs/IMM-969.pdf
- Cover Your Cough Table Tent: http://eziz.org/assets/docs/IMM-784.pdf
- Health Alert/Cover Your Cough: http://eziz.org/assets/docs/IMM-783.pdf
- Multi-lingual Stop Disease Poster: http://eziz.org/assets/docs/IMM-780.pdf
- Wash Your Hands Poster
 (Multilingual Version 1):
 http://eziz.org/assets/docs/IMM-819.pdf
- Wash Your Hands Poster
 (Multilingual Version 2):
 http://eziz.org/assets/docs/IMM-825.pdf

Slide (Countrie las Assent 15 Infection Control Standard precautions · Droplet isolation Hand hygiene and isolation supplies Single room Duration of isolation Exposure investigations · Antiviral Prophylaxis · Cohorting (grouping) as necessary

SAY:

Flu is highly contagious.
 Appropriate infection control measures should be in place to prevent spread of flu in the facility.

Read Slide

- Standard Precautions are the minimum infection prevention practices that apply to all patient care, regardless of suspected or confirmed infection status of the patient, in any setting where healthcare is delivered. These practices are designed to both protect HCP and prevent HCP from spreading infections among patients.
- Prompt droplet isolation pending testing
- Droplet isolation is intended to prevent transmission of pathogens spread through close respiratory or mucous membrane contact with respiratory secretions. Droplet Precautions should be implemented for residents with suspected or confirmed influenza for 7 days after illness onset or until 24 hours after the resolution of fever and respiratory symptoms, whichever is longer, while a resident is in a health care facility.
- Have hand hygiene and isolation supplies readily available at the point of care
- Single room if possible, and avoid activities outside the room
- Continue isolation until 7 days after onset of symptoms or 24 hours after fever/respiratory symptom resolution, whichever is longer (regardless of treatment)

- "Test-of-cure" at the end of therapy is not recommended
- Investigation of exposure
- All long-term care facility residents
 who have confirmed or suspected
 influenza should receive antiviral
 treatment immediately. Treatment
 should not wait for laboratory
 confirmation of influenza. Antiviral
 treatment works best when started
 within the first 2 days of symptoms.
 However, these medications can still
 help when given after 48 hours to
 those that are very sick, such as
 those who are hospitalized, or those
 who have progressive illness.
- All eligible residents in the entire long-term care facility (not just currently impacted wards) should receive antiviral chemoprophylaxis as soon as an influenza outbreak is determined.
- Cohorting (grouping) as necessary

Slide 16



Influenza Outbreaks or Clusters in SNF

 Health care institutions associated with long term health care (i.e., skilled nursing facilities, intermediate care facility, and intermediate care for developmentally disabled):

At least one case of laboratory-confirmed influenzain the setting of a cluster (2 or more) of ILI within a 72-hour period

15

SAY:

 Definition of Influenza Outbreaks or Clusters in SNF:

Read Slide

 Acute febrile respiratory infection (AFRI): any illness with a new onset of fever of at least 100°F accompanied by a cough or sore throat (also referred to as influenzalike illness or ILI)

Slide (C) Public Health SAY: **17** Reporting Diseases and **Consulting with ACDC** If there is suspicion of outbreak, a designated person at the SNF should To report a case or outbreaks of any disease or reportable condition, contact: call the Public Health Department By telephone (888)-397-3993, or fax (888)397-3778 for consultation and reporting. Online: publichealth.lacounty.gov/acd/cdrs.htm • For diseases that require medical consultation, call: Go over the slide ACDC (213) 240-7941 After hours, call (213) 974-1234 Online: publichealth.lacounty.gov/acd/ Slide Cover or too Ancest SAY: 18 Now let's look at the LAC DPH Health Officer Order (HOO). **Mandatory Influenza** Vaccination for In 2013 Jonathan E. Fielding, MD, **Healthcare Personnel in LAC** MPH, who was the Director of the Los Angeles County Department of Public Health and Health Officer, issued a health officer order that was designed to protect health care personnel from influenza and lower the risk of the transmission of influenza to patients. This order remains in effect for the duration of the current influenza season and all future seasons, unless rescinded. Slide SAY: 19 Healthcare Personnel (HCP) Vaccination Mandates Nationwide: A growing trend Healthcare Personnel (HCP) Vaccination Mandates is a growing >300 facilities nationwide enforce mandatory HCP vaccination trend nationwide. Professional societies support mandatory HCP vaccination: - Infectious Diseases Society of America **Read Slide** - Association for Professionals in Infection Control and Epidemiology - Society for Healthcare Epidemiology of America - American Academy of Family Physicians - American College of Physicians - American Hospital Association - American Public Health Association

ξ Public Health Slide Read slide 20 Mandatory Flu Vaccination for **Healthcare Personnel in LAC** On Oct 2, 2013, LAC Health Officer County issued the following health order: "Pursuant to my authority under §120175 of the California Health and Safety Code, I hereby order every licensed acute care hospital, skilled nursing facility, and intermediate care facility within the County of Los Angeles public health jurisdiction to implement a program under which health care personnel at such facility receive an annual influenza vaccination for the current season or wear a mask for the duration of the influenza season while in contact with patients or working in patient-care areas. · Applies to all persons, including paid and unpaid employees, contractors, students, and volunteers Effective annually from Nov 1 – Mar 31 (Flu season) Slide Read slide Cover or too Ancest 21 **Rationale for the Mandate** • Many HCW (23%) are infected with influenza each season1 Those with influenza may shed virus 1 day prior to symptoms² • Many HCW (46%) continue to work with active flu-like symptoms³ *Elder AG et al, BMJ 1996; 313: 1241-2 *Suess T et al, PLOS One 2012; 12: e51653 *Enhancipada LC et al, ICHE 2013: 34: 373-8 Slide Cover or los Ancess Public Health Read slide 22 Rationale for the Mandate (continued) SAY: · Influenza vaccination reduces the incidence of Influenza vaccination is effective in laboratory-confirmed influenza, particularly in young, otherwise healthy adults4 reducing influenza, and mandatory Reduce doctor visits by 42% and sick days by 32%⁵ vaccination programs in healthcare · Nosocomial transmission of influenza is well settings have demonstrated described6, and has been linked to low rates of vaccinated HCW7 increased influenza vaccination rates. Thus, mandatory vaccination policies in health care facilities can lead to decreased illness among personnel, decreased staff absenteeism, and would logically lead to decreased morbidity and mortality among patients. Nosocomial transmission from healthcare personnel to patients has been documented in a variety of health care settings.

Slide 23 SAY: LAC Survey of Acute Care Facilities Evaluating the Impact of 2013 Health Officer Order · LAC DPH ACDC Hospital Outreach Unit surveyed facilities to evaluate the impact of the health officer order Inclusion criteria: 94 LAC acute care facilities (excluding Pasadena and Long Beach) - 2 seasons pre-order (2011-2012 & 2012-2013) - 1 season post-order (2013-2014) · Data collected: - Direct laboratory influenza testing results Read 2nd bullet - Survey data from Infection Preventionists (IPs) - Absenteeism data from HR directors / staff on employee sick data.

LAC Department of Public Health Acute Communicable Disease Program Hospital Outreach Unit (HOU) surveyed facilities to evaluate the impact of the health officer order.

- **3**rd **Bullet** is about how the data (3 influenza seasons - 2011-2012, 2012-2013, and 2013-2014) were collected.
- Laboratory Directors are asked to provide laboratory influenza testing
- Infection Preventionists (IPs) are asked to provide information regarding the vaccination policies of their institution, gather data on hospital-onset cases of influenza and to assess the challenges associated with instituting the DPH order. All IPs have been provided with a survey link and line list to track nosocomial influenza.
- **Human Resources Administrator or** other Hospital Administration staff are asked to provide data on the number of sick or missed work days (including paid time off if unable to differentiate between sick leave and missed work days) taken by your institution's staff.

Slide (C) Public Health SAY: 24 **Preliminary Results As of December 2014,** 49 IP surveys • 49 IP surveys completed completed, 44 IP line lists completed of cases identified as nosocomial • 44 IP line lists completed of cases identified as nosocomial influenza influenza, 30 Lab Director line lists • 30 Lab Director line lists completed of positive flu completed of positive flu test obtained > test obtained > 72 hours from admit 72 hours from admit, 29 Absenteeism • 29 Absenteeism forms completed forms completed. (C) Public Health Slide 25 Read slide **Preliminary Results** Comparison of 2012-2013 and 2013-2014 seasons: · Decreased absenteeism: average missed days per employee decreased from 5.5 to 12.7 • Increased vaccination of employees: percentage of employees vaccinated increased from 75.2% (in 2012-2013) to 86.2% (in 2013-2014) Slide (C) Public Health SAY: 26 There are people who are concerned about influenza vaccination and refuse influenza **Common Concerns about** vaccination. Influenza Vaccination... Let's clarify some of the myth/misunderstanding about influenza vaccination. Almost all people who get the influenza vaccine have no serious problems as a result.

Slide (Court of the Assets Public Health Read slide 27 "I always get sick after the flu shot" The most common side effects of • It is biologically impossible to get influenza infection influenza vaccine are soreness, via the flu shot • The flu shot does not protect against other (nonredness, or swelling at the site of influenza) viruses that circulate during flu season injection. These symptoms are · It is possible to get the flu after vaccination usually mild and last less than two ✓ Those infected before or immediately after vaccination may still get the flu (immunity may not develop until 2 weeks after days. ✓ Circulating flu strains may not match the vaccine strain ✓ The vaccine is not 100% effective (though may still reduce severity of infection) Slide Cover or to Ameni SAY: 28 "I never get the flu" Anyone can be affected by influenza and · Influenza infects 5-20% of the US population each can get sick with flu. year (including HCW) · HCW work with sick patients Read slide √ Additional responsibility • Most patients who died from the flu never had it before. Slide Read slide 29 "I don't want toxins injected into me" For 2 Bullet · Thimerosal is used as a preservative to prevent contamination. SAY: √ Removed from single-dose vaccines **Formaldehyde** is used in vaccines to: ✓ Multi-dose vials = 25 micrograms per dose a) inactivate viruses so that they Formaldehyde don't cause disease and b) kill √ Trace amounts present during manufacturing process unwanted viruses and bacteria that (~0.02 micrograms per dose) ✓ A pear contains ~10 mg per pear might contaminate the vaccine when it is being produced. For additional resource/information, http://www.cdc.gov/vaccines/vacgen/additives.htm

Slide (C) Public Health Read slide 30 "I am allergic to egg." · An evaluation of 513 patients with severe egg allergy found NO cases of anaphylaxis reported after vaccination (a few mild allergic reactions were observed)1 Those who experience only hives or a severe reaction after eating eggs may receive Recombinant vaccine (FluBlok®) · Inactivated vaccine in the presence of a physician with experience in the management of severe allergic conditions Des Roches et al. J Allergy Clin immunol 2012;130:1213-6.e1 Slide (Course to Asset SAY: 31 Almost all people who get the **Contra-indications** influenza vaccine have no serious · History of severe allergic reaction to any problems as a result. Serious component of the vaccine or after previous dose of influenza vaccine problems from the flu vaccine, such as severe allergic reactions, are very · Live-Attenuated Influenza Vaccine (Flu Mist) Not recommended for: rare, and can usually be avoided by ✓ age <2 years or >49 years careful history screening prior to ✓ pregnant women, or ✓ persons with chronic illnesses vaccination. People who have experienced previous problems with a vaccination should consult with their healthcare provider before getting a flu shot. **Read Bullets** For additional information, http://www.cdc.gov/mmwr/preview/m mwrhtml/mm6332a3.htm. Slide (C) Public Health SAY: **32** Careful history screening prior to **Precautions** vaccination is critical. · History of Guillain-Barre Syndrome within 6 weeks People who have history of Guillainof receipt of influenza vaccine √ Risk of Guillain-Barre following¹ Barr Syndrome within 6 weeks of -Influenza vaccination: 1 per 1 million doses receipt of influenza vaccine, -Influenza infection: 17 per 1 million infections moderate or severe acute illness · Moderate or severe acute illness with or without a with or without a fever, or Asthma in Asthma in persons > 5 years of age (LAIV) persons \geq 5 years of age (LAIV) should consult with his/her :Kwong JC et al, Lancet Infect Dis 2013; 13: 769-76) healthcare provider before getting a flu shot.

Slide 33



What to do when HCP decline to get vaccinated?

· Education about influenza

In Summary...

Infection

- · Dispelling Myths/Misconceptions about Influenza Vaccination
- Address the common concerns about Influenza Vaccination

Employees, patients, and visitors should be educated on flu symptoms, transmission, and respiratory etiquette sick visitors and healthcare workers are an important source of influenza in SNF improper collection of flu specimens is common and can lead to false-negative results.

Read slide

For additional information, please check CDC's "No Excuses" flyer which addresses many common questions about flu vaccinations.

http://www.cdc.gov/flu/pdf/freeresou rces/general/no-excuses-fluvaccine.pdf



entify strategies to promote ccinations among HCP and

vaccinations among HCP and patients/residents Promote compliance with LA Co Health Order

Provide signage and educational materials for patients and visitors

Educate staff on proper isolation procedures Have hand hygiene and isolation supplies readily available Monitor and feedback compliance with isolation and hand hygiene

(Court or los Auceus Public Health

SAY:

I talked about what influenza is, how it spreads, what basics of Influenza Prevention and Infection Control Strategies in Skilled Nursing Facilities (SNFs) are, what Influenza Vaccination Mandate for Healthcare Personnel (HCP) in Los Angeles County is, and What to do with Decliners.

In summary (You may go over the slide.),

- The best way to prevent the flu in SNFs are:
 - 1) annual vaccination among HCP and patients/residents,
 - 2) educating employees, residents, and visitors about flu symptoms, transmission, and respiratory etiquette and prompt recognition of influenza like illness
 - 3) Educate staff on proper isolation procedures

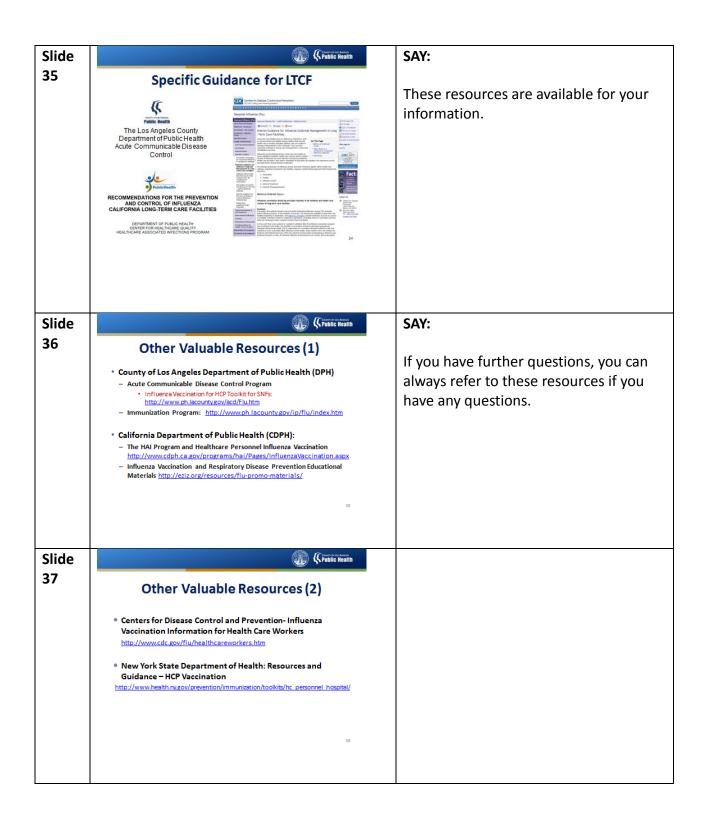
SAY:

I (We) appreciate the time and attention you've given me (us) today.

ASK:

Does anyone have any other questions?

Slide 34



Slide	(Frublic Health	Read slide
38	Acknowledgments	
	LAC DPH ACDC SNF Outreach Team Members	
	Jonathan Grein, MD Assoc. Director, Hospital Epidemiology Cedars-Sinai Medical Center Assistant Clinical Professor David Geffen School of Medicine, UCLA New York State Department of Health: Resources and Guidance – HCP Vaccination	
	37	
Slide	(Fublic Health	
39	KEEP CALM AND GET YOUR FLU SHOT	