



**Briefing Session on**

**Recommendations on Seasonal Influenza  
Vaccination and Pneumococcal Vaccination,  
Vaccination Subsidy Scheme (VSS) 2023/24 and  
Elderly Health Care Voucher Scheme (HCVS)**

**July 2023**

**(Updated on 22 November 2023)**



**衛生署**  
Department of Health

# Updates on Seasonal Influenza Vaccination and Pneumococcal Vaccination

**July 2023**

**(Updated on 22 November 2023)**

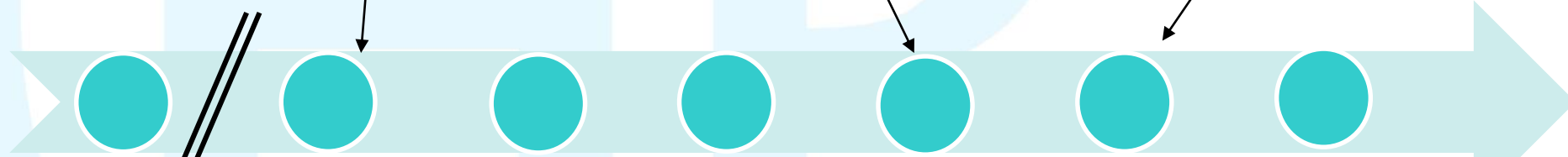
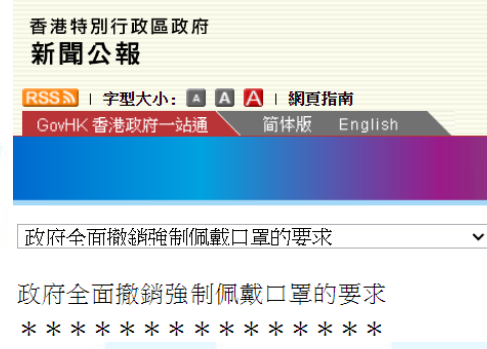


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# Outline

1. Summary of influenza activity in 2022-23 in HK
2. Priority groups for SIV
3. Recommendation on seasonal influenza vaccination for 2023-24
4. Recommendation on pneumococcal vaccination (**Updated on 22 November 2023**)
5. More Information

# 1. Summary of influenza activity in 2022-23 in HK



**Feb 2020**

- Local seasonal influenza activity in Hong Kong has remained at a low level since mid-Feb 2020.

**Dec 2022**

**Jan 2023**

**Feb 2023**

**March 2023**

- Local seasonal activity has started to increase.

**April 2023**

- Exceeded the baseline threshold, indicating the arrival of influenza season in Hong Kong.

**May 2023**

- Returned to baseline level, indicating the end of this influenza season.

# 1. Summary of influenza activity in 2022-23 in HK

- Influenza-like illness outbreak in schools/ institutions

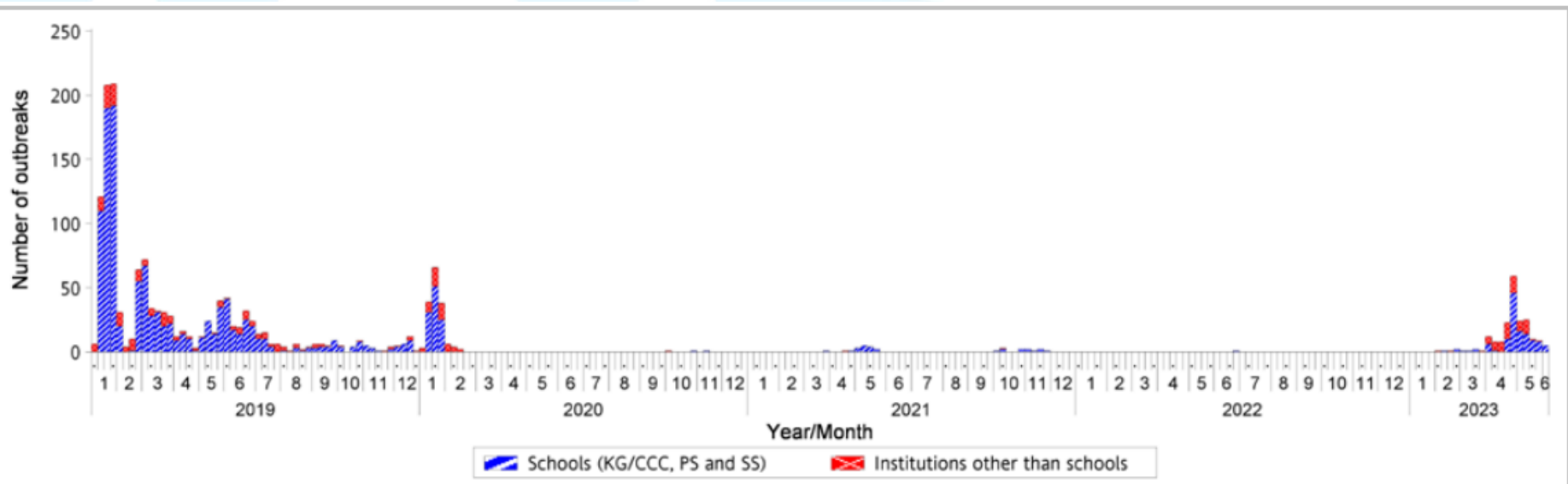


Figure 2.3 ILI outbreaks in schools/institutions, 2019-23

Reference:

**COVID-19 & Flu Express** (<https://www.chp.gov.hk/en/resources/29/100148.html>)

# 1. Summary of influenza activity in 2022-23 in HK

- Influenza-associated hospital admission rates in public hospitals, 2019-23

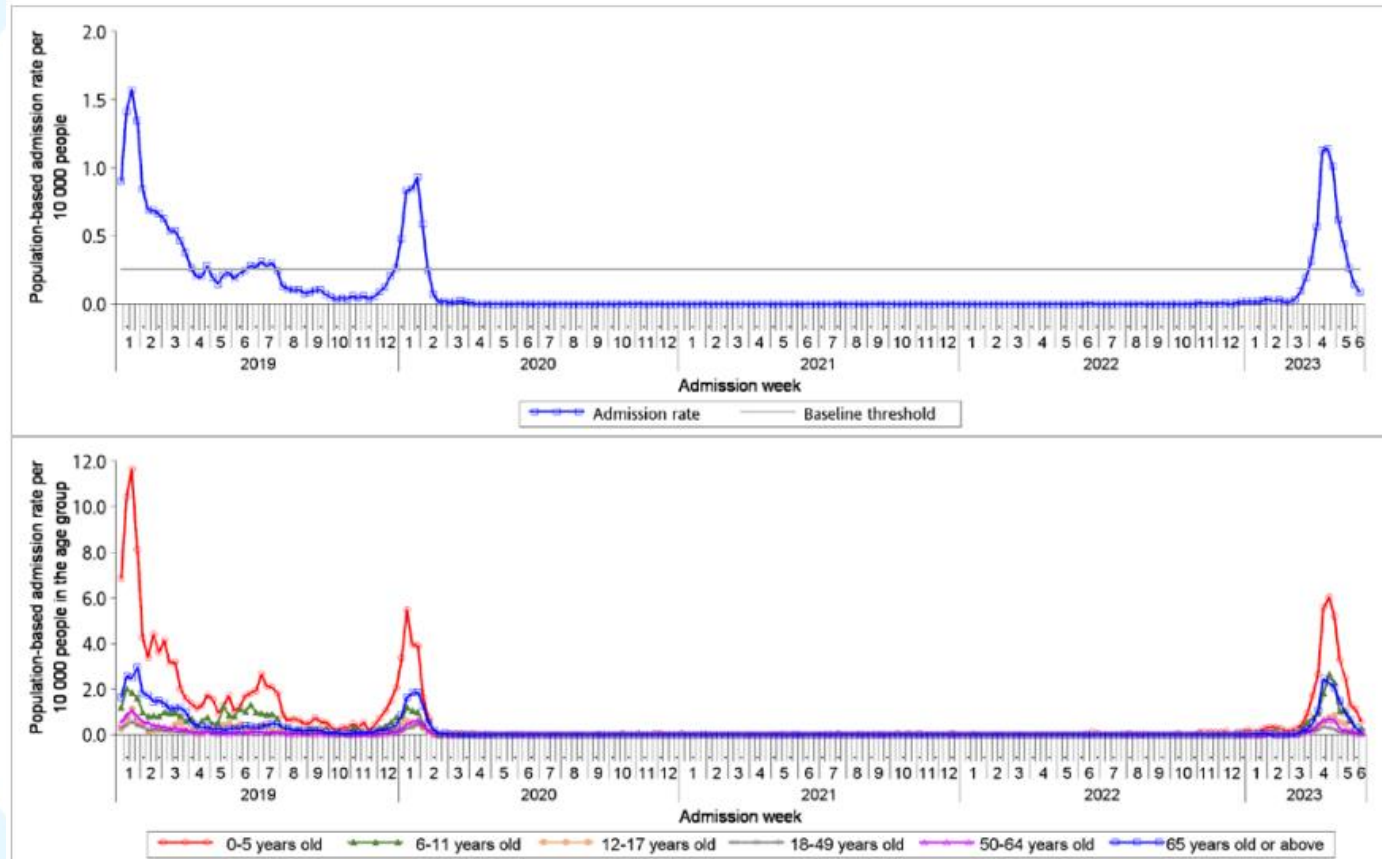


Figure 2.4 Influenza-associated hospital admission rates, 2019-23 (upper: overall rate, lower: rates by age groups)  
[Note: The baseline threshold is 1.96 standard deviation above the average weekly admission rate during non-season periods from 2014 week 49 to 2019 week 48.]

## 2. Priority groups for SIV

In 2023-24, the Scientific Committee on Vaccine Preventable Diseases (SCVPD) recommends the following priority groups for seasonal influenza vaccination :

- 1) Health Care Workers [including care workers in Residential Care Homes for the Elderly (RCHE) or Residential Care Homes for Persons with Disabilities (RCHD) and laboratory personnel handling influenza virus specimens]
- 2) Persons aged 50 years or above
- 3) Pregnant women
- 4) Residents of Residential Care Homes (such as RCHE or RCHD)
- 5) Persons with chronic medical problems
- 6) Children aged six months to under 18 Years
- 7) Poultry Workers
- 8) Pig Farmers and Pig-slaughtering Industry Personnel



[https://www.chp.gov.hk/files/pdf/recommendations\\_on\\_seasonal\\_influenza\\_vaccination\\_for\\_the\\_2023\\_24\\_season\\_in\\_hong\\_kong\\_19apr.pdf](https://www.chp.gov.hk/files/pdf/recommendations_on_seasonal_influenza_vaccination_for_the_2023_24_season_in_hong_kong_19apr.pdf)



### 3. Recommendation on SIV for 2023-24

- **Inactivated influenza vaccine (IIV), live attenuated influenza vaccine (LAIV) and recombinant influenza vaccine (RIV)** are recommended for use in Hong Kong by SCVPD
- Those **vaccine-naïve children aged below 9 years**, two doses of SIV with an interval of at least four weeks are required



### 3. Recommendation on SIV for 2023-24

The recommended composition of the 2023-24 SIV by the SCVPD:

| <b>Egg-based</b> quadrivalent SIV<br>(e.g. IIV, LAIV)  | <b>Recombinant-based</b> quadrivalent SIV<br>(e.g. RIV)  |
|--|--|
| <ul style="list-style-type: none"><li>• A/Victoria/4897/2022 (H1N1)pdm09-like virus</li></ul>            | <ul style="list-style-type: none"><li>• A/Wisconsin/67/2022 (H1N1)pdm09-like virus</li></ul>             |
| <ul style="list-style-type: none"><li>• A/Darwin/9/2021(H3N2) -like virus</li></ul>                      | <ul style="list-style-type: none"><li>• A/Darwin/6/2021(H3N2) -like virus</li></ul>                      |
| <ul style="list-style-type: none"><li>• B/Austria/1359417/2021(B/ Victoria lineage)-like virus</li></ul> | <ul style="list-style-type: none"><li>• B/Austria/1359417/2021(B/ Victoria lineage)-like virus</li></ul> |
| <ul style="list-style-type: none"><li>• B/Phuket/3073/2013(B/ Yamagata lineage)-like virus</li></ul>     | <ul style="list-style-type: none"><li>• B/Phuket/3073/2013(B/ Yamagata lineage)-like virus</li></ul>     |

# 3. Recommendation on SIV for 2023-24

## IIVs

### Indications

- Recommended for people aged 6 months or above, including healthy people and those with chronic medical problems

### Contraindications

- Contraindicated in those with history of **severe allergic reaction** to any vaccine component or a previous dose of any influenza vaccine

### Precautions

- Individuals with **mild egg allergy** who are considering influenza vaccination can be given SIVs in primary care settings
- Individuals with a history of **anaphylaxis to egg** should have SIVs administered by health care professionals in appropriate medical facilities with capacity to recognize and manage severe allergic reactions
- Special precautions should be taken for individuals with **bleeding disorders** or **on anticoagulants**
- If individuals suffer from **fever** on the day of vaccination, the vaccination should be deferred till recovery

# 3. Recommendation on SIV for 2023-24

## LAIV

### Indications

- It can be used for people aged **2 to 49 years** except those who are **pregnant, immunocompromised** or with other contraindications

### Contraindications

- History of **severe allergic reaction** to any vaccine component or after previous dose of any influenza vaccine
- Concomitant **aspirin or salicylate-containing therapy** in children and adolescents
- Children **2 years through 4 years who have asthma** or who have had a history of wheezing in the past 12 month\*\*

*\*\* The UK recommended the use of IIV instead of LAIV for children with increased wheezing and/or needed additional bronchodilator treatment in previous 72 hours. Also, specialist advice should be sought on giving LAIV for children who require regular oral steroid for maintenance of asthma control or who have previously required intensive care for asthmatic attack. Canada recommended that individuals with severe asthma (currently on oral or high-dose inhaled glucocorticosteroids or active wheezing) or those with medically attended wheezing in the 7 days prior to vaccination should not use LAIV.*

# 3. Recommendation on SIV for 2023-24

## LAIV

### Contraindications (cont'd)

- Children\* and adults who are **immunocompromised due to any cause**
- Close contacts and caregivers of severely immunosuppressed persons who require a protected environment
- **Pregnant women**
- Persons with receipt of **influenza antiviral medication** within previous 48 hours

### Precautions

- Individuals with **mild egg allergy** who are considering an influenza vaccination can be given SIVs in primary care settings
- Individuals with a history of **anaphylaxis to egg** should have SIV administered by health care professionals in appropriate medical facilities with capacity to recognize and manage severe allergic reactions

*\*According to Canadian guidelines, intramuscular influenza vaccination is the standard for children living with HIV. LAIV may be considered as an option for children 2-17 years of age with stable HIV infection on highly active antiretroviral therapy (HAART) and adequate immune function, and the decision should be made on a case-by-case basis.*

# 3. Recommendation on SIV for 2023-24

## RIV

- RIV contains haemagglutinin (a surface protein of influenza virus) that is produced by recombinant technology. **RIV contains no egg protein.**
- When available, RIV which may **offer improved protection against influenza illness** in older adults is preferred for **older adults living in residential care homes.**

## Indications

- RIV can be used for people aged **18 years or above**

## Contraindications

- Hypersensitivity to any vaccine component of the RIV.

## Precautions

- Special precautions should be taken for individuals with bleeding disorders or on anticoagulants
- If individuals suffer from fever on the day of vaccination, the vaccination should be deferred till recovery

# 3. Recommendation on SIV for 2023-24

## Injection interval between influenza vaccines and COVID-19 vaccines

- COVID-19 vaccines can be co-administered with SIV on the same visit under informed consent for administrative convenience and achieving better coverage
- The same principle would also apply to similar settings including residential care homes



# 3. Recommendation on SIV for 2023-24

## 流感疫苗知多啲

**滅活流感疫苗、減活流感疫苗和重組流感疫苗都是有效預防流感的疫苗，均獲「疫苗可預防疾病科學委員會」建議在香港使用。**

|   | 滅活流感疫苗   | 減活流感疫苗  | 重組流感疫苗  |
|---|--|---|---|
| <b>適用年齡</b>   | 六個月或以上   | 兩歲至四十九歲   | 十八歲或以上  |
| <b>接種方式</b>   | 肌肉注射 (部分可作皮下注射)  | 噴鼻  | 肌肉注射  |
| <b>疫苗組合</b>   | ● 含已滅活 (被殺死) 流感病毒  | ● 含活化流感病毒   | ● 基因重組技術製造，製作過程中不涉及蛋或流感病毒   |
| <b>接種時間表</b>  | <ul style="list-style-type: none"> <li>● 接種疫苗後身體約需兩星期產生抗體來預防流感病毒</li> <li>● 每年接種一次 (建議在冬季流感季節前)，為冬季及夏季流感季節提供保護</li> <li>● 九歲或以上人士：一劑</li> <li>● 九歲以下的兒童：                             <ul style="list-style-type: none"> <li>○ 如過往曾接種流感疫苗，本季度只須接種一劑</li> <li>○ 首次接種，要接種兩劑，並相隔至少四星期</li> </ul> </li> </ul> |   |   |
| <b>與其他疫苗接種須知*</b>   | <ul style="list-style-type: none"> <li>● 可於同日或相隔任何時間接種</li> <li>● 如同日接種：其他疫苗應於不同部位接種</li> </ul>  | <ul style="list-style-type: none"> <li>● 其他滅活疫苗：相隔至少四星期接種</li> <li>● 其他減活疫苗：沒有限制，可於同日或相隔任何時間接種</li> </ul>   | <ul style="list-style-type: none"> <li>● 可於同日或相隔任何時間接種</li> <li>● 如同日接種：其他疫苗應於不同部位接種</li> </ul>   |
| <b>對雞蛋敏感的人士</b>   | <p>*在知情同意下，2019冠狀病毒病疫苗和流感疫苗可於同一到訪期間接種。</p> <ul style="list-style-type: none"> <li>● 一般情況下能安全接種</li> <li>● 輕度過敏：可於基層醫療場所接種</li> <li>● 嚴重過敏：應由專業醫護人員在能識別及處理嚴重過敏反應的適當醫療場所內接種</li> </ul>   |   |   |
| <b>禁忌症 (不適宜接種的情況)**</b>   | <ul style="list-style-type: none"> <li>● 對任何疫苗成分或接種任何流感疫苗後曾出現嚴重過敏反應</li> <li>● 出血病症患者或服用抗凝血劑的人士，應請教醫生</li> </ul>   | <ul style="list-style-type: none"> <li>● 對任何疫苗成分或接種任何流感疫苗後曾出現嚴重過敏反應</li> <li>● 正服用阿士匹靈或含水楊酸鹽藥物的兒童和青少年</li> <li>● 患有哮喘或在過去12個月內曾患上哮喘的兩歲至四歲兒童</li> <li>● 因任何原因導致免疫功能減弱的人士</li> <li>● 免疫系統嚴重受抑制而需在受保護的環境下接受護理的人士之緊密接觸者和照顧者</li> <li>● 懷孕</li> <li>● 在過去48小時曾服用流感抗病毒藥物</li> </ul> | <ul style="list-style-type: none"> <li>● 對任何重組流感疫苗成分曾出現過敏反應</li> <li>● 出血病症患者或服用抗凝血劑的人士，應請教醫生</li> </ul>  |
| <b>可能出現的副作用***</b>  | <ul style="list-style-type: none"> <li>● 局部反應：                             <ul style="list-style-type: none"> <li>○ 痛楚</li> <li>○ 紅腫</li> </ul> </li> <li>● 其他反應：                             <ul style="list-style-type: none"> <li>○ 發燒</li> <li>○ 疲倦</li> <li>○ 肌肉疼痛</li> </ul> </li> </ul>           | <ul style="list-style-type: none"> <li>● 鼻塞或流鼻涕</li> <li>● 發燒</li> <li>● 喉嚨痛</li> <li>● 增加喘鳴的風險 (五歲以下的兒童患上反覆喘鳴或任何年齡的哮喘患者)</li> </ul>  | <ul style="list-style-type: none"> <li>● 局部反應：                             <ul style="list-style-type: none"> <li>○ 痛楚</li> <li>○ 壓痛</li> </ul> </li> <li>● 其他反應：                             <ul style="list-style-type: none"> <li>○ 頭痛</li> <li>○ 疲倦</li> <li>○ 肌肉疼痛</li> <li>○ 關節痛</li> </ul> </li> </ul> |
| <p>***一般而言，流感疫苗的副作用輕微而且是暫時的。若接種疫苗後出現持續發燒、嚴重過敏反應 (例如呼吸困難、口舌腫脹、風疹塊等) 或其它不良情況，請立刻諮詢醫生。</p> |  |   |   |

以上資訊只供參考。有意接種流感疫苗的人士，請向家庭醫生查詢。




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  [www.chp.gov.hk](http://www.chp.gov.hk)


[https://www.chp.gov.hk/files/pdf/seasonal\\_influenza\\_vaccination\\_pamphlet\\_tc.pdf](https://www.chp.gov.hk/files/pdf/seasonal_influenza_vaccination_pamphlet_tc.pdf)



## 4. Recommendation on pneumococcal vaccination

- The Scientific Committee on Vaccine Preventable Diseases (SCVPD) has updated the latest recommendations on the use of 15-valent pneumococcal conjugate vaccine (PCV15) and 20-valent pneumococcal conjugate vaccine (PCV20) in Hong Kong on 27 September 2023.
- The updated recommendations by the SCVPD and the relevant press release are available on the following website:
  - Recommendations on the use of PCV15 and PCV20 in Hong Kong (As of 27 September 2023):  
[https://www.chp.gov.hk/files/pdf/recommendations\\_on\\_the\\_use\\_of\\_15valent\\_pneumococcal\\_conjugate\\_vaccine\\_and\\_20valent\\_pneumococcal\\_conjugate\\_vaccine\\_in\\_hong\\_kong\\_27sep.pdf](https://www.chp.gov.hk/files/pdf/recommendations_on_the_use_of_15valent_pneumococcal_conjugate_vaccine_and_20valent_pneumococcal_conjugate_vaccine_in_hong_kong_27sep.pdf)
  - Press release:  
<https://www.info.gov.hk/gia/general/202309/27/P2023092700607.htm>

## 4. Recommendation on pneumococcal vaccination

The following updated recommendations are highlighted for information:

1. Taking into consideration the local epidemiology and available scientific evidence, the SCVPD recommended to **replace PCV13 with PCV15 under both the Hong Kong Childhood Immunisation Programme (HKCIP) and the Government Pneumococcal Vaccination Programme.**
2. **Related immunisation schedules in children and high-risk individuals would remain unchanged. PCV15 can be used as a direct replacement for PCV13 at any point during the course of immunisation.**
3. **For PCV20, individuals may choose to receive the vaccine to protect themselves against invasive pneumococcal disease following manufacturer's recommendation and upon discussion with healthcare professionals.**

## 4. Recommendation on pneumococcal vaccination

|   | Age 65 years and above   |
|---|--|
| Without high risk conditions <sup>^</sup>   | Either a single dose of <b>PCV15</b> / PCV13 or a single dose of 23vPPV**    |
| Individuals <b>with</b> high risk conditions <sup>^</sup> who have not received any pneumococcal vaccines | One dose of <b>PCV15</b> / PCV13 followed by one dose of 23vPPV 1 year later |
| Individuals <b>with</b> high risk conditions <sup>^</sup> who have received 23vPPV                        | Single dose of <b>PCV15</b> / PCV13 1 year after previous 23vPPV vaccination |
| Individuals <b>with</b> high risk conditions <sup>^</sup> who have received <b>PCV15</b> / PCV13          | Single dose of 23vPPV 1 year after previous <b>PCV15</b> / PCV13 vaccination |

\*\*For persons without high risk conditions, PCV15 / PCV13 is not subsidised under Vaccination Subsidy Scheme.

# 4. Recommendation on pneumococcal vaccination

## **^High risk conditions include the following:**

- (a) History of invasive pneumococcal disease
- (b) Immunocompromised states:
  - Asplenia, HIV/AIDS, primary immunodeficiency
  - Immunodeficiencies related to malignancy and transplantation
  - Immunodeficiencies related to use of immunosuppressive drugs / systemic steroid
- (c) Chronic disease:
  - Chronic cardiac, pulmonary, liver or renal disease
  - Diabetes mellitus or Cerebrospinal fluid leakage
- (d) With cochlear implants

(Essential hypertension per se is not considered as a high risk condition)

Different factors such as age and clinical condition may affect the risk of pneumococcal disease. Patients with high-risk conditions should discuss with their attending doctors on the most appropriate vaccination regimen.

## 4. Recommendation on pneumococcal vaccination

Under the Government Vaccination Programme and Vaccination Subsidy Scheme, aside from the above list of high-risk conditions, elderly 65 years or above with chronic metabolic diseases, obesity (BMI 30 or above), chronic neurological conditions or those with financial difficulties are eligible for free/subsidised pneumococcal vaccination.

## 5. More Information

- CHP website  
<https://www.chp.gov.hk/en/features/17980.html>
- Recommendations on Seasonal Influenza Vaccination for the 2023-24 Season in Hong Kong (April 2023) of the Scientific Committee on Vaccine Preventable Diseases  
[https://www.chp.gov.hk/files/pdf/recommendations\\_on\\_seasonal\\_influenza\\_vaccination\\_for\\_the\\_2023\\_24\\_season\\_in\\_hong\\_kong\\_19apr.pdf](https://www.chp.gov.hk/files/pdf/recommendations_on_seasonal_influenza_vaccination_for_the_2023_24_season_in_hong_kong_19apr.pdf)
- Updated Recommendations on the Use of Pneumococcal Vaccines for High-risk Individuals (July 2016) of the Scientific Committee on Vaccine Preventable Diseases  
[http://www.chp.gov.hk/files/pdf/updated\\_recommendations\\_on\\_the\\_use\\_of\\_pneumococcal\\_vaccines\\_amended\\_120116\\_clean\\_2.pdf](http://www.chp.gov.hk/files/pdf/updated_recommendations_on_the_use_of_pneumococcal_vaccines_amended_120116_clean_2.pdf)
- Recommendations on the use of 15-valent Pneumococcal Conjugate Vaccine (PCV15) and 20-valent Pneumococcal Conjugate Vaccine (PCV20) in Hong Kong (As of 27 September 2023)  
[https://www.chp.gov.hk/files/pdf/recommendations\\_on\\_the\\_use\\_of\\_15valent\\_pneumococcal\\_conjugate\\_vaccine\\_and\\_20valent\\_pneumococcal\\_conjugate\\_vaccine\\_in\\_hong\\_kong\\_27sep.pdf](https://www.chp.gov.hk/files/pdf/recommendations_on_the_use_of_15valent_pneumococcal_conjugate_vaccine_and_20valent_pneumococcal_conjugate_vaccine_in_hong_kong_27sep.pdf)
- Hong Kong Reference Framework for Preventive Care for Children in Primary Care Settings – Module on Immunisation  
[https://www.healthbureau.gov.hk/pho/rfs/english/reference\\_framework/pre\\_care\\_for\\_child.html](https://www.healthbureau.gov.hk/pho/rfs/english/reference_framework/pre_care_for_child.html)

## 5. More Information

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網站 : <https://www.chp.gov.hk/en/features/17980.html>  
Website



**Thank You**