

## Summary of status of development and availability of variant<sup>1</sup> influenza A(H1N1) candidate vaccine viruses\*

\* Antigenic and genetic analyses are performed by the WHO Collaborating Centres of the Global Influenza Surveillance and Response System (GISRS). Unless otherwise indicated all candidate vaccine viruses posted on this table have passed two-way haemagglutination inhibition (HI) test.

[National or Regional control authorities approve the composition and formulation of vaccines used in each country](#)

**29 September 2016**

### Candidate vaccine viruses

Parent virus	Candidate vaccine virus	Type of virus or reassortant	Developing institute	Available from
A/Ohio/9/2015	IDCDC-RG48A	Reverse genetics	CDC, USA	CDC, USA
A/Hunan/42443/2015	CNIC-1601	Conventional reassortant	CCDC, China	CCDC, China

### Candidate vaccine viruses in preparation

Parent virus	Type of virus or reassortant	Developing institute
A/Hunan/42443/2015-like	Conventional reassortant	NIBSC, UK

### Institutes contact details for candidate vaccine viruses orders/information:

CDC: [dwentworth@cdc.gov](mailto:dwentworth@cdc.gov) (Subject: CVV request)

CCDC: [whocc-china@cnic.org.cn](mailto:whocc-china@cnic.org.cn)

NIBSC: [standards@nibsc.org](mailto:standards@nibsc.org) or [enquiries@nibsc.org](mailto:enquiries@nibsc.org)

For other candidate vaccine viruses and potency testing reagents, please go to  
<http://www.who.int/influenza/vaccines/virus/en/>

For general enquiries, please contact [gisrs-whohq@who.int](mailto:gisrs-whohq@who.int)

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<sup>1</sup> Joint FAO, OIE, WHO announcement of the standardization of influenza virus variants infecting humans: [http://www.who.int/influenza/gisrs\\_laboratory/terminology\\_variant/en/](http://www.who.int/influenza/gisrs_laboratory/terminology_variant/en/)