Canada Health Infoway

Public Health Surveillance (PHS) Community

Agenda (New COVID-19 Coming Vaccines)

September 12, 2024, 2:30–3:00 pm ET

PHS Community Agenda

1. Welcome (2 min)
2. New Covid-19 vaccines (Nicolas Gilbert & Naureen Mukhi) (25 min)
3. Final decision (3 min)

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2. New Covid-19 vaccines (10 min)

Naureen Mukhi, Provincial Public Health Information System – PHSA

Nicolas Gilbert, Public Health Agency Canada - PHAC

New Covid-19 Vaccines

- Pfizer BioNTech Comirnaty 30 mcg/ 0.3 mL (DIN: 02541823)
- Pfizer BioNTech Comirnaty 10 mcg/ 0.3 mL (DIN: 02541858) – not procured by Canada in Fall 2024
- Pfizer BioNTech Comirnaty 3 mcg/ 0.2 mL (DIN: 02541866) – not procured by Canada in Fall2024
- Moderna Spikevax (DIN: 02541270)
- Novavax Nuvaxovid (DIN: 02543656)

Background Information

1. New formulation of COVID-19 vaccines are soon to be Marketed in Canada
2. These would have same DIN and SNOMED CT codes than existing SNOMED CT CA codes
3. The proposal is to use the same SNOMED CT CA concepts, codes and DIN for the concepts created as XBB1.5 vaccines (list below):

ConceptId	Type	Term
51471000087104	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 30 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
51471000087104	Synonym	COVID-19 COMIRNATY Omicron XBB.1.5 30 mcg/0.3mL mRNA PB
51481000087102	FSN	SPIKEVAX XBB.1.5 messenger ribonucleic acid 0.10 milligrams per 1 milliliter dispersion for injection Moderna Biopharma Canada Corporation (real clinical drug)
51481000087102	Synonym	COVID-19 SPIKEVAX XBB.1.5 0.10 mg/mL mRNA Mod
51491000087100	FSN	NUVAXOVID Omicron XBB.1.5 recombinant spike protein 5 micrograms per 0.5 milliliter suspension for injection Novavax Inc. (real clinical drug)
51491000087100	Synonym	COVID-19 NUVAXOVID Omicron XBB.1.5 Nova
51501000087108	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 10 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
51501000087108	Synonym	COVID-19 COMIRNATY Omicron XBB.1.5 pediatric 10 mcg/0.3 mL mRNA PB
51511000087105	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 3 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
51511000087105	Synonym	COVID-19 COMIRNATY Omicron XBB.1.5 pediatric 3 mcg/0.2 mL mRNA PB
51621000087101	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 10 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
51621000087101	Synonym	COVID-19 COMIRNATY Omicron XBB.1.5 pediatric 10 mcg/0.2 mL mRNA PB

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Removing the XBB1.5

ConceptId	Type	PROPOSED CHANGE #1
51471000087104	FSN	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 30 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
51471000087104	Synonym	COVID-19 COMIRNATY ~~Omicron XBB.1.5~~ 30 mcg/0.3mL mRNA PB
51481000087102	FSN	SPIKEVAX ~~XBB.1.5~~ messenger ribonucleic acid 0.10 milligrams per 1 milliliter dispersion for injection Moderna Biopharma Canada Corporation (real clinical drug)
51481000087102	Synonym	COVID-19 SPIKEVAX ~~XBB.1.5~~ 0.10 mg/mL mRNA Mod
51491000087100	FSN	NUVAXOVID ~~Omicron XBB.1.5~~ recombinant spike protein 5 micrograms per 0.5 milliliter suspension for injection Novavax Inc. (real clinical drug)
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51501000087108	FSN	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 10 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
51501000087108	Synonym	COVID-19 COMIRNATY ~~Omicron XBB.1.5~~ pediatric 10 mcg/0.3 mL mRNA PB
51511000087105	FSN	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 3 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
51511000087105	Synonym	COVID-19 COMIRNATY ~~Omicron XBB.1.5~~ pediatric 3 mcg/0.2 mL mRNA PB
51621000087101	FSN	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 10 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)
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What We Need To Achieve

1. Assess the impact (please fill, if you have any feedback to provide)
    1. Pros:
    2. Cons:

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Comments From PHSC

1. Infoway comments:
    1. Pros: Currently the targeted concepts are not all defined with the ingredients, so only the terms would need to be changed
    2. Cons:
        1. If the technology changes, the definition of the concepts will change, therefore they should be inactivated and replaced by new concepts
        2. The technology refer to the technique used to develop the vaccine: messenger ribonucleic acid (mRNA), non-replicant vector, recombinant spike protein, whole inactivated virus. If the new coming vaccines are of a different type than the current XBB, it will not be possible to modify the codes, new ones will need to be created.
        3. If we ‘whip-out’ the XBB.1.5 info on the existing concepts, and the concept keep their same DIN, it will not be possible to ensure a traceability in history capture

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Review The Options

ConceptId	Type	EXISTING Term	PROPOSED CHANGE #1	PROPOSED CHANGE #2
51471000087104	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 30 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 30 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	New concept: New code and new FSN
51471000087104	Synonym	COVID-19 COMIRNATY Omicron XBB.1.5 30 mcg/0.3mL mRNA PB	COVID-19 COMIRNATY ~~Omicron XBB.1.5~~ 30 mcg/0.3mL mRNA PB	New concept PT
51481000087102	FSN	SPIKEVAX XBB.1.5 messenger ribonucleic acid 0.10 milligrams per 1 milliliter dispersion for injection Moderna Biopharma Canada Corporation (real clinical drug)	SPIKEVAX ~~XBB.1.5~~ messenger ribonucleic acid 0.10 milligrams per 1 milliliter dispersion for injection Moderna Biopharma Canada Corporation (real clinical drug)	New concept: New code and new FSN
51481000087102	Synonym	COVID-19 SPIKEVAX XBB.1.5 0.10 mg/mL mRNA Mod	COVID-19 SPIKEVAX ~~XBB.1.5~~ 0.10 mg/mL mRNA Mod	New concept PT
51491000087100	FSN	NUVAXOVID Omicron XBB.1.5 recombinant spike protein 5 micrograms per 0.5 milliliter suspension for injection Novavax Inc. (real clinical drug)	NUVAXOVID ~~Omicron XBB.1.5~~ recombinant spike protein 5 micrograms per 0.5 milliliter suspension for injection Novavax Inc. (real clinical drug)	New concept: New code and new FSN
51491000087100	Synonym	COVID-19 NUVAXOVID Omicron XBB.1.5 Nova	COVID-19 NUVAXOVID ~~Omicron XBB.1.5~~ Nova	New concept PT
51501000087108	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 10 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 10 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	New concept: New code and new FSN
51501000087108	Synonym	COVID-19 COMIRNATY Omicron XBB.1.5 pediatric 10 mcg/0.3 mL mRNA PB	COVID-19 COMIRNATY ~~Omicron XBB.1.5~~ pediatric 10 mcg/0.3 mL mRNA PB	New concept PT
51511000087105	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 3 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 3 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	New concept: New code and new FSN
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51621000087101	FSN	COMIRNATY Omicron XBB.1.5 messenger ribonucleic acid 10 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	COMIRNATY ~~Omicron XBB.1.5~~ messenger ribonucleic acid 10 micrograms per 0.2 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug)	New concept: New code and new FSN
51621000087101	Synonym	COVID-19 COMIRNATY Omicron XBB.1.5 pediatric 10 mcg/0.2 mL mRNA PB	COVID-19 COMIRNATY ~~Omicron XBB.1.5~~ pediatric 10 mcg/0.2 mL mRNA PB	New concept PT

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Confirm The Final Decision

1. Proposed change #1
2. Proposed change #2
3. Other proposed option(s)

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Thank you!

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