


Injection device planning for the 2020-2021 flu season

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BD has a long and successful history in vaccine delivery


- BD vaccine delivery technologies have played a significant role in enabling successful global immunization campaigns
- For more than 60 years, BD has played an important role developing, industrializing and commercializing delivery devices to meet the unique needs of vaccines worldwide
 - Salk Polio Trials and Polio Eradication Campaign
 - BD developed first disposable syringes for mass delivery of the Salk polio vaccine
 - Global Smallpox Eradication Campaign
 - American Red Cross Measles Campaign
 - Maternal Neonatal Tetanus
 - Meningitis Mass Vaccination Campaigns in sub-Saharan Africa




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U.S. annual flu immunization campaign

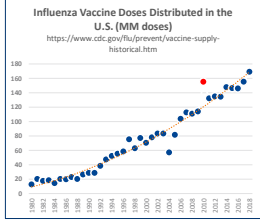
- BD's portfolio of safety injection needles and syringes have been an integral part of the U.S. flu vaccination campaign
- Our safety injection solutions protect healthcare workers from needlestick injuries and exposure to bloodborne pathogens
- For the U.S. market, these devices are manufactured in our three North American facilities



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Anticipating higher demand for 2020-2021 flu season

Influenza Vaccine Doses Distributed in the U.S. (MM doses)
<https://www.cdc.gov/flu/prevent/vaccine-supply-historical.htm>



- U.S. flu vaccine dose distribution has **steadily increased over the years**
- Post H1N1 pandemic, 2009-2010 flu season saw a **36% spike in flu distribution** and had a higher estimated vaccination levels
- Similar to 2009-2010 flu season, BD is anticipating **higher flu vaccine demand** for the upcoming season
- In preparation, BD has built a **strong inventory position of needles and syringes**
- BD's global manufacturing footprint and supply chain network, as well investments to increase capacity, will **enable BD's supply capability**

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Preparing and partnering for a global COVID-19 vaccination campaign

- There is a need to prepare for a COVID-19 vaccination in parallel to heightened flu immunization efforts, and the **time to act is now!**
- Public-private partnership is crucial** to ensure readiness for COVID-19 immunization campaigns
- BD has **ramped up production** of injection devices for mass vaccination efforts for COVID-19 vaccination, not to interfere with normal supply
- We are working closely with governments around the world to emphasize the need to **prepare in advance** of when the vaccine is ready to ensure capacity
- BD is prepared to provide **maximum support for a national vaccination campaign** in collaboration with government agencies, vaccine manufacturers and distribution partners




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Thank you!

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