



News Release

Takeda, Moderna and the Japanese Government Collaborate to Increase Moderna's COVID-19 Vaccine Supply in Japan in 2022

OSAKA, Japan, December 24, 2021 -- Takeda Pharmaceutical Company Limited (TSE:4502/NYSE:TAK) announced a third agreement with the Government of Japan's Ministry of Health, Labour and Welfare (MHLW) and Moderna to import and distribute 18 million additional doses of Spikevax™ Intramuscular Injection, Moderna's mRNA COVID-19 vaccine, in Japan in 2022.

Takeda previously [announced](#) a three-way agreement with Moderna and MHLW to distribute 50 million doses of Moderna's COVID-19 Vaccine in Japan in 2021, and [announced](#) a second agreement for Takeda to import and distribute an additional 50 million doses in 2022, totaling 100 million doses between the two agreements.

Takeda also recently [announced](#) that the MHLW has granted regulatory approval for a 50 microgram booster dose of Spikevax™ Intramuscular Injection in Japan for administration at least six months after completion of the primary series in those who are 18 years and older.

Due to the approval of the 50 microgram booster dose, which is half of the dosage level used in the initial two-dose series of the vaccine (100 microgram per dose), the doses per vial for the second 50 million doses will increase, meaning Takeda will be able to deliver 75 million booster doses (at 15 doses per vial). With this third agreement for 18 million doses (at 15 doses per vial), Takeda will now deliver a total of 93 million doses to Japan in 2022.

Takeda is proud to continue delivering safe and effective vaccines in the fight against the COVID-19 pandemic for the people of Japan. The impact of this additional agreement on Takeda's forecast for the fiscal year ending March 31, 2022 (FY2021) will depend on the exact timing of distribution. Takeda will update its FY2021 forecast at the appropriate timing, as necessary, also taking other factors into consideration.

About Takeda's COVID-19 Efforts

Takeda is taking a comprehensive approach to treat and prevent COVID-19 today, and future pandemics through multiple activities and partnerships including, but not limited to:

- **Vaccines:** Takeda has partnered with the Government of Japan, [Novavax](#) and [Moderna](#), to help accelerate the availability of COVID-19 vaccines. Through the collaboration with Novavax, Takeda will build on its well-established global manufacturing and supply capabilities and be responsible for developing and commercializing Novavax' vaccine

candidate in Japan. The company is also importing and distributing Moderna's COVID-19 vaccine as part of a three-way partnership with Moderna and the Government of Japan's Ministry of Health Labour and Welfare. Takeda also entered into an agreement with IDT Biologika GmbH (IDT) to utilize capacity for three months at IDT previously reserved for Takeda's dengue vaccine candidate, to manufacture the single-shot COVID-19 vaccine developed by Janssen, the Pharmaceutical Companies of Johnson & Johnson. The three-month period is now complete. Takeda supports our partners and alliances in a shared goal to rapidly discover, develop and deliver effective treatments and vaccines for COVID-19 and ensure preparedness for future pandemics.

- **Hyperimmune globulin:** Takeda co-founded the CoVlg-19 Plasma Alliance and joined forces with other leading plasma companies to evaluate a hyperimmune globulin medicine in a global clinical trial. While the data did not meet its endpoints, the program has contributed to the scientific understanding of antibody-based treatment to address the virus and highlighted the broader therapeutic value and importance of plasma to treat rare diseases.
- **Additional therapeutics:** The company has assessed existing Takeda products for activity against the COVID-19 virus and co-founded the [COVID R&D Alliance](#). In addition, Takeda has joined the Innovative Medicines Initiative (IMI) CARE consortium, the [Accelerating COVID-19 Therapeutic Interventions and Vaccines \(ACTIV\) partnership](#) and the COVID RED project.

Takeda's Commitment to Vaccines

Vaccines prevent 2 to 3 million deaths each year and have transformed global public health. For more than 70 years, Takeda has supplied vaccines to protect the health of people in Japan. Today, Takeda's global vaccine business is applying innovation to tackle some of the world's most challenging infectious diseases, such as dengue, COVID-19, pandemic influenza and Zika. Takeda's team brings an outstanding track record and a wealth of knowledge in vaccine development and manufacturing to advance a pipeline of vaccines to address some of the world's most pressing public health needs. For more information, visit www.TakedaVaccines.com.

About Takeda Pharmaceutical Company Limited

Takeda Pharmaceutical Company Limited ([TSE:4502/NYSE:TAK](#)) is a global, values-based, R&D-driven biopharmaceutical leader headquartered in Japan, committed to discover and deliver life-transforming treatments, guided by our commitment to patients, our people and the planet. Takeda focuses its R&D efforts on four therapeutic areas: Oncology, Rare Genetics and Hematology, Neuroscience and Gastroenterology (GI). We also make targeted R&D investments in Plasma-Derived Therapies and Vaccines. We are focusing on developing highly innovative medicines that contribute to making a difference in people's lives by advancing the frontier of new treatment options and leveraging our enhanced collaborative R&D engine and capabilities to create a robust, modality-diverse pipeline. Our employees are committed to improving quality of life for patients and to working with our partners in health care in approximately 80 countries and regions. For more information, visit <https://www.takeda.com>.

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The companies in which Takeda directly and indirectly owns investments are separate entities. In this press release, “Takeda” is sometimes used for convenience where references are made to Takeda and its subsidiaries in general. Likewise, the words “we”, “us” and “our” are also used to refer to subsidiaries in general or to those who work for them. These expressions are also used where no useful purpose is served by identifying the particular company or companies.

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