

Vaccine Provider's Name: \_\_\_\_\_

## **mRNA Bivalent COVID-19 Vaccines EXAMPLE Competency Exam**

Refer to EUAs for [Pfizer](#) & [Moderna](#), and the [CDC Interim Clinical Considerations](#) and the [Interim COVID-19 Immunization Schedule](#) to answer the following questions:

1. **Bivalent COVID-19 vaccines are recommended for individuals  $\geq 6$  years of age:**
  - a. Who have had any number of monovalent mRNA vaccine(s)
  - b. That have never received a COVID-19 vaccine
  - c. All of the above are correct
2. **Immunocompetent people ages  $\geq 6$  months of age that have never been vaccinated with a COVID-19 vaccine should receive how many doses of an age-appropriate mRNA bivalent vaccine to be considered up-to-date?**
  - a. Total of 2 doses Moderna or 3 doses of Pfizer for ages 6 months–4 years
  - b. Total of 2 doses of Moderna or 1 dose of Pfizer for age 5 years
  - c. Total of 1 dose of Moderna or Pfizer for ages  $\geq 6$  years (or up to 2 doses for ages  $\geq 65$  years)
  - d. All of the above are correct
3. **TRUE/FALSE** – Monovalent mRNA vaccines can be administered in certain situations.
4. **TRUE/FALSE** – People ages  $\geq 65$  years can opt for a second bivalent mRNA vaccine  $\geq 4$  months after an initial bivalent mRNA vaccine
5. **TRUE/FALSE** – Bivalent boosters target a common element of the BA.4 and BA.5 Omicron subvariants, but not the original strain of SARS-CoV-2
6. **TRUE/FALSE** – People with immunocompromise can receive an additional bivalent mRNA vaccine dose at least 2 months after a previous COVID-19 vaccine dose and may receive further additional doses at the discretion of the healthcare provider based on individual clinical circumstances.
7. **TRUE/FALSE** – Most immunocompetent people ages  $\geq 6$  years that have received 1 dose of bivalent mRNA vaccine do NOT need any further doses at this time.

### **Moderna Related COVID-19 Vaccine Questions:**

8. **The bivalent Moderna (dark pink cap/yellow label border) COVID-19 vaccine is authorized for which group?**
  - a. 6 months – 5 years previously unvaccinated with any COVID-19 vaccine
  - b. 6 months – 5 years previously vaccinated with one dose of monovalent Moderna vaccine
  - c. 6 months – 5 years previously vaccinated with two doses of monovalent Moderna vaccine
  - d. All of the above are correct
9. **The correct dose of bivalent Moderna COVID-19 vaccine (dark pink cap/yellow label border) is:**
  - a. 0.2 mL
  - b. 0.25 mL
  - c. 0.3 mL
  - d. 0.5 mL
10. **The bivalent Moderna (dark blue cap/gray label border) COVID-19 vaccine is authorized for which age groups?**
  - a. 6 months – 5 years
  - b.  $\geq 6$  years
  - c.  $\geq 12$  years only
  - d. Both (a) and (b) are correct
11. **The correct dose of bivalent Moderna COVID-19 vaccine (dark blue cap/gray label border) for ages 6 mos-11yrs is:**
  - a. 0.2 mL
  - b. 0.25 mL
  - c. 0.3 mL
  - d. 0.5 mL
12. **The correct dose of bivalent Moderna COVID-19 vaccine (dark blue cap/gray label border) for ages  $\geq 12$  years is:**
  - a. 0.2 mL
  - b. 0.25 mL
  - c. 0.3 mL
  - d. 0.5 mL
13. **The Moderna bivalent products can be stored in:**
  - a. Ultra-cold storage unit at  $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$  for up to the expiration date per the [expiry tool](#)
  - b. Freezer at  $-50^{\circ}\text{C}$  to  $-15^{\circ}\text{C}$  for up to the expiration date per the [expiry tool](#)
  - c. Refrigerator at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$  for up to 30 days
  - d. Only (b) and (c) are correct
14. **TRUE/FALSE** – Moderna bivalent vials have differing stability after puncture. The dark pink cap/yellow label border should be discarded 8 hours after first puncture, whereas the dark blue cap/gray label border should be discarded 12 hours after first puncture.

**Pfizer COVID-19 Vaccine Questions:**

15. The bivalent **Pfizer** (gray cap/gray label border) COVID-19 vaccine product is authorized for which age groups?  
a. 6 months-4 years    b.  $\geq 5$  years    c.  $\geq 12$  years    d.  $\geq 18$  years only
16. What is the correct dose to administer of bivalent **Pfizer** COVID-19 vaccine (gray cap/gray label border)?  
a. 0.2 mL    b. 0.25 mL    c. 0.3 mL    d. 0.5 mL
17. The bivalent **Pfizer** (orange cap/orange label border) COVID-19 vaccine product is authorized for ages:  
a. 6 months - 4 years    b. 5-11 years    c.  $\geq 12$  years    d.  $\geq 18$  years only
18. What is the correct dose to administer of bivalent **Pfizer** COVID-19 vaccine (orange cap/orange label border)?  
a. 0.2 mL    b. 0.25 mL    c. 0.3 mL    d. 0.5 mL
19. The bivalent **Pfizer** (maroon cap/maroon label border) COVID-19 vaccine product is authorized for ages:  
a. 6 months-4 years    b. 5-11 years    c.  $\geq 12$  years    d.  $\geq 18$  years only
20. What is the correct dose to administer of bivalent **Pfizer** COVID-19 vaccine (maroon cap/maroon label border)?  
a. 0.2 mL    b. 0.25 mL    c. 0.3 mL    d. 0.5 mL
21. The following bivalent COVID-19 vaccine(s) require dilution with sterile 0.9% Sodium Chloride Injection, USP before administration:  
a. Bivalent Pfizer COVID-19 vaccine (gray cap/gray label border)  
b. Bivalent Pfizer COVID-19 vaccine (orange cap/orange label border)  
c. Bivalent Pfizer COVID-19 vaccine (maroon cap/maroon label border)  
d. All of the above are correct  
e. Only (b) and (c) are correct
22. The **Pfizer** bivalent products can be stored in:  
a. Ultra-cold storage unit at  $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$  for up to expiration date per the [expiry tool](#)  
b. Freezer at  $-25^{\circ}\text{C}$  to  $-15^{\circ}\text{C}$  for up to expiration date per the [expiry tool](#)  
c. Refrigerator at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$  for up to 10 weeks  
d. Only (a) and (c) are correct  
e. All of the above are correct
23. TRUE/FALSE – All Pfizer bivalent vials should be discarded 12 hours after first puncture.

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Vaccine Provider's Printed Name

Signature

Date