

## **COVID Vaccines and Breakthrough Cases – interview transcripts**

*Why vaccine breakthrough cases happen, and why they are expected*

**\*\*\*SOT\*\*\***

**Dr. Douglas Kasper, OSF HealthCare Infections Disease Physician**

“What’s important to go over in that topic is that a sufficient amount of time has passed from when they received the vaccine. So if somebody receives the vaccine on a Monday and contracts COVID the following day, that does not count as a vaccine breakthrough. There has not been sufficient time for the body to create the protective immune response that we know will occur as usually two to four weeks pass after vaccine.”

**\*\*\*SOT\*\*\***

**Dr. Douglas Kasper, OSF HealthCare Infections Disease Physician**

“Any immune response is not uniform. How all of us interact with a virus will be different. So because of that, vaccines or natural immunity are not 100% protective. We strive for 100%, but what we understand is that some number of people, even when they receive the vaccine, may become ill with the virus. What we know is that people who receive the vaccine, even if they become ill, tend to become more mild cases of disease than those who have not received the vaccine.”

**\*\*\*SOT\*\*\***

**Dr. Douglas Kasper, OSF HealthCare Infections Disease Physician**

“The take-home remains: vaccine effectiveness remains well above 90% in real world reporting about adverse effects, which allows us to continually safely deliver vaccine products to those within our community.”