

Is the Metaverse the New Frontier for Healthcare?



Elements of the metaverse are starting to be used in both medical training and procedures. As technology advances, the metaverse has the potential to make significant advances in the field of medicine.

Current Metaverse Technologies in Use

Currently, the healthcare industry is utilizing some of the essential components that will ultimately comprise the metaverse, namely, virtual reality (VR), augmented reality (AR), mixed reality (MR), and artificial intelligence. As these technologies are built out, the medical industry will likely make greater use of them.

Virtual Training

AR and VR are being used extensively in medical training. Examples include:

- The World Health Organization is using AR to train COVID responders, including a training course on the proper techniques and sequences to put on and remove personal protective equipment.
- Medical schools are using AR and VR to train students to perform a wide range of surgical procedures.
- AR and VR allow for a 360-degree view of ailments, as well as the replication of real-life procedures.

AR and VR technologies may be used to create real-life situations, allowing students to perform virtual procedures without the risk of making mistakes on human subjects. It may allow the assemblance of students from far-flung locations to train in one virtual classroom.

Real-Life Procedures

AR and VR systems are being used for activities that support diagnoses and pre-surgical preparation and training. For example, using X-rays, MRIs, and CT scans can create an immersive virtual environment that allows a surgical team to devise the procedure before making the first incision and rehearse the surgery beforehand.

AR and VR technology is also being used to assist in surgical procedures. Such technology was used in June 2020 when surgeons at Johns Hopkins used AR in a procedure that inserted six screws in a patient's spine during a spinal fusion surgery. The surgeons used an AR headset with a see-through eye display that projected images of the patient's internal anatomy. The surgeon described it as "having a GPS navigator in front of your eyes in a natural way, so you don't have to look at a separate screen to see your patient's CT scans."

Medical Facility Design

AR and VR technology has been used when designing operating rooms. The technology allows visualization of all the people, equipment, and surgical setups for various procedures. This virtual process will allow for optimal design without the need of workers being physically present in the operating room.

Moving Forward

Metaverse technology will likely continue to improve. As such, the potential for its use in the medical field will also likely progress.

\$MTVR: The Fount Metaverse ETF

Bong-Geun Choi, Fount Investment's Chief Economist, said, "Although metaverse technologies are not completely built out, its elements are proving to be undoubtedly advantageous in the medical field. We expect metaverse technologies to advance medical training and procedures and improve overall patient care. \$MTVR may be an attractive way to invest in the metaverse and its potential."

The Fount Metaverse ETF (ticker \$MTVR) seeks to provide investment results that, before fees and expenses, generally correspond to the performance of the Fount Metaverse Index. The index was designed to measure the performance of companies that develop, manufacture, distribute, or sell products related to metaverse technology.

[1] Surprising Working from Home Productivity Statistics, Apollo Technical, 6/2/21

[2] Hybrid Work: A Guide for Business Leaders, Microsoft, 2021

[3] Time to Brush Up Your Avatar – Working From Home with xR & 5G in the Metaverse, AT&T, 6/17/21

Fount Investment Company Limited

Using its proprietary artificial intelligence technologies, Fount Investment Company Limited ("Fount") searches big data for future-promising investment themes and finds companies from global exchanges that will benefit from new investment themes. Investors could invest in Fount's AI-powered investment ideas through U.S.-listed Fount ETFs that passively track Fount's thematic indices. Fount Subscription Economy ETF

(NYSE Arca: SUBS) and Fount Metaverse ETF (NYSE Arca: MTVR) are the first two Fount ETFs.

Address

13F, 416, Hangang-daero
Jung-gu, Seoul 04637
Republic of Korea
T. +82-2-2038-0263

Fount ETFs

[MTVR](#)
[SUBS](#)
[Blog](#)
[Contact](#)

Privacy Policy

© Fount ETFs. All Rights Reserved. Powered by Exchange Traded Concepts
Investors should consider the investment objectives, risks, charges and expenses carefully before investing. For a prospectus or summary prospectus with this and other information about the Fund, please call 855-425-7426 or visit our website at www.fountetfs.com. Read the prospectus or summary prospectus carefully before investing.

Exchange Traded Concepts, LLC. serves as the investment advisor to the Funds. The Funds are distributed by SEI Investments Distribution Co., (SIDCO) 1 Freedom Valley Drive, Oaks, PA 19456. SIDCO is not affiliated with Exchange Traded Concepts, LLC. or Fount Investment Co. Ltd.

Risk Disclosure:

Investing involves risk, including possible loss of principal. There is no guarantee the Funds will achieve their stated objectives. In addition to the normal risks associated with investing, international investments may involve risk of capital loss from unfavorable fluctuation in currency values, from differences in generally accepted accounting principles or from social, economic or political instability in other nations. Emerging markets involve heightened risks related to the same factors as well as increased volatility and lower trading volume. The Funds' concentration in an industry or sector can increase the impact of, and potential losses associated with, the risks from investing in those industries/sectors. The Funds are non-diversified. The Funds are new and have limited operating histories for investors to evaluate. New and smaller funds may not attract sufficient assets to achieve investment and trading efficiencies. In addition to the normal risks associated with investing, investments in smaller companies typically exhibit higher volatility.