



CASE STUDY

Avanade helps improve access to a world-renowned medical resource

For use within the US and Canada only.

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At a glance

Seeking to reach 3 billion healthcare professionals and patients by 2020, Merck partnered with Avanade to design and deploy the Merck Manual online (professional, consumer and veterinary versions), leveraging the Sitecore platform.

Business Situation

The Merck Manual of Diagnosis and Therapy has been the most widely-used, comprehensive medical resource among professionals and consumers since 1899. It was originally designed for the public good and remains that way today. The primary goal of the Merck Manual is to enable the organization's Global Medical Knowledge 2020 initiative: "To provide free access to accurate and reliable medical information on every continent by 2020."

In order to expand access to the textbook and improve its use, Merck understood that it should eliminate the print version. As a result, Merck needed to redesign its online platform, which was no longer providing the necessary scalability, capabilities and analytics. After an extensive RFP process, Avanade was selected to execute a complete rethink and ground-up rebuild of the new Merck Manual.

Solution

The new Merck Manual site includes a fully-featured site search, multi-lingual support in ten different languages, comprehensive analytics, SEO, social media links and integrated multimedia. It allows non-technical administrators to control the site's content and appearance without requiring custom development.

The use of Microsoft platforms and technologies was instrumental in making the Merck Manual digital initiative a success. The solution leverages a content management system (CMS) to deliver the customer experience, while Sitecore – a Microsoft ISV developed on a .Net framework – is central to this solution. The production, development, testing and back-up servers for this site are all on Microsoft Azure, ensuring high performance, redundancy and scalability.

Results

The Merck Manual project is a great example of how digital transformation can be leveraged for the common good of people across the world. In addition to Merck's goal of providing free access to accurate and reliable medical information on every continent, the company is targeting an outreach of up to 3 billion professionals and patients within this timeframe.

By the numbers, here's how the Merck Manual team, of which Avanade is now an integral member, is working to fulfill its mission and make a large-scale societal impact:

- 350 medical experts continually update the manual's content to reflect the most current and accurate medical information.
- 10 languages are now available for broader use.

"With Global Medical Knowledge 2020, we're committed to providing consumers and health care professionals everywhere with quality, unbiased medical information they can easily understand and use on a daily basis."

-Robert S. Porter, M.D., Merck Manual editor-in-chief

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- One connection point allows consumers and professionals to access medical information tailored to their needs and knowledge, putting patients and their healthcare team on the same page.
- 10,000+ resources enhance the expansive database of medical topics with videos, images, animations, medical calculators and a growing set of other resources.
- 150,000 relationships with professionals and patients around the world on social media and other platforms facilitate meaningful dialogues on the most important medical topics.
- Zero ads or registration improves the user experience of this not-for-profit initiative and is a sign of commitment to providing free and open access to medical information.

Avanade is proud to help improve access to the Merck Manual online, and the site's audience has continued to grow in every Merck market. During the final build phase, construction was running behind the scenes while the team supported an ever-swelling amount of incoming traffic, currently at more than 290,000 page views per day.

NOTE: This story describes work that was completed by Infusion, which was acquired by Avanade in February 2017.

About Merck Manual

To learn more about the Merck Manual, or access the professional and consumer versions of the resource, visit www.merckmanuals.com.

About Avanade

Avanade is the leading provider of innovative digital and cloud-enabling services, business solutions and design-led experiences, delivered through the power of people and the Microsoft ecosystem. Majority owned by Accenture, Avanade was founded in 2000 by Accenture LLP and Microsoft Corporation and has 30,000 professionals in 24 countries. Visit us at www.avanade.com

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