



CASE STUDY: TPP AND FDB

Working together to support SystmOne users across the UK.

First Databank (FDB™) has been working with TPP since 1999, and its drug knowledge has been used in TPP's product, SystmOne, since 2001, incorporating FDB's Multilex drug knowledge base.

FDB provides its clinical decision support module and drug knowledge which is integrated into TPP's SystmOne, helping to reduce medication errors and improve patient safety.

In 2001, TPP approached FDB, aiming to improve the drug knowledge functionality within SystmOne. TPP recognised that in order to help their customers, the clinicians using their systems, they had to provide the right information to improve prescribing safety and ultimately improve patient care.

FDB provided an easily integrated solution to meet TPP's product development requirements through its product, Multilex, their drug knowledge base. Multilex offers TPP comprehensive clinical and commercial information on all UK pharmaceutical products, and active clinical decision support as an integrated feature of SystmOne. TPP's coverage statistics speak for themselves. TPP now has over 24 million patient records on SystmOne and more than 103,000 NHS users across the UK. These customers are benefiting from the reliable and tailored solution from TPP, incorporating the trusted information from FDB, within SystmOne.

TPP's SystmOne

TPP's product, SystmOne, is a suite of clinical systems used in a wide range of healthcare settings from GP practices to prisons, community hospitals to emergency departments. SystmOne is an NHS Connecting for Health accredited system and has been selected as a GP System of Choice. SystmOne GP is being used in over 1800 GP Practices and TPP continues to provide healthcare organisations across the country with its ground breaking suite of clinical systems.

TPP's use of advanced technologies allows patient records to be shared between legitimate carers through the use of a remote central server.

The system provides one record for one patient at the point of care, which means that the right information is available to the right person at the right time, no matter where they are – at the GP practice, A&E department, community facility, hospice or any other healthcare setting using SystmOne. Available in real-time, SystmOne provides a full and detailed patient record, allowing legitimate users access to a complete picture of the patient's history and it helps to maximise QOF points, streamlines work processes and most importantly allows clinicians to concentrate on patient care - a shared objective of both TPP and FDB.

“TPP continues to enjoy a great relationship with Multilex. We are proud to support Multilex, which offers the best clinical decision support on the market. Knowing that there is a dedicated team of specialists working on the knowledge base assures me that the data is of the highest possible standard for our users.”

JOHN PARRY
Clinical Director of TPP

Benefits of using FDB's information

When a clinician wishes to prescribe a medication using SystmOne, the system accesses FDB's Multilex drug knowledge base's comprehensive drug picking list. Once a clinician selects a medication, Multilex checks this against the patient's record and generates an alert message if there are potential clinical problems advising SystmOne users of potential drug-drug interactions, sensitivities, contraindications and precautions, drug doubling and therapeutic doubling.

These alerts support clinicians with their decision making and are vital in helping to reduce prescribing errors.

Jim Welford, GP at the Carlton Medical Practice Health Centre in Bradford, comments:

“Multilex’s interaction checking is excellent and has proved invaluable to my work – I always pay attention to the three and four star interaction alerts as I know that the information supplied can be trusted.”

In addition to FDB's clinical decision support module, TPP has integrated FDB's Multilex drug knowledge base reference information into SystmOne. By clicking on the Information button, users can access a wealth of drug knowledge such as dosage, side effects and patient counselling information – an invaluable verification support for the busy clinician – when additional medication information is required.

The system also includes a function to check a patient's medical history using Multilex's action groups. Action groups can be used to view families of related drugs and are helpful when searching for an alternative medication for a patient. By clicking on an action group, the system clearly displays which drugs from within that particular group a patient has taken. This is set out on a timeline so users can also see when the patient was taking the drugs and for how long.

Jim Welford continues:

“Multilex’s reference information is really useful when I need to investigate a drug further. I refer to the dosage information frequently. Action groups are also user configurable and I like the fact that I can zoom in and out of a patient’s history.”

Combined expertise delivering market-leading solutions

The combined expertise available through the TPP and FDB partnership gives customers reassurance that they are using a reliable and highly-intuitive designed system. The combination of FDB's drug knowledge and powerful healthcare solutions with TPP's innovative approach and reliable and intuitive clinical expertise delivers a patient-centric, innovative and trusted solution to clinicians.

The two companies continue to work together, closely, to develop and deliver innovative and market-leading solutions to the healthcare industry in the UK.

For more information, contact us today at 01392 440 100. Or, visit fdbhealth.co.uk

First Databank (FDB), a subsidiary of Hearst Corporation, is the UK's leading provider of drug knowledge bases and active clinical decision support.

As the company that helped to launch the medication decision support industry, we offer more than three decades of experience in helping transform drug knowledge into actionable, targeted and effective solutions geared to improving patient care, patient safety and outcomes.



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NICE has accredited the process used by First Databank to develop content used in Multilex drug knowledge. More information on accreditation can be found at www.nice.org.uk/accreditation. Accreditation evaluates only the processes used to develop content and excludes recommendations displayed by decision support systems in specific clinical settings as these are dependent on technical algorithms which are outside of the scope of NICE accreditation. Accreditation can be used to inform compliance with ISB 0129 – Clinical Safety Risk Management System – Manufacture of Health Software and ISB 0160 – Clinical Safety Risk Management System – Deployment and Use of Health Software, but cannot be used in isolation to release any product for clinical use.