COVID-19 Clinical Decision Support
MISSION
To foster the safe use of medicines

VISION
To be the trusted international authority for research, evidence and resources for the safe use of medicines
Dear friends and supporters of AZCERT,

In the midst of today’s ever-changing landscape, AZCERT and its web-based public forum, CredibleMeds® continue to make advances that promote and enable safe medicine use. This steady and substantial progress comes as a direct result of the support we receive from you, our generous donors and benefactors.

Our supporters continue to be our champions for innovation, allowing us to consistently develop new and bold medical applications that make life-saving information available for use in ways that are both novel and transformational.

We can’t thank you enough for your help that enables AZCERT to remain an independent, trusted authority on safe medicine use — helping to globally advance effective, patient-centric, evidence-based, healthcare, every single day.

With best regards,

Ray Woosley
Crucial QT risk assessment with real-time decision support for safe prescribing

Better, quicker and more informed decisions at the point of care.

Clinical Decision Support

MedSafety Scan® (MSS), developed by scientists at the Arizona Center for Education and Research on Therapeutics (AZCERT), is a platform for therapeutic decision support that incorporates the QTdrugs database from the CredibleMeds website with reliable drug-drug interaction predictions to identify patients at greatest risk of major adverse drug reactions. MSS is built on expert manual curation of QT-risk and drug-drug interaction data to deliver accurate therapeutic risk assessment without false positives or irrelevant information that can overwhelm prescribers due to alert fatigue.

MSS captures essential data to identify a high-risk profile, and then informs prescribers when medications and/or combinations of medicines have the potential to cause prolonged QT interval, torsades de points (TDP) arrhythmia and/or sudden cardiac death. This personalized risk assessment assists prescribers throughout the decision-making process, not just after a prescribing error has been detected.

Personalized Risk Scoring

Personalized scoring for risk of prescription medicines.

Using clinical data from the patient’s electronic medical record, the MedSafety Scan® algorithm gathers important clinical characteristics of each patient, assesses the risk of drug-induced harm and provides personalized medical risk assessment and clinical options for monitoring or medication adjustment based on individual patient data.

As each medical facility will most likely have their own patient demographics and drug use patterns, the system is designed to be customized for use in any clinical environment and the threshold and type of notifications sent to prescribers can be customized on a site-by-site scenario for each institution or clinical unit.

Grateful acknowledgement to The Bert W. Martin Foundation for supporting AZCERT, the makers of MedSafety Scan®.
Ushering in a New Era of Clinical Decision Support Utilizing Scientific Data and Informatics

MedSafety Scan's ability to aggregate, curate and personalize prescription advisories in clinical settings is a pioneering application — ushering in a new era for how we use data, information and knowledge to improve human health and the delivery of health care services. AZCERT’s world-renowned credibility in the specific area of medication safety has offered the healthcare industry an easy-to-follow roadmap by using our expertise in implementing well-proven and cutting edge science to develop applications that are focused on the patients’ and the prescribers' best possible clinical decisions.

MedSafety Scan is accelerating the pathway for healthcare systems to reliably use healthcare IT solutions to consistently and dependably deliver life-saving clinical decision support advisories.

MedSafety Scan® Paves the Way for Healthcare Systems to Reliably Use Clinical Decision Support IT Solutions

In January 2020, AZCERT launched medsaftyscan.com, a website that provides valuable information about the benefits and features of MedSafety Scan®. MedSafetyScan.com offers a comprehensive introduction to MedSafety Scan's real-time decision support capabilities and will support partnership development in 2020 and beyond.
OUR AIMS

• To reduce the harm from prescribing errors and drug-drug interactions

• To provide the public, healthcare providers and research scientists with a credible, accurate and reliable assessment of the potential harm caused by medications

• To enable healthcare systems to improve the safe use of medications by incorporating the AZCERT research findings in their electronic systems designed to support and foster the safe use of medicines

KEY STRATEGIES TO ACCOMPLISH OUR AIMS

• Remain independent of sources of bias that could negatively impact in our analyses of drug safety

• Provide research tools that are novel and which can be integrated into the most modern healthcare systems

• Partner with trusted and respected organizations which share our mission and our standard of independence

MEASURE OUR IMPACT

• We know we're making progress if the scientific information we provide continues to be used by patients, prescribers and healthcare systems to make decisions that result in improved health outcomes
We are proud to announce that AZCERT has achieved the Platinum GuideStar Status Seal of Transparency, the highest level of recognition given by GuideStar, the world’s largest source of information on nonprofit organizations. We believe that transparency goes hand in hand with maintaining independence and credibility as a leading authority in the safe use of medicines. Platinum GuideStar Status is a testament to this pledge of credibility.
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