



Medipense Inc.
9145 rue Boivin,
Montreal (LaSalle), Qc H8R 2E5
T: 438-288-2826
F: 514-416-1596

Contact Graeme Maag
Telephone 438-288-2826 ext: 703
Email info@medipense.com
Website www.medipense.com

FOR IMMEDIATE RELEASE
June 29, 2016

MEDIPENSE PROPOSES CURE FOR MEDICATION ADHERENCE CHALLENGE

Medication non-adherence is a major problem, worldwide. Medipense proposes a cure that includes innovative new technologies of the IoT and particularly the RxPense® Hub, a medication dispensing, management and remote monitoring system and help from a Circle of Care including family, friends and health care professionals.

Montreal, Quebec, June 29, 2016— Medipense is pleased to propose a cure for medication non-adherence, using its innovative medication management and remote patient monitoring device, the RxPense® Hub featuring Circle-of-Care support. Complete details were recently published in the White Paper: “A Cure for Medication Non-adherence”, available for free download on the Medipense.com web site.

The Challenge

With over 4 billion prescriptions filled annually in America, people get sicker, return to hospitals or die needlessly due to medication errors and medication non-adherence. Between 20% to 80% of patients make errors in taking medication and 20% to 60% stop taking medications before being instructed to do so. In addition, 16 percent of patients fail to fill a new prescription and 30% of prescriptions are never refilled.

In the USA, “we spend 86% of our health care dollars on the treatment of chronic diseases” according to the CDC.

Dispensing errors are flagrant. There are many points of failure between the time a physician prescribes, and a patient consumes. These failures occur in the hospital, long term care facility, seniors’ residences and at home. At almost every stage where there is human involvement, there are potential sources of error.

...the cost of treating non-adherent chronic disease patients is at least twice as high as adherent patients with the same conditions

From a financial perspective, waste is consuming our health care dollars. The United States spends nearly \$300 billion USD a year on additional doctor visits, emergency room visits and hospital admissions **due to medication non-adherence**. Billions more are wasted around the world. The US pharmaceutical industry alone loses an estimated \$188 billion annually due to medication non-adherence. Imagine what that extra revenue could yield in reduced pharmaceutical costs and increased research and development.

The Solution

Solving the medication adherence problem is actually quite simple. In our white paper, we begin by reviewing the end-to-end medication process, examining each potential point of failure and proposing a multifaceted solution. Finally, there must be follow-up. Automation and patient empowerment play key roles in the enhancement of medication adherence.



One major part of the cure is RxPense®, a personal medication dispensing and remote monitoring solution that ensures Seniors, Disabled Veterans, Chronic Care Patients or Clinical Trial Participants, take the correct medications on time and promptly notifies caregivers or Health Care Providers if they miss a dose. It can also capture (through external sensors), monitor and store vitals along with the electronic patient record for better follow-up. It gives users access to digital health care and tele-medicine, re-enforcing patient empowerment, enabling monitoring and improving outcomes.

Benefits for Health System Stakeholders

Increasing medication adherence through automation, empowerment and monitoring improves patient outcomes and achieves benefits for all health system stakeholders:

- Government, insurance and other payers reduce spending - patients who are more adherent with medication regimes use fewer health services
- Healthcare professionals and providers deliver better care more efficiently at lower risk
- Pharmaceutical companies increase profitability and deliver value beyond the pill
- Pharmacy retailers ensure repeat orders, increased fulfillment and enhance brand loyalty
- Physicians have the opportunity to become proactive, rather than reactive

Every one percent improvement in medication adherence results in \$2 billion in savings to the U.S. healthcare system and a \$4 billion revenue increase to pharmaceuticals.



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Benefits for Patients

The benefits for patients includes a better quality of life, fewer hospital visits, better health outcomes, reduced travel and health costs and increased social interaction with family and friends.

About Medipense Inc.

Medipense is bringing digital health to an aging population by developing leading edge products and services to specifically address the needs of seniors, those suffering from chronic diseases and the infirm. Whether it's for home health monitoring, remote health monitoring or on-site secure medication access, with RxPense® we combine the convenience of machine automation with senior-friendly software interfaces to create a unique experience and maximize medication compliance.

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If you would like more information about this topic, please contact Graeme Maag at 438-288-2826, Ext: 703 or email at info@medipense.com.