



Addoz Oy - Company presentation

2016



Company information and business focus

- The business idea of Addoz is to provide an innovative and intelligent system for dispensing medication in tablet form. A product portfolio will be developed consisting of an intelligent, reminding dispenser and an integrated service system offering automatic reminder calls for the patient and alert messages for care givers.
- The intelligent dispensing system will improve patient compliance with long-term medication and the safe use of medication, to reduce the risk of overdoses, diminish the risk of adverse reaction, as well as to save the care takers time and to give them peace of mind.
- The system allows monitoring of success and precision of medication via Internet and offers history reports of patient's medicine taking. This information can later be used in planning patient care.
- Addoz Oy is a Finnish company with several years experience in medication dispensing
- Direct customers are home care companies, care homes and units in communes and cities, also units offering alcohol and substance abuse counseling services and pharmaceutical companies.
Residential business is started with pharmacies, some department stores and net shops in Finland.
The number of Addoz medication dispensers delivered into the market is almost 10.000.



Challenges of the dispensing medication systems

- According to the WHO (World Health Organization) only half the people in developed countries with a chronic illness, treat it according to instructions.
- According to research, only one-third of medication is taken on time, one-third is taken sporadically and one-third is not taken at all.
- Patients' explanations for negligence include lapse of memory, being out of medicine or the feeling that medicine is not needed that regularly.



The Addoz solution



- **Med-O-Wheel Smart:**
 - an intelligent reminding medication dispenser. It ensures high-quality, right medicine on-time medication.
 - **GSM device**
 - **Secure device**



- **Med-O-Wheel:**
 - a medication dispenser developed for dosage of medication and vitamins.



The Addoz solution – Med-O-Wheel Smart

- Advantages (when compared to low cost reminding dispensers)
 - Reliable (tested and approved by Bosch), good looking, robust and ergonomic product
 - Easy to use – push and lean
 - Attractive (even to children) with automatic, 'robot' type function to get the medicine
 - Trustworthy – right dose and only on right time
 - Safe – dose has to be asked by pushing
 - Doesn't give extra doses
 - Can be locked
 - Battery used
 - Includes cassettes for 14 and 28 doses
 - GSM module adds system features:
 - enables reminder phone calls and alerts to relatives
 - enables patient compliance reports to improve the treatment





Medication Logistics System



Reminder call



Support

Contact centre/nurse/relative

Alert message



Usage

Medication report

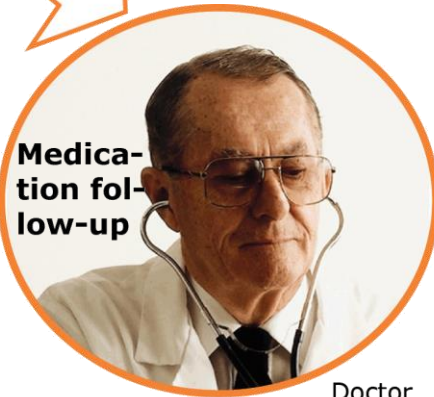
Dosage distribution



Dosage

Chemist/nurse/patient

Prescription



Medication follow-up

Doctor



Concept of Addoz Portal

- Addoz Portal is a service used together with Addoz Med-O-Wheel Smart medication dispensers
- Addoz Portal enables
 - follow up of Med-O-Wheel Smart medication messages
 - reminder calls to end users
 - email and SMS messages to care personnel
 - collection and reports of the medication data
- Portal communicates with Med-O-Wheel Smart by using sms communication
- SIM cards have to be local and they can be bought from whichever local operator
- Portal is developed, built and hosted in Finland



Report of medication in Addoz Portal – additional report models available (e.g. graphs)



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Reports

Start date	End date	Client	Report type		
2008-08-25	2008-09-07	Pekka Potilas	Medication dispensing by date	Show	Print
Client name	Date	Doses taken	Doses forgotten	Percentage of taken doses	
Pekka Potilas	2008-08-26	1	2	33%	
Pekka Potilas	2008-08-27	1	1	50%	
Pekka Potilas	2008-08-28	2	0	100%	
Pekka Potilas	2008-08-29	0	2	0%	
Pekka Potilas	2008-08-30	0	2	0%	
Pekka Potilas	2008-08-31	0	2	0%	
Pekka Potilas	2008-09-01	1	2	33%	
Pekka Potilas	2008-09-02	2	1	67%	
Pekka Potilas	2008-09-03	2	1	67%	
Pekka Potilas	2008-09-04	1	2	33%	
Pekka Potilas	2008-09-05	2	0	100%	
Pekka Potilas	2008-09-06	0	2	0%	
Pekka Potilas	2008-09-07	0	2	0%	
Yhteensa		14	20	41%	



System advantages

- Medication on time supports working ability and vitality.
- Possibility to review the medication report, meaning how the person has taken the medicine. This motivates the person for regular on-time medicine taking.
- Customer only pays the dosed medicine when dosage done in pharmacy
-> lower medication costs for the person
- Dosage information with timing can later be used when planning the treatment. Doctors can depend on the medication data and make a more exact diagnosis. Unnecessary laboratory tests are eliminated, as the report indicates the exact level of medication.
- If medication is done on time at home, the need for hospital care is postponed significantly.
- Nurses use 16-28% of their working hours (according to Finnish experience) to handle medication logistics. Over half of this time could be better spent on caring for patient when using the alarming dispenser in home care.
- Offers more resources to concentrate on patient and rehabilitation



Persons who gain benefits when using the medication dispenser

- People who just want to ensure right medicine taking in right time
- People suffering memory lapse or dementia, Alzheimer's
- People suffering mental disease
- People in specific disease groups: epilepsy, diabetes, ADHD, HIV, asthma, cancer, etc.
- People suffering high blood pressure
- People with intoxicant disturbance
- Handicapped people
- Elderly people, living at home alone
- People, who take care of their close relative with handicap in learning, mobility, etc.
- Suitable for all ages from children to elderly



Contact information

Addoz Oy

Business manager
Antti Törmänen
Tel. +358 40 579 3470