

DER DEUTSCHE SCHMERZ- und PALLIATIVTAG 2008

Anmeldung eines wissenschaftlichen Beitrags

Titel: CONTINUOUS QUALITY IMPROVEMENT: "KAIZEN" FACILITATES THE GERMAN LEGISLATURES REGULATION OF USING NARCOTIC DRUGS
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Question: Does Deming cycle (1) or pdca-cycle as part of kaizen facilitates implementing a new software* to comply with all formalities of the regulation of using narcotic drugs (Betäubungsmittelverordnung; BtMV; BtMÄndV) (2)?

Introduction: The german legislatures regulation of narcotic drugs (Zehnte Betäubungsmittelrechts-Änderungsverordnung – 10. BtMÄndV; 1998) allows the use of special software: "...Die Aufzeichnung kann auch mittels elektronischer Datenverarbeitung erfolgen,..". Information technology may facilitate and assure the documentation of the medication of narcotic drugs or opioids, particularly with regard to the high-frequency revision of legislatures regulations.

Method: Cycling of three pdca-spirals in daily routine business:

Step 1: Development of specification sheet (Plan)

Step 2: Adjustment of all formalities of the regulation (Plan)

Step 3: Test Execution (Do)

Step 4: Test Case Design (Do)

Step 5: Evaluation (Check)

Step 6: Adaptation of specification sheet (Act)

Step 7: Prepare for the Next Spiral (Act)

Step 8: Summarize/Report Spiral Test Result

Results: 1998 in the preliminary model, the capture of data included 28 items, the specification sheet comprehended 10 articles. 2005 the implementation started with 21 database trails, after the first cycle it required 13 adaptations, 2006 after the second spiral the modulation of 12 points of the specification sheet was necessary. To improve the capability, in 2007 previously 4 amendments have been listed.

Table: pdca-spirals; Number of book entries; input and output

pdca-cycle	Input		n. of book entries	Rapfen		Ultiva		Dipi		Dolantin		Sufenta		others	
	all drugs	all drugs		In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
1; 2005	993	672	603	194	126	364	321	102	49	32	16	210	130	91	30
2; 2006	1131	1096	966	251	237	532	505	65	53	50	35	231	239	2	27
3; 2007	918	972	801	85	130	550	510	30	49	60	64	172	181	21	38

Discussion: Pdca-cycle facilitates implementing a new software* to comply with all formalities of the regulation of using narcotic drugs (Betäubungsmittelverordnung; BtMÄndV). Information technology facilitates and assures the documentation, additionally by reducing the physicians loss of time.

(1) Deming, W E: The new Economics. Massachusetts Institute of Technology, Cambridge, MA 02139 1994

(2) BfArM: Zehnte Betäubungsmittelrechts-Änderungsverordnung – 10. BtMÄndV: 1998

* BTM-Verwaltung XL Vers. 2.3.0.0 Einzelplatz-, Netzwerkversion; www.datasoftconnect.de