# Operating a "data-based" hospital dental clinic

"Experts often possess more data than judgment" ~ Colin Powell







My favorite evidence

And the way things Indeed may go....

The N=1 trial



# At PMH we use databases huuuge!

## Our databases....

- ➤ 106 in total linked/unlinked
- ➤ Many active, some dormant
- ➤ Some admin only (?)
- > Some patient tracking
- ➤ Some complication tracking

ADP BILLING STAGE

ADP FEE SCHEDULE

ADP FORM TO DR 1

ALL AML screening

autoopen **Bad Debts Lists** 

Bad Debts Lists 1

BILLING SUMMARY

CardiacSx

CASH - PATIENTS

CHEQUES - INSURANCE

CHEQUES - PATIENTS

Clinic Sessions

COMPLETE SIGN C-F

CONFIRMATION SLIP - ADP

CONFIRMATION SLIP - OCULAR

CreateRoomRecsFP3

Dental Accts Rec Control Balance

Dental Bills

Dental Imaging Report

Dental Monthly Payment Record

Dental Purchase Requisitions

dental staff absences

Dentists

DENTISTS MONTHLY BILLING Report

DENTISTS ROUNDS

DNK

DOUBTFUL DENTAL ACCT

Dr List

ENTER JOURNALS - NEW

FAX Fee Schedules

Flu Trays SS approval letter

GWA Fee Schedules

GWA CLAIM FORM

INS. UNDERPAYMENT

Joseph fee schedule

Language Analysis

LETTER TO ADP - REASONS

LETTER TO OUTSIDERS

LETTERHEAD - PMH LOGO

LETTERPAPER WITH PMH LOGO

Letters

LTR TO SS OCULAR PROS

Medical and Surgical Supplies

Monthly blg rec report

NEW ADP INVOICE

New dental bills[1]

NEW FEE SCHEDULE

New Letterhead

NEW TOTAL BILLING & payment

NEW TOTAL BILLING & SPAYM

NOT COVERED BY INS

Ocular Fee Schedule

Ocular notes

OHIP ENVELOPE

**OHIP Submission File** OLD LEDGER CARDS

OMRP

Oncall Schedule

OP-Insurance ADP

OUT OF PROVINCE CLAIM FORM

Pan log

Patient Consent form

Patient Database

PATIENT PAYING ON ACCOUNT

Patient's ledger cards

Patient's RECEIPT

PHOTO FILE

**PMH Dental Clincians** 

PMH Dental Lab invoices PMH Dental Workload

PMH Staff Dental Database

PMH Staff Standard Dental Claim

PMH STATEMENT

POA Agreement

View Macros

# Why use? / uses of databases?

Quality control monitoring Administrative uses

Quality control monitoring As a research tool Administrative uses

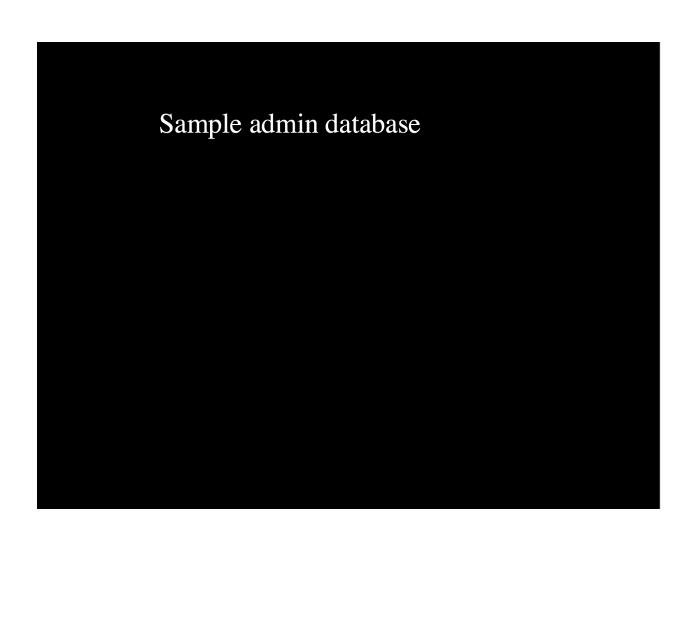
As a research tool

Quality control monitoring
Administrative uses
As a research tool









PAGE ?	DENT	ISTRY O	N CALL	SCHEDULE -REVISI	ED Wadnesday April 0	120 2016
first day	last day			First call	ED Wednesday, April 2	20, 2016
Tue, Feb 2, 2016	to Man Feb 1		2016	Son	FAMILY DAY	
Tue, Feb 9, 2016	to Mon, Feb 15		2016	Son	FAMILT DAT	
Tue, Feb 16, 2016	to Mon, Feb 22		2016	Lee		—
Tue, Feb 23, 2016 Tue, Mar 1, 2016	to Mon, Feb 29		2016	Maxymiw Chadwick		
	to Mon, Mar 7,		2016			
Tue, Mar 8, 2016	to Mon, Mar 14		2016	Chadwick		—
Tue, Mar 15, 2016	to Thu, Mar 21		2016	Chadwick	OCCUPATION FACTOR OF INDAM	
Tue, Mar 22, 2016	to Mon, Mar 20		2016	AlMardini	GOOD FRIDAY EASTER SUNDAY	
Tue, Mar 29, 2016	to Mon, Apr 4,		2016	Burgess		—
Tue, Apr 5, 2016	to Mon, Apr 11		2016	Lee		
Tue, Apr 12, 2016	to Mon, Apr 18		2016	Maxymiw		—
Tue, Apr 19, 2016	to Mon, Apr 25		2016	Wood		
Tue, Apr 26, 2016	to Mon, May 2		2016	Chadwick		
Tue, May 3, 2016	to Mon, May 9		2016	Son		
Tue, May 10, 2016	to Mon, May 1		2016	Wood		
Tue, May 17, 2016	to Mon, May 2		2016	Lee	VICTORIA DAY	
Tue, May 24, 2016	to Mon, May 3		2016	Maxymiw		
Tue, May 31, 2016	to Mon, Jun 6,	2016	2016	Watson		
Tue, Jun 7, 2016	to Mon, Jun 13	3, 2016	2016	Wood		
Tue, Jun 14, 2016	to Mon, Jun 20	), 2016	2016	Burgess		
Tue, Jun 21, 2016	to Mon, Jun 27	7, 2016	2016	Lee		
Tue, Jun 28, 2016	to Mon, Jul 4,	2016	2016	Watson	CANADA DAY	
Tue, Jul 5, 2016	to Mon, Jul 11,	, 2016	2016	Wood		
Tue, Jul 12, 2016	to Mon, Jul 18,	, 2016	2016	Wood		
Tue, Jul 19, 2016	to Mon, Jul 25,	2016	2016	Chadwick		
Tue, Jul 26, 2016	to Mon, Aug 1,	2016	2016	Son	CIVIC HOLIDAY	
Tue, Aug 2, 2016	to Mon, Aug 8,	2016	2016	Maxymiw		
Tue, Aug 9, 2016	to Mon, Aug 1	5, 2016	2016	Lee		
Tue, Aug 16, 2016	to Mon, Aug 2	2, 2016	2016	Wood		
Tue, Aug 23, 2016	to Mon, Aug 29	9, 2016	2016	AlMardini		
Tue, Aug 30, 2016	to Mon, Sep 5,	2016	2016	Son	LABOR DAY	
Tue, Sep 6, 2016	to Mon, Sep 12	2, 2016	2016	Watson		
Tue, Sep 13, 2016	to Mon, Sep 19	9, 2016	2016	Maxymiw		
Tue, Sep 20, 2016	to Mon, Sep 2	6, 2016	2016	Lee		
Tue, Sep 27, 2016	to Mon, Oct 3,	2016	2016	Burgess		
Tue, Oct 4, 2016	to Mon, Oct 10	, 2016	2016	Wood	THANKSGIVING	
Tue, Oct 11, 2016	to Mon, Oct 17	, 2016	2016	AlMardini		_
Tue, Oct 18, 2016	to Mon, Oct 24	, 2016	2016	Maxymiw		_
Tue, Oct 25, 2016	to Mon, Oct 31	, 2016	2016	Lee	HALLOWE'EN	
Tue, Nov 1, 2016	to Mon, Nov 7,		2016	Son		
Tue, Nov 8, 2016	to Mon, Nov 1		2016	Wood		_
Tue, Nov 15, 2016	to Mon, Nov 2		2016	Chadwick		
					ather number	
Dentist Home number				pager number	other number	
Dr. Maxymiw Dr. Lee Dr. Wood Dr. Burgess Dr. Son Dr. Al Mardini		416-248-1667 416-486-4492 1-905-637-8703 416-534-9884 905-762-9885 905-538-1821		416-790-7326 416-790-7270	647-984-1340 (cell) 416-473-9566 (cell)	
				416-714-6098	416-219-9767 (cell) 416-979-4900 ext 4666 (Faculty)	ı
				416-790-7111	647-205-8887 (cell) 905-929-6253 (cell)	
Dr. C	hadwick					
Browse	Vatson	416-300-5	7.74		416-668-3935 (cell)	

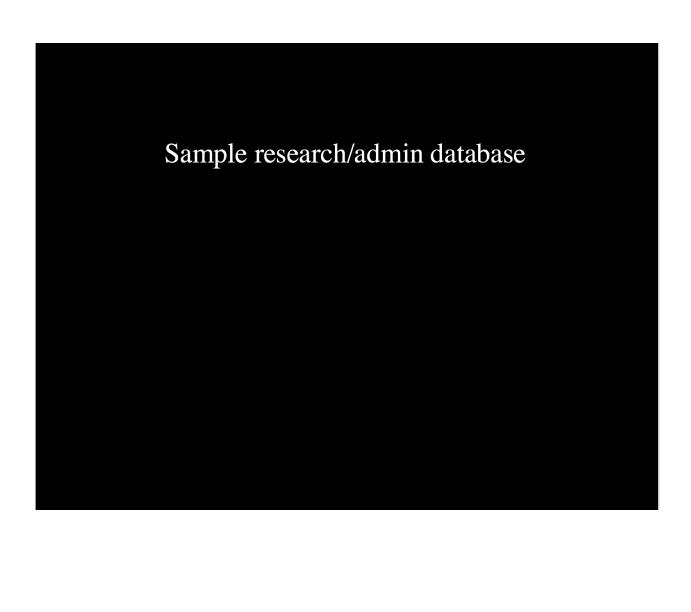
Browse DENTAL STAFF VACATION TIME AND COVERAGE ① ♀ ↑ 🗀 (UPDATED April 20, 2016 12:44:21 PM Layout: Find records for weekly updates Sort records for Weekly updates Find records for TCS TCS Entry F DATE OF ABSENCE TCS Code vacation type SESSION COMMENTS/COVER MAXYMIW Mon, Jun 23, 2003 WOOD AM Monday vacation TTH 北乡 MAXYMIW Tue, Jun 24, 2003 CLOSED SESSION PM Tuesday vacation TTH Record: MAXYMIW Wed, Jun 25, 2003 AM Wednesday vacation TTH WOOD Total: 8088 Thu, Jun 26, 2003 AM & Thursday PM MAXYMIW vacation CLOSED SESSION Unsorted MAXYMIW Fri, Jun 27, 2003 AM Friday vacation TTH CLOSED SESSION MAXYMIW Mon, Jun 30, 2003 AM Monday vacation TTH CLOSED SESSION ALL STAFF Tue, Jul 1, 2003 AM & Tuesday PM vacation TTH CLOSED SESSION WOOD> BURGESS MAXYMIW Wed, Jul 2, 2003 AM Wednesday vacation TTH MAXYMIW Thu, Jul 3, 2003 AM & Thursday PM vacation TTH CLOSED SESSION MAXYMIW AM Friday WOOD > SON Fri, Jul 4, 2003 vacation TTH MAXYMIW Mon, Jul 7, 2003 AM Monday WOOD vacation TTH MAXYMIW CLOSED SESSION Tue, Jul 8, 2003 PM Tuesday vacation TTH MAXYMIW Wed, Jul 9, 2003 AM Wednesday WOOD; session now closed vacation TTH MAXYMIW Thu, Jul 10, 2003 AM & Thursday PM CLOSED SESSION vacation TTH MAXYMIW Fri, Jul 11, 2003 AM Friday WOOD vacation TTH MAXYMIW Tue, Aug 5, 2003 PM Tuesday unpaid vacation CLOSED SESSION MAXYMIW Wed, Aug 6, 2003 PM Wednesday CLOSED SESSION unpaid vacation MAXYMIW Wed, Aug 6, 2003 AM Wednesday BURGESS Add 3.5 hours to unpaid vacation MAXYMIW Wed, Aug 6, 2003 PM Wednesday WOOD unpaid vacation NOT IN CLINIC MAXYMIW Thu, Aug 7, 2003 AM Thursday Admin time

Admin time

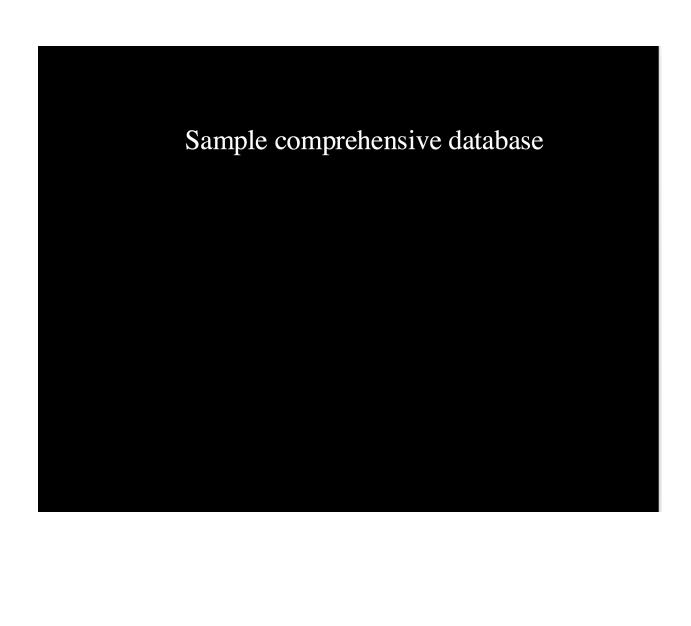
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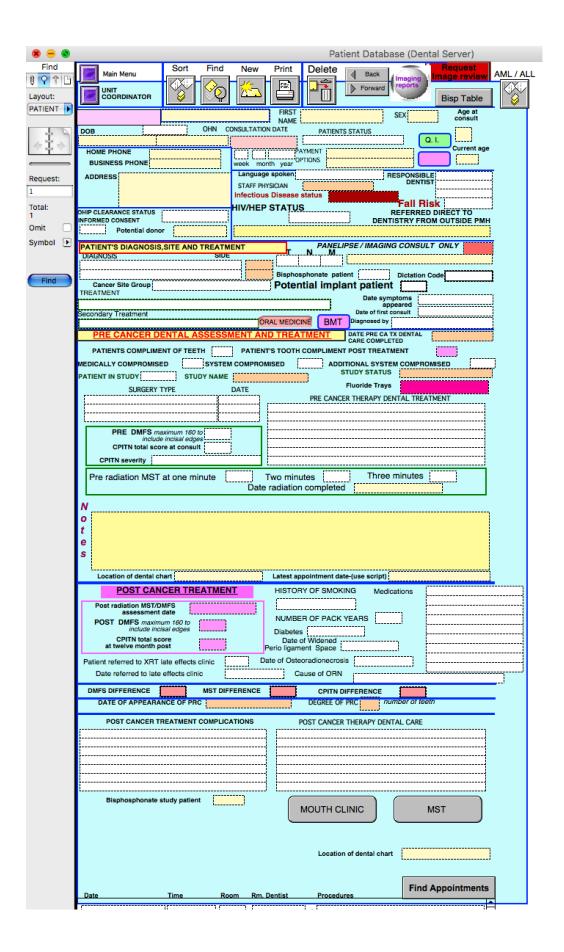
MAXYMIW

Thu, Aug 7, 2003 PM Thursday



Browse		
이 1 []		
Layout: ALL AML	PMCC LEUKEMIA DENTAL SCREENING DATABASE	
ALL AIVIL	CONSULT DATE	
主士	MRN	
← ± →	DIAGNOSIS	
	SURNAME	
Record:	GIVEN NAME	
168	CONTACT PHONE NUMBER	
Total: 168	NUMBER OF TEETH	
Unsorted		
	REGULAR DENTAL CARE	
	LAST DENTAL VISIT IN MONTHS	
	ORAL DENTAL PAIN	
	ORAL BLEEDING	
	LOOSE TEETH	
	PERCUSSION SENSITIVITY ANY TEETH	
	GINGIVAL INFILTRATE	
	VISIBLE ORAL PETICHIAE	
	ACUTE ORAL INFECTIONS	
	GLOBAL ASSESSMENT GINGIVAL HEALTH ALL GLOBAL ASSESSMENTS	
	GLOBAL ASSESSMENT ORAL HYGIENE SHOULD BE SCALED 1 TO 100 WITH 1 BEING NONE AND 100	
	GLOBAL CARIES ASSESSMENT BEING THE MOST SEVERE	
	COMMENTS	
	Blasts? WBC count	
	Platelet count	
	HgB count	
	Counts suitable for	
	dental treatment	
	NEEDO DOOT	
	NEEDS POST REMISSION	
	DENTAL APPT	





### One has to be careful....

BMJ. 2003 Dec 20;327(7429):1459-61.

Parachute use to prevent death and major trauma related to gravitational challenge: systematic review of randomised controlled trials.

Smith GC1, Pell JP.

Author information

### Abstract

OBJECTIVES: To determine whether parachutes are effective in preventing major trauma related to gravitational challenge.

**DESIGN:** Systematic review of randomised controlled trials.

DATA SOURCES: Medline, Web of Science, Embase, and the Cochrane Library databases; appropriate internet sites and citation lists.

STUDY SELECTION: Studies showing the effects of using a parachute during free fall.

MAIN OUTCOME MEASURE: Death or major trauma, defined as an injury severity score > 15.

RESULTS: We were unable to identify any randomised controlled trials of parachute intervention.

CONCLUSIONS: As with many interventions intended to prevent ill health, the effectiveness of parachutes has not been subjected to rigorous evaluation by using randomised controlled trials. Advocates of evidence based medicine have criticised the adoption of interventions evaluated by using only observational data. We think that everyone might benefit if the most radical protagonists of evidence based medicine organised and participated in a double blind, randomised, placebo controlled, crossover trial of the parachute.

### Republished in

Parachute use to prevent death and major trauma related to gravitational challenge: systematic review of randomised controlled trials. [Int J Prosthodont. 2006]

"Experts often possess more data than judgment" ~ Colin Powell