

# CleanWeb ePROWEB

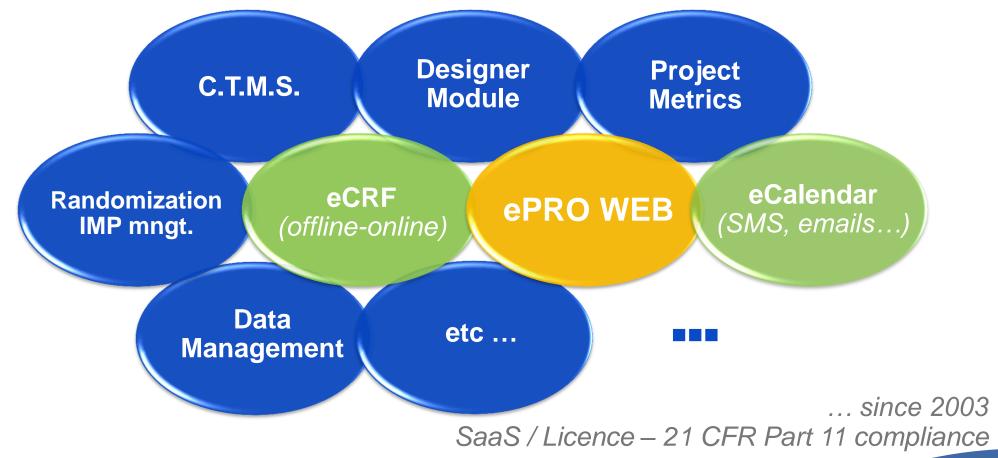
#### e-tools and social networks for epidemiology

#### Paris - 21/05/2013

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# CleanWeb

A Global Solution for online management of clinical trials & epidemiology



telemedicine

#### **PRO – Patient Reported Outcome**

- telemedicine technologies
- Patient questionnaires to be filled independently from the investigator

### Why use ePRO ?

- Increased data quality (i.e. primary study criteria..)
- Real-time data collection → transparency
- Allow subjects additional privacy
- Minimize risk of falsifying data
- Higher compliance rates

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- Patient ID ?
- Quality of data, compliance ?
- Logistics ?
- Double data entry process ?
- Flexibility ?





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- Equipment costs ?
- Logistics ?
- Maintenance ?
- Flexibility ?

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### Why ePRO \*WEB\* ?

# ePRO WEB

# Subjects complete eQuestionnaires via direct entry on a web site.

- No hardware, no hardware malfunction
- No maintenance (battery, synchronization...)
- Dramatic cost reduction
- Can be associated with an eCRF : data available to sponsor in one database
- Patient uses his own device/computer: ease of use







### **Example of study using ePRO**

Study on back pain

- Inclusion visit
- Pain evaluation every 15 days (ePRO)
- Additional questionnaires at 3, 6 and 12 months (Quality of Life, Disability, Mood...) (ePRO)

### **Security and authentification**



Contact information saved on a secure server with restricted access rights

#### Patients / subjects authenticate using a PIN code received by email or SMS



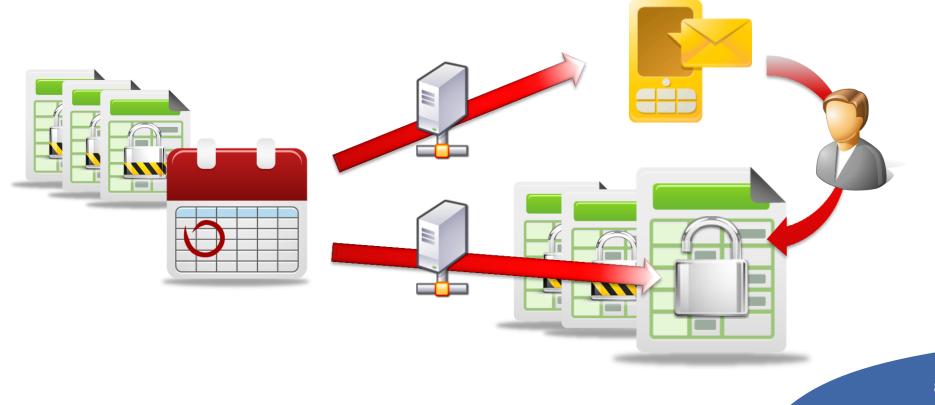




### **Security and authentification**

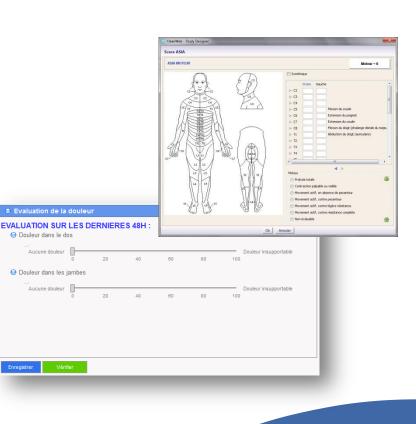
Enhanced compliance with protocol timeline

# PIN codes are only valid during a pre-defined time window (according to the protocol) and renewed for each questionnaire



### **Enhanced data Quality**

- ✓ Fully time stamped data entry
- ✓ Full online audit trail
- ✓ Edit checks, dynamic behaviors
- ✓ Advanced graphic data entry fields
- ✓ Ease of use for patients / subjects



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### **Automated reminders**

Patients' / Subjects' compliance induction

Automated reminders (SMS, emails ...) can be configured at specified time points before, during or ... after data entry time windows



### **Versatility of entry means**

"Responsive design" featured



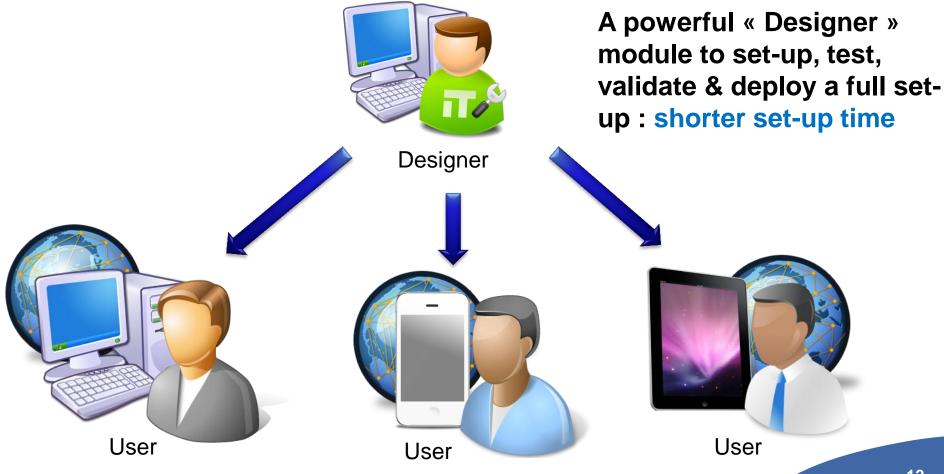
Personal computer

Smartphone

Tablet PC

#### Flexibility – adaptability

Upgrades available immediately : a 1 click process

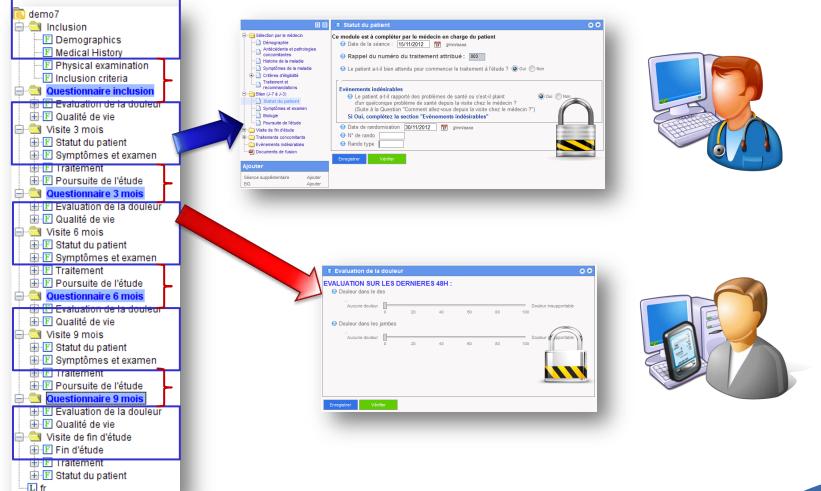


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#### **Full integration with eCRF**

Optimized processes - no "mapping" issues





#### det. **Powerful real time monitoring boards**

Optimize project team resources, automated reports

	mentaire								
Type S	Statut Référence patient	Centre	▼ Inve	estigateur -					
férence patient	Туре	Date théorique	Date effectuée	Statut	Commentaire				
-001	4 - Visite J90	19/05/2013		A venir					
003	4 - Visite J90	12/05/2012		Non rempli					
-004	4 - Visite J90	19/05/2013		A venir					
-005	4 - Visite J90	19/05/2013		A venir					
-006	4 - Visite J90	07/04/2013		Non rempli					
-007	4 - Visite J90	09/01/2013		Non rempli					
-008	3 - Visite J30	11/05/2013		A venir					
-009	3 - Visite J30	11/05/2013		A venir					
-010	3 - Visite J30	11/05/2013		A venir					
-011	3 - Visite J30	11/05/2013		A venir					
-013	3 - Visite J30	14/05/2013		A venir					
-014	2 - J10	26/04/2013		A remplir					
-015	3 - Visite J30	17/05/2013		A venir					
-016	2 - J10	25/04/2013							
-017	2 - J10	26/04/2013	Patients	3 🖧 Nouveau Pati	ient 🗞 Queries 🚍 Planning				
-018	2 - J10	01/05/2013							
-019	4 - Visite J90	13/06/2012	Désactiver	r les alertes Comm	mentaire				
	3 - Visite J30	08/05/2013	To	pe S	Statut Référence patie	nt Ce	ntre	Investigateur	

2 - J10

3 - Visite J30

4 - Visite J90

01-018

01-018

01-018

GIIL "

#### View by patient

01/05/2013

21/05/2013

20/07/2013

A remplir

A venir

A venir

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#### To summarize ...

- Ease of use by patients & project teams
- Increased data quality (authentication, time stamp, enhanced date entry I/F ...)
- Additional privacy for patients / subjects
- Powerful compliance induction features (automated reminders...)
- Dramatic cost savings (no hardware , no maintenance, no logistics...)
- Flexibility / adaptability (long term studies ...)
- Adapted for large populations
- Efficient real time monitoring & reporting tools
- Point of concern :
  - Internet connection required,
  - Population bias ?





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### Thank you for your attention !

