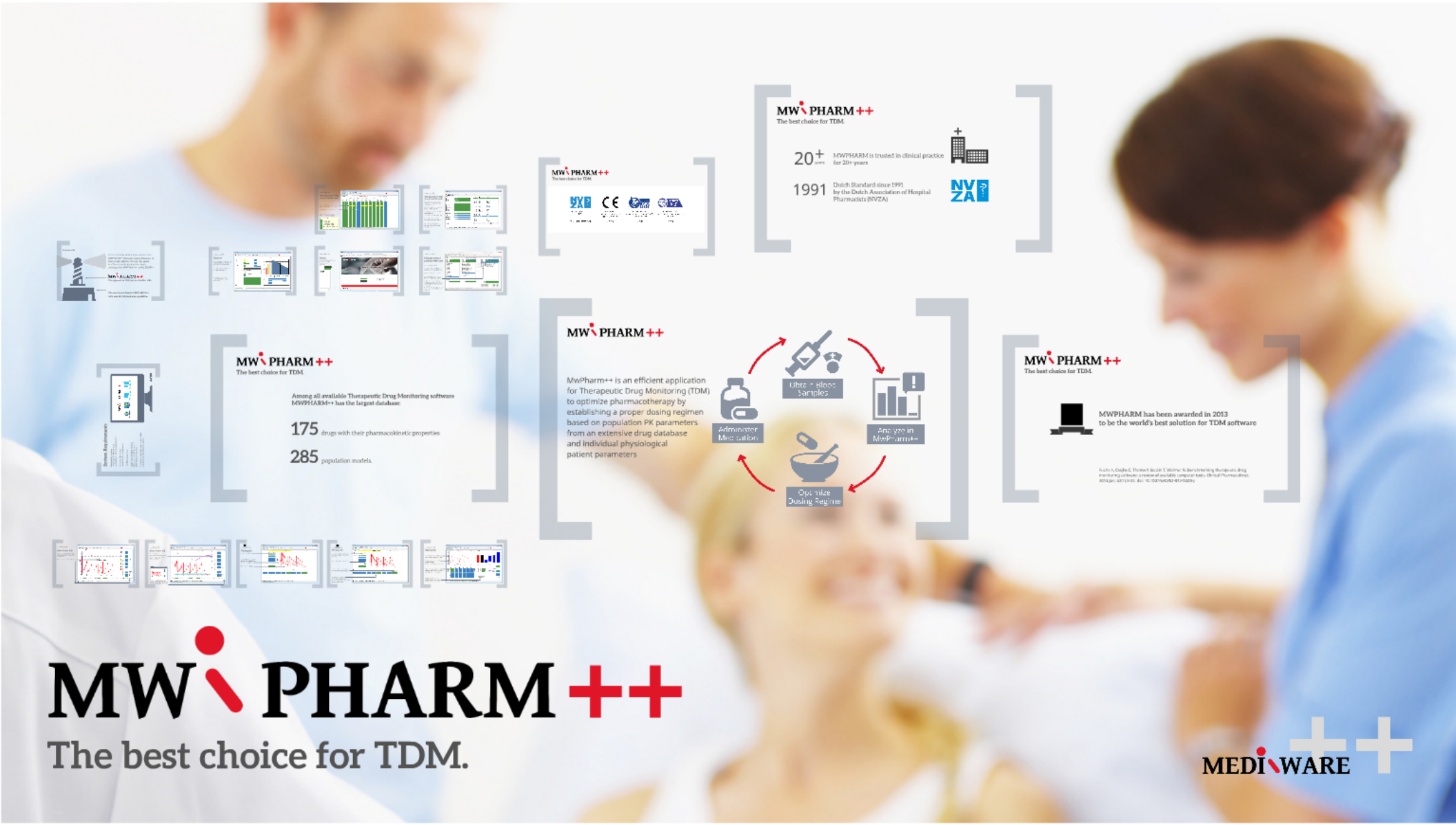

MW PHARM ++

The best choice for TDM.

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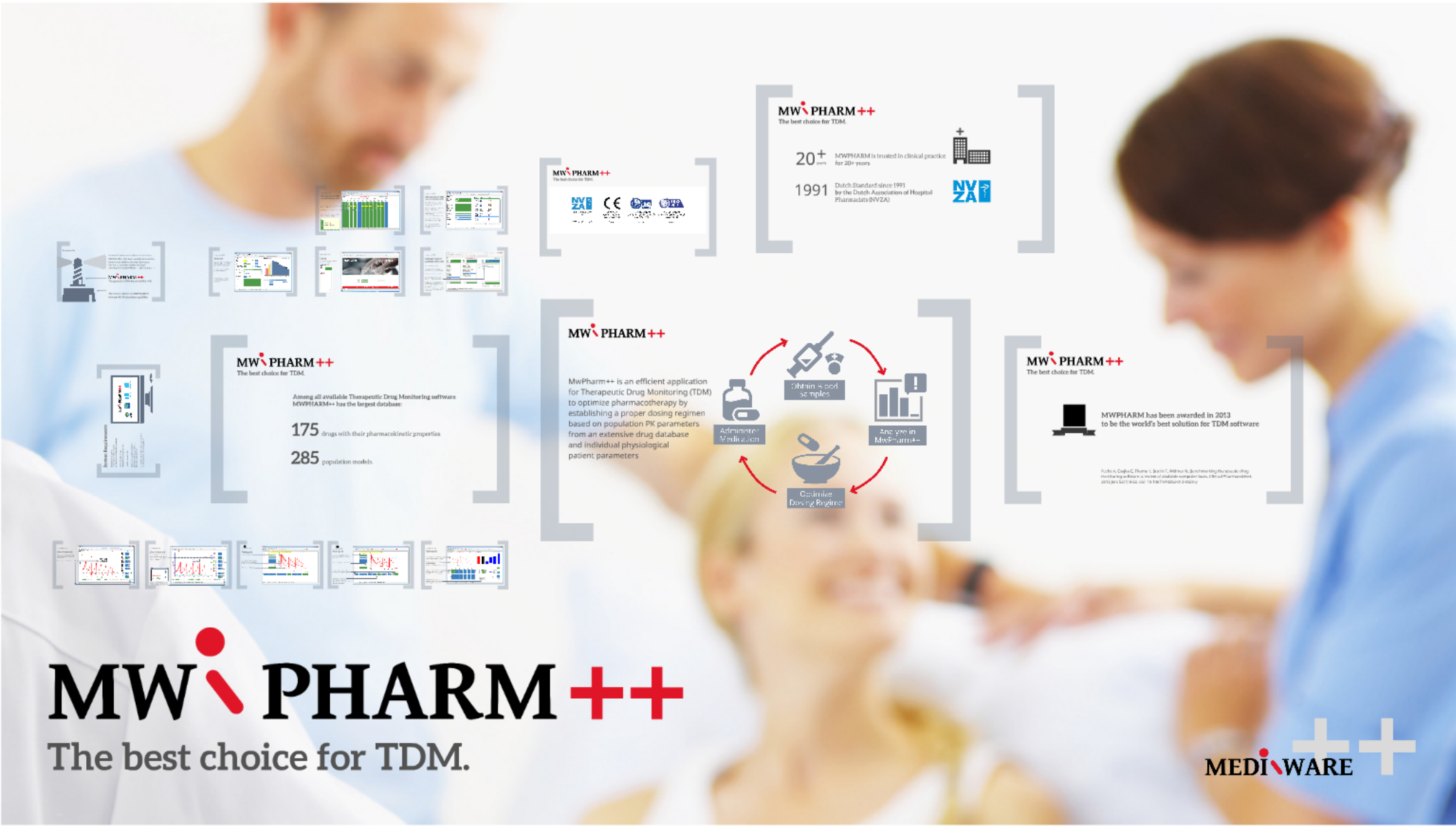
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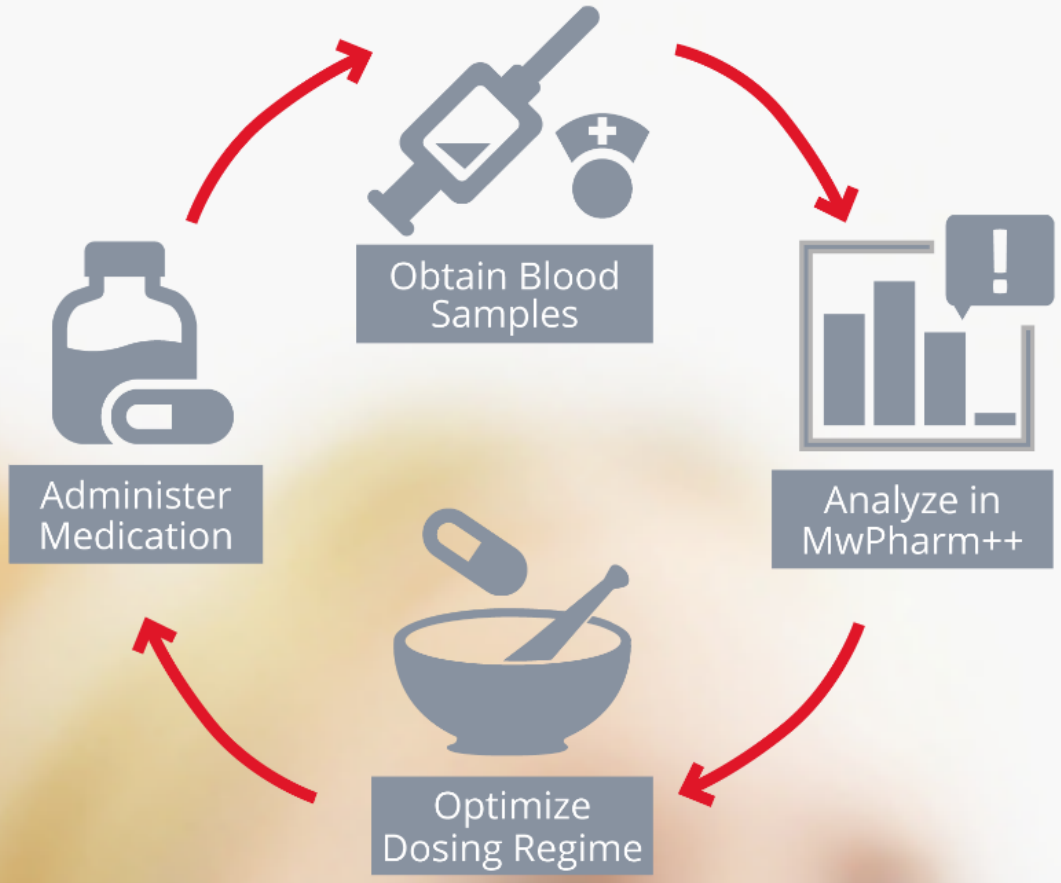

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System Requirements

Minimum Requirements
Processor: 1.2 GHz or higher
(32-bit (x86) or 64-bit (x64) processor)

RAM: 512 MB or more
(available for the application)

Harddisk space: 1 GB

Supported Operating Systems:
Windows Vista SP2, Windows 7,
Windows 8, Windows 8.1

Virtual desktop environments such as Citrix
are also possible after configuration

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Fuchs A, Csajka C, Thoma Y, Buclin T, Widmer N.:Benchmarking therapeutic drug monitoring software: a review of available computer tools. Clinical Pharmacokinet. 2013 Jan; 52(1):9-22. doi: 10.1007/s40262-012-0020-y

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Dutch Standard since 1991

NVZA - the Netherlands

CE-marking
Software conforms to legal requirements

Europe

ISO 13485 Certified
quality management system for medical devices

Europe

ISO 9001 Certified
quality management system for organisations

Europe

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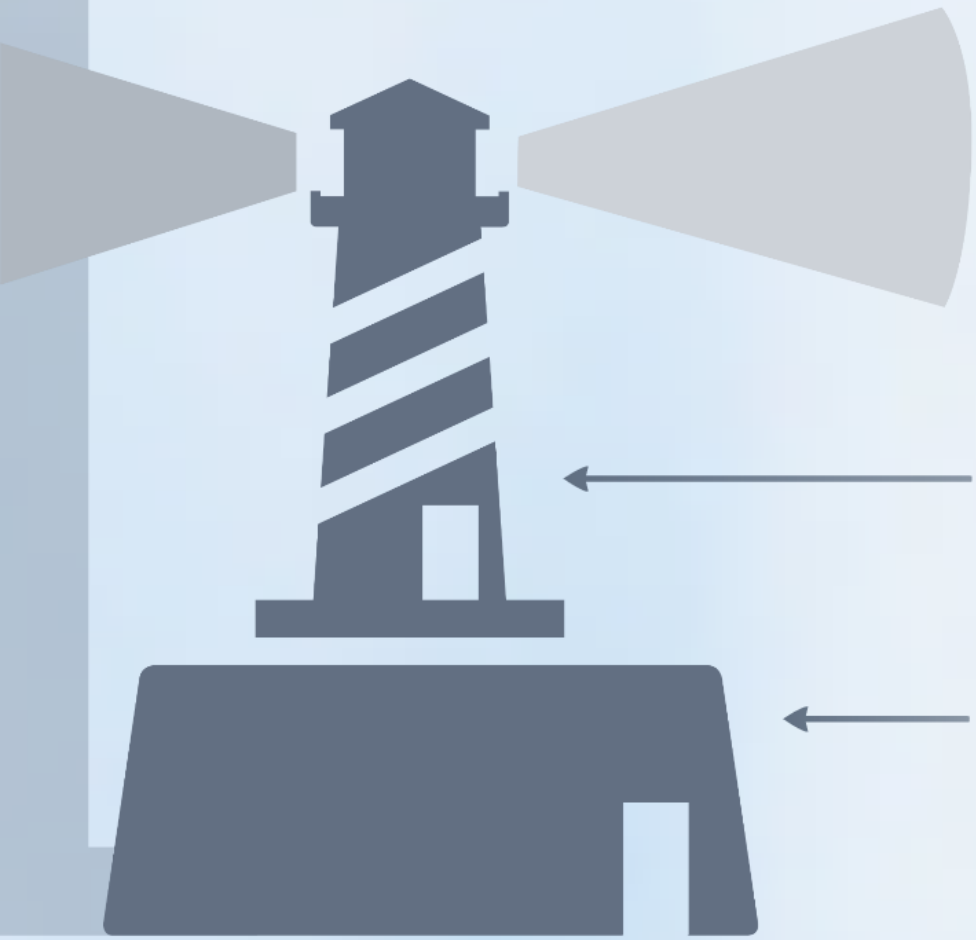

MwPharm DOS has been casting its light for more than 20 years

MWPHARM++ has been greatly improved to have it rock solid for the next 20+ years.
For this, a new foundation has been developed for MWPHARM++ called EDSIM++

MW PHARM ++
The approach to TDM you are familiar with

EDSIM ++
The new foundation for MWPHARM++ with new PK/PD simulation capabilities

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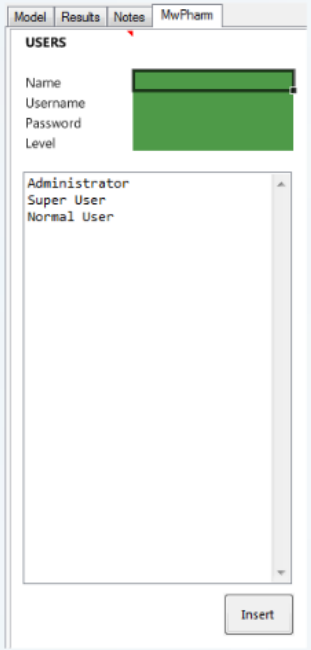
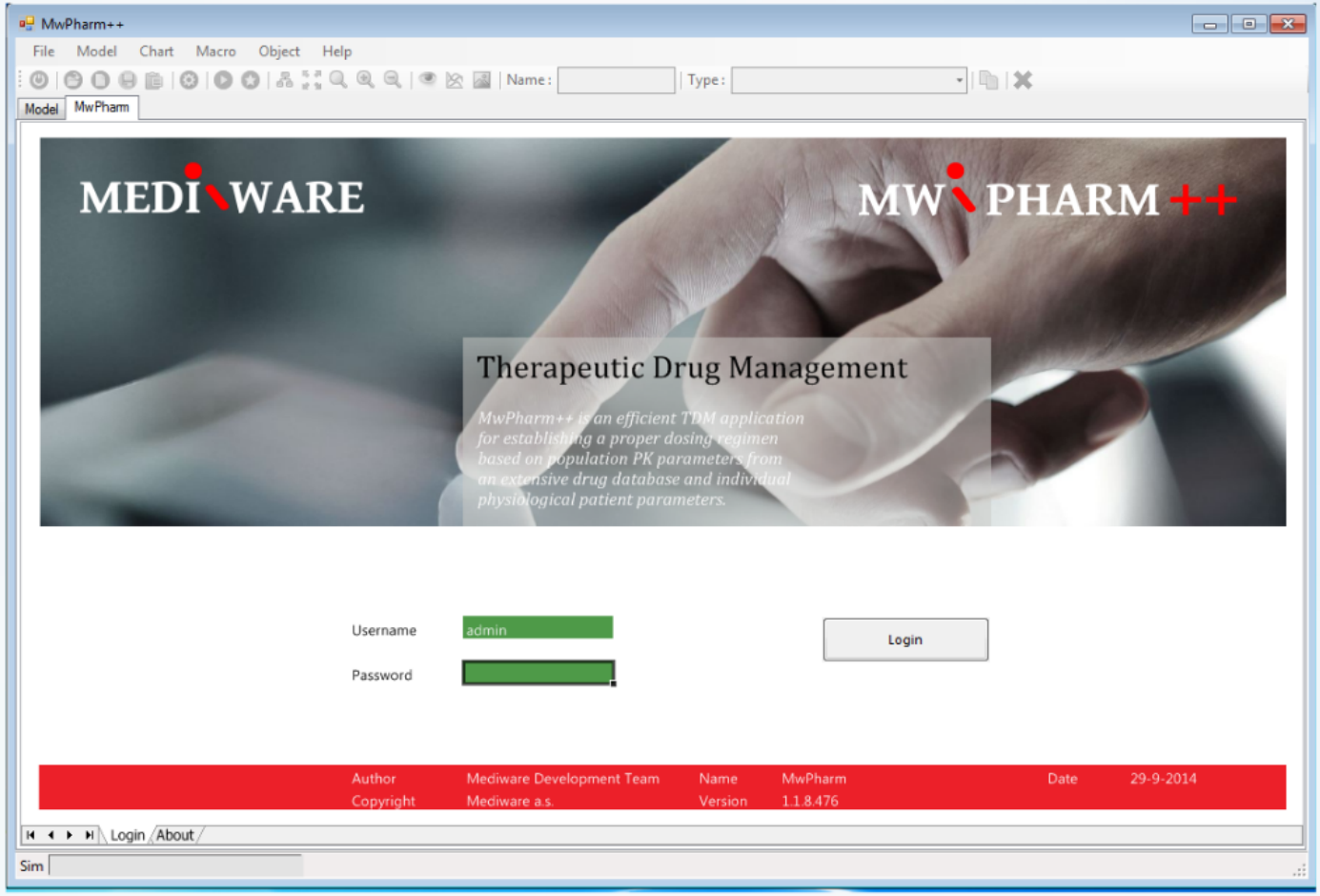
Log in

Additional users can be created under the User tab.





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The best choice for TDM.

The approach to TDM you are familiar with

"Ease of transition for existing users is one of the focus areas for MwPharm++"

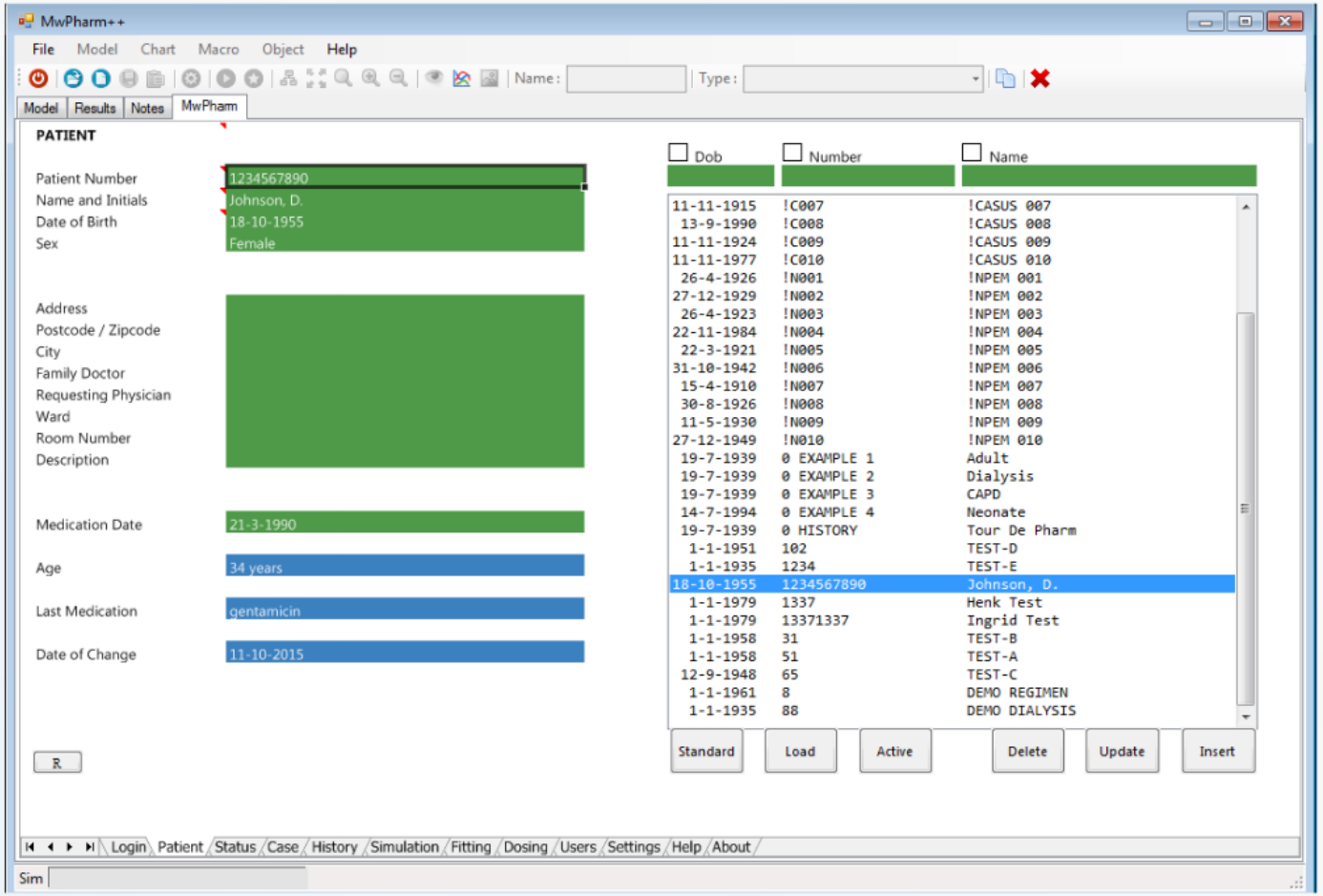
While MwPharm++ is built on the new foundation Edsim++,

this version has the look & feel you are familiar with

(see for example, the Patient tab on the right),

to ease the transition from MwPharm DOS to MwPharm++.

Off course, shortcut keys (such as **F12**) are still present in MwPharm++.



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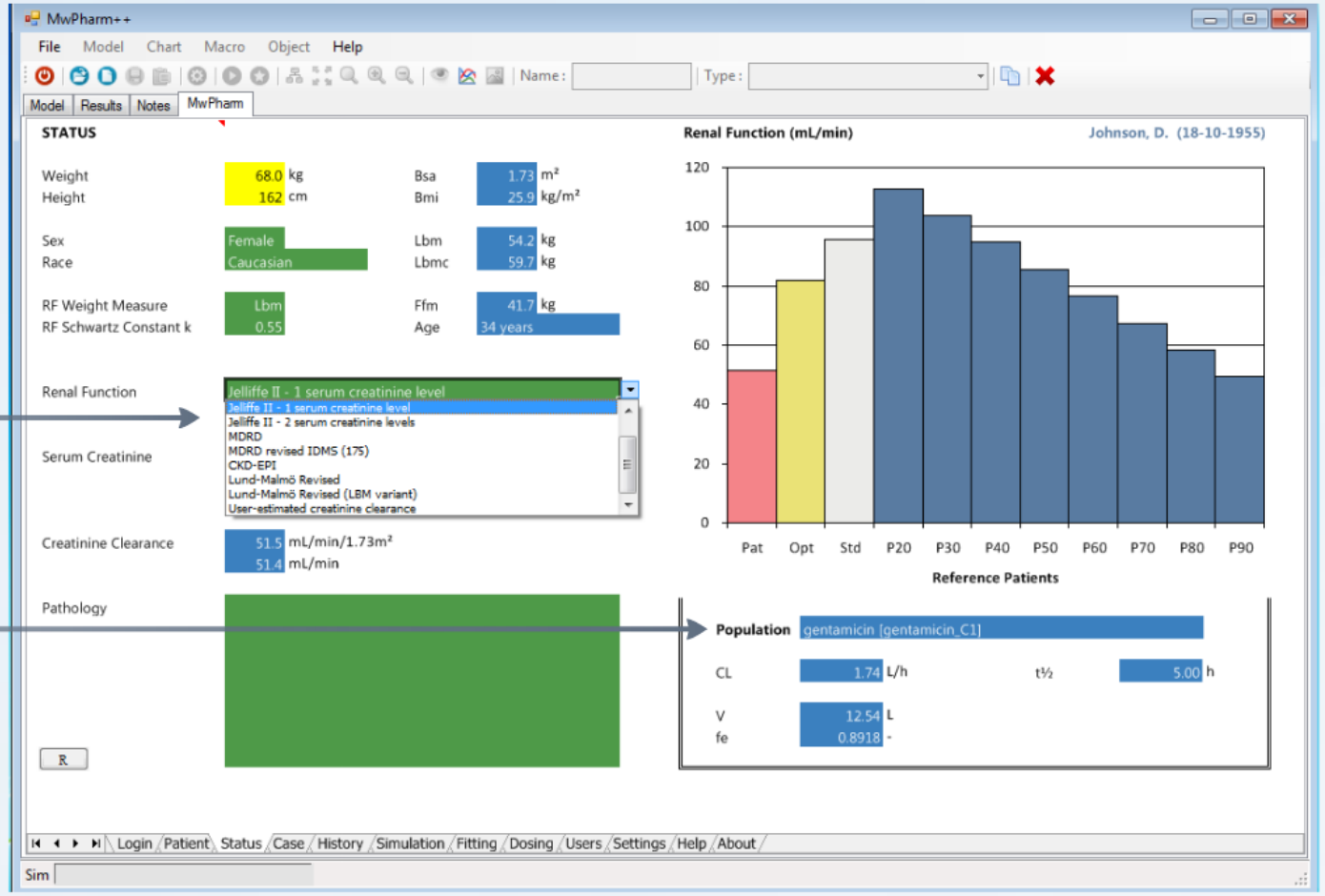
Status tab

After selecting a patient, you can fill in the physiological patient parameters in the Status tab.

Select for example: the Renal Function of the patient

You can also see a small summary of the Population model here



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Manage cases of patients with ease

After selecting a patient:

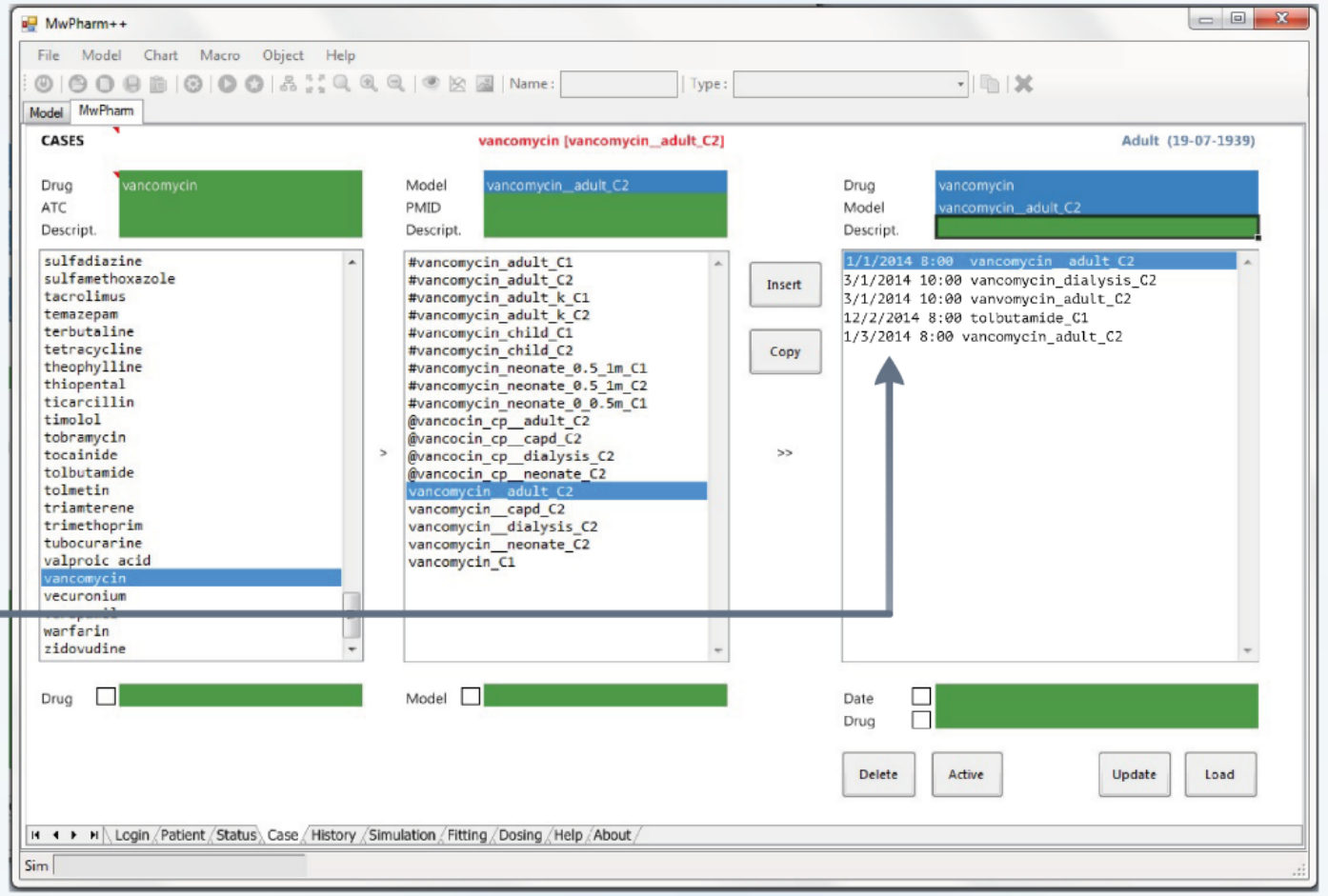
Select one of the 175 drugs and one of the 285 population models

Click on *Insert* to create a Case

You can add as many cases to the same patient as you prefer.

In MwPharm DOS it was common to create an additional record of the same patient (and include date and/or patient number in the name of the record) for creating a new dosing regime.

The benefit of creating Cases is that the list of patients under Patient tab will contain only unique patients.



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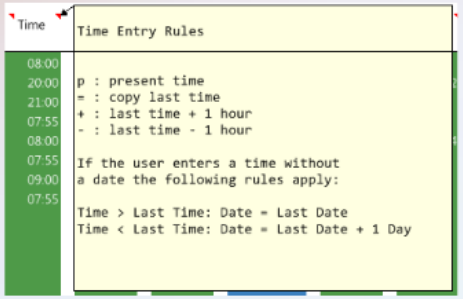
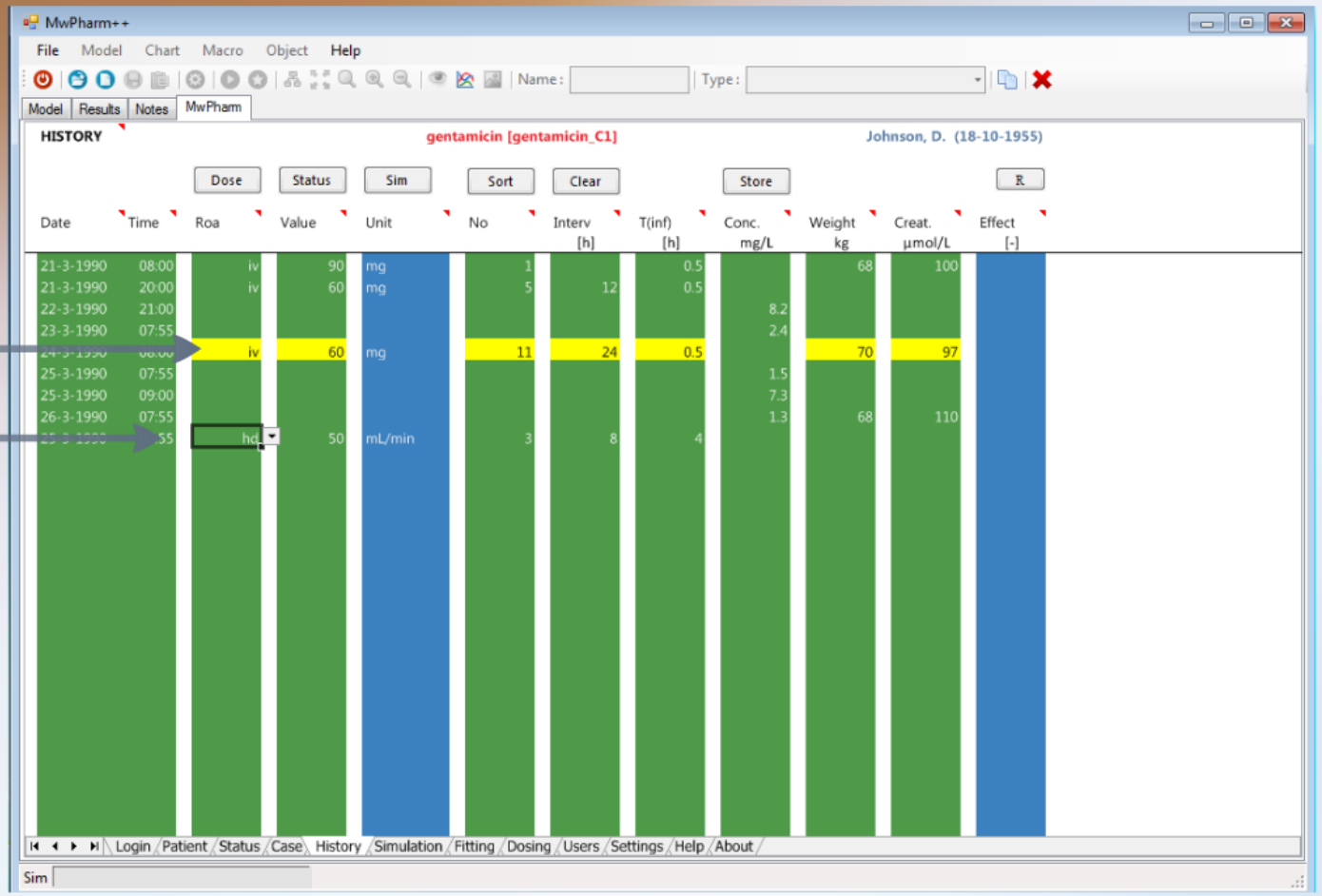
The approach to TDM you are familiar with

You can still deselect a row using the Space bar on the keyboard.

Hemodialysis can also be added.

You can find the familiar shortcut keys under the red triangles.





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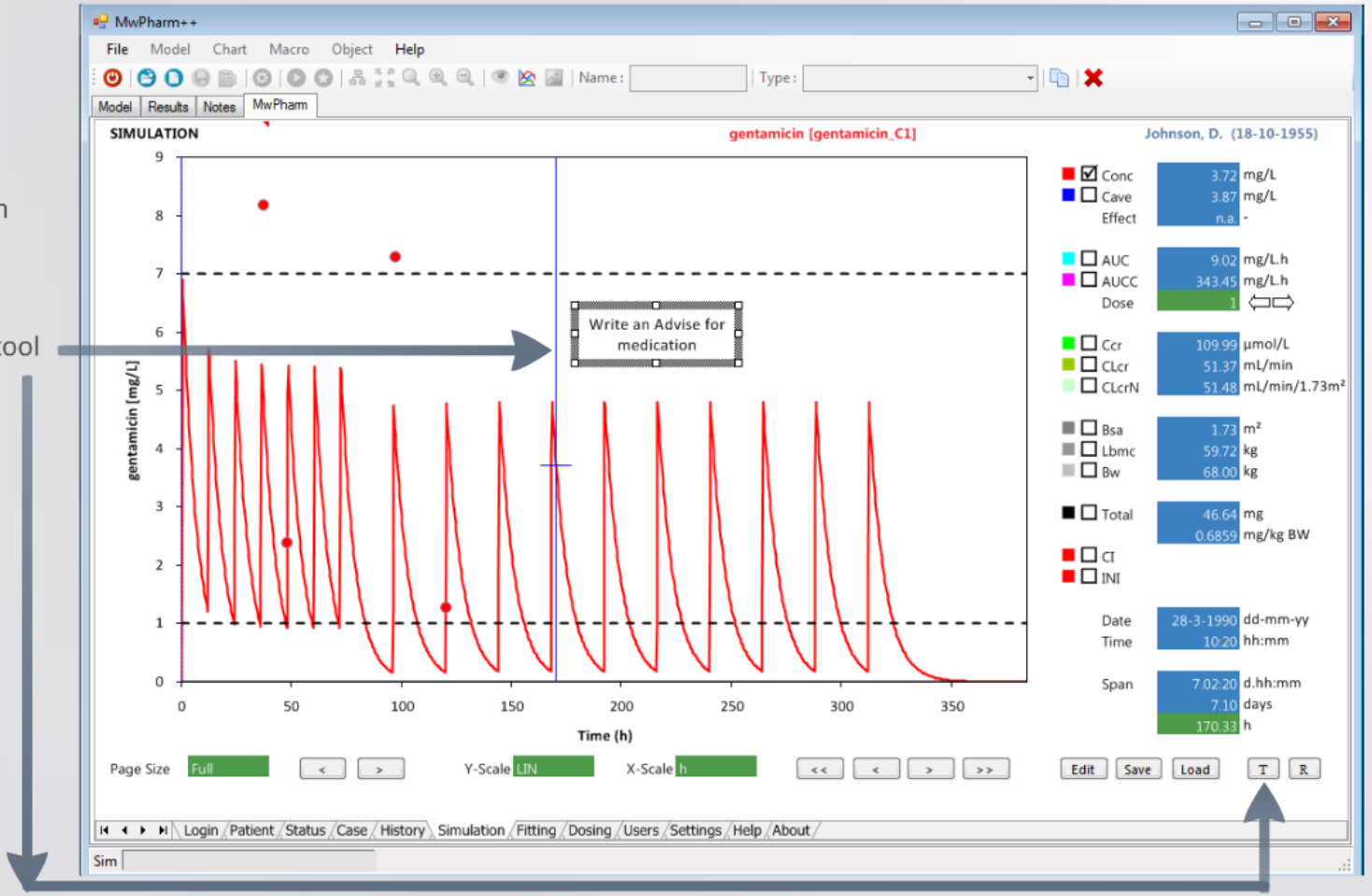
Simulation tab

Generate a simulation based on the Dosage regimen created in the History tab.

Create an advise with the Text tool



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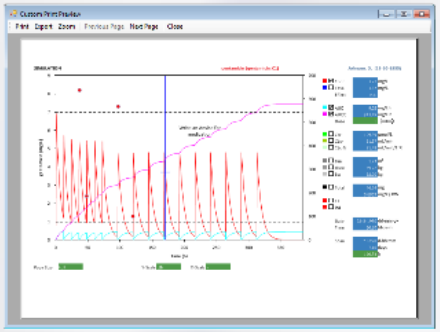
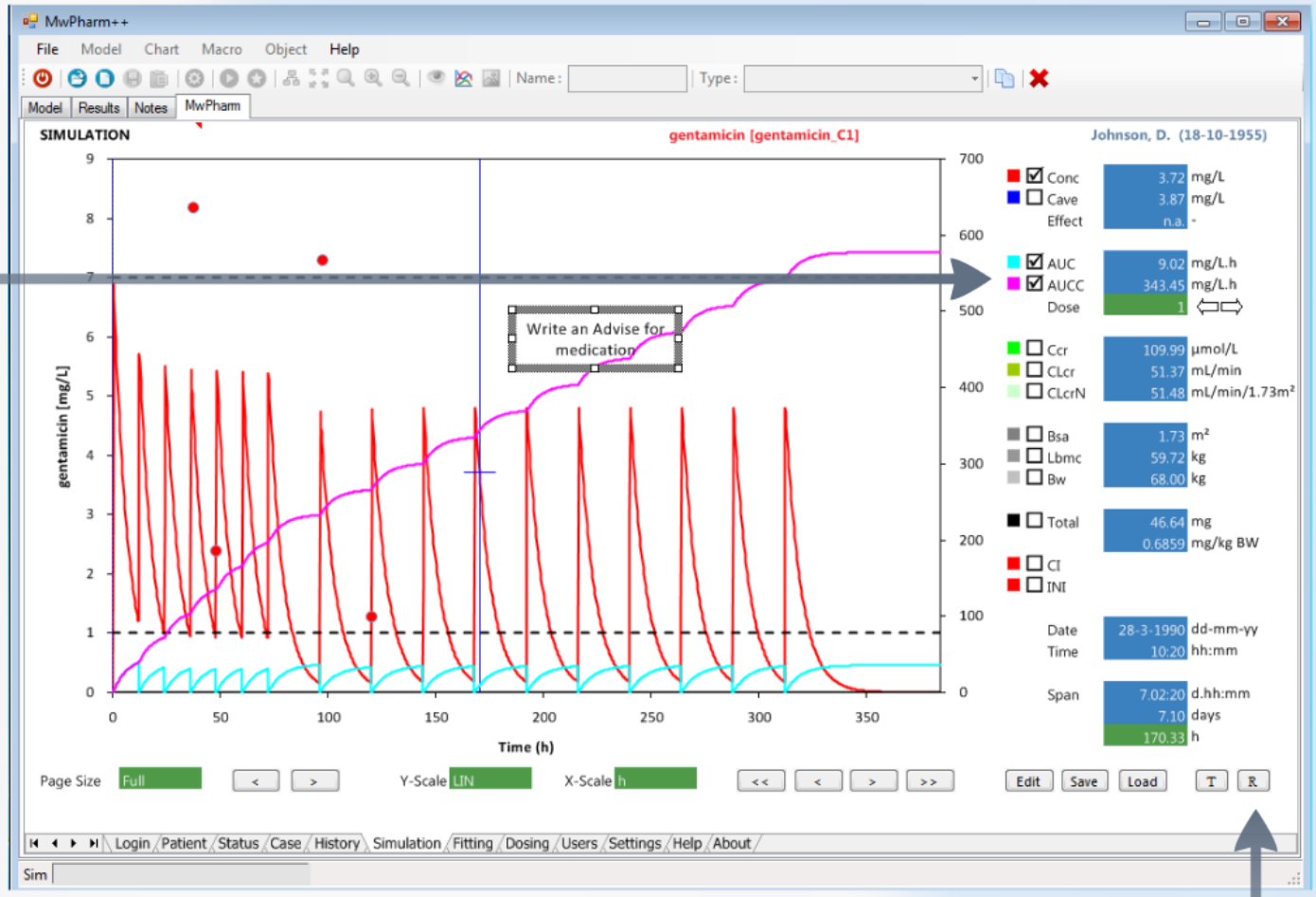
Simulation tab

Toggle check boxes to show other parameters such as Area Under Curve and Area Under Curve Cumulative.



Generate a Report (via R button). This can create a PDF that can be saved, printed, e-mailed et cetera.



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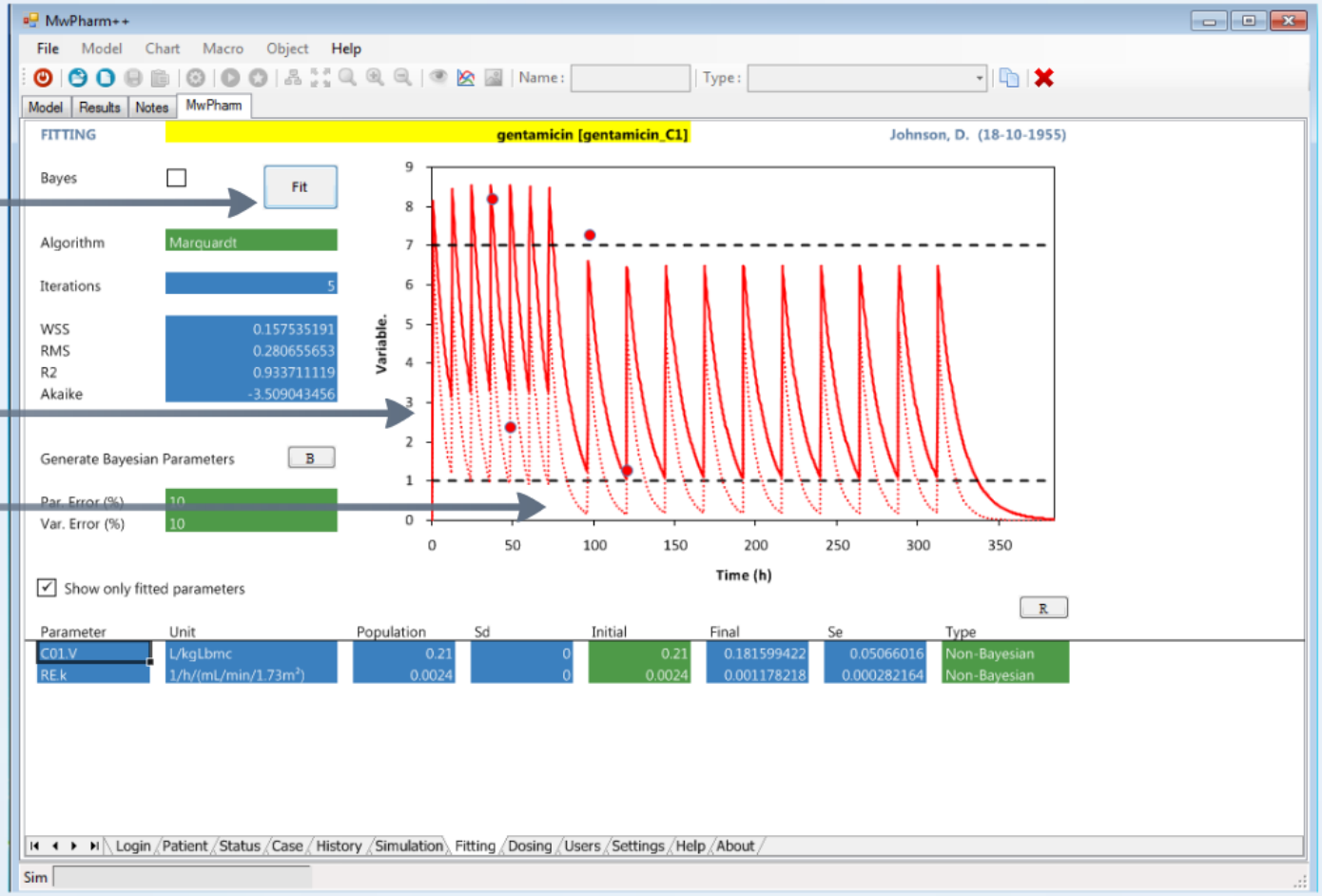
Fitting tab

Generate a Fitting

See the difference between the unfitted simulation and the fitted simulation.

The unfitted simulation



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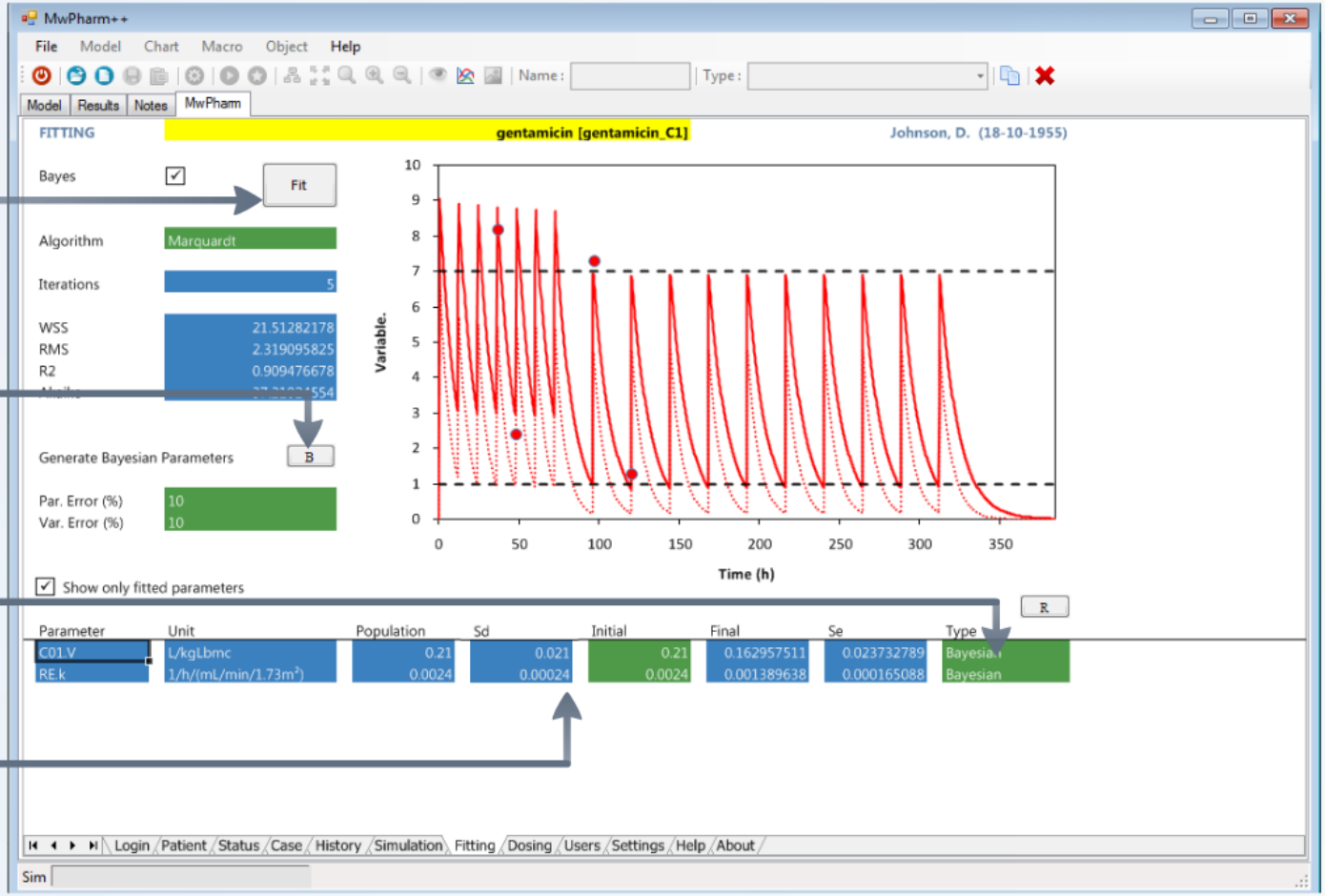
Fitting tab

3. Lastly, press Fit to generate a Fitting with Bayesian Parameters included.

1. Generate Bayesian Parameters

2. After generating the Bayesian Parameters, set type to Bayesian.

Standard Deviation (SD)
This is what the Bayesian Parameters will generate based on the population model.



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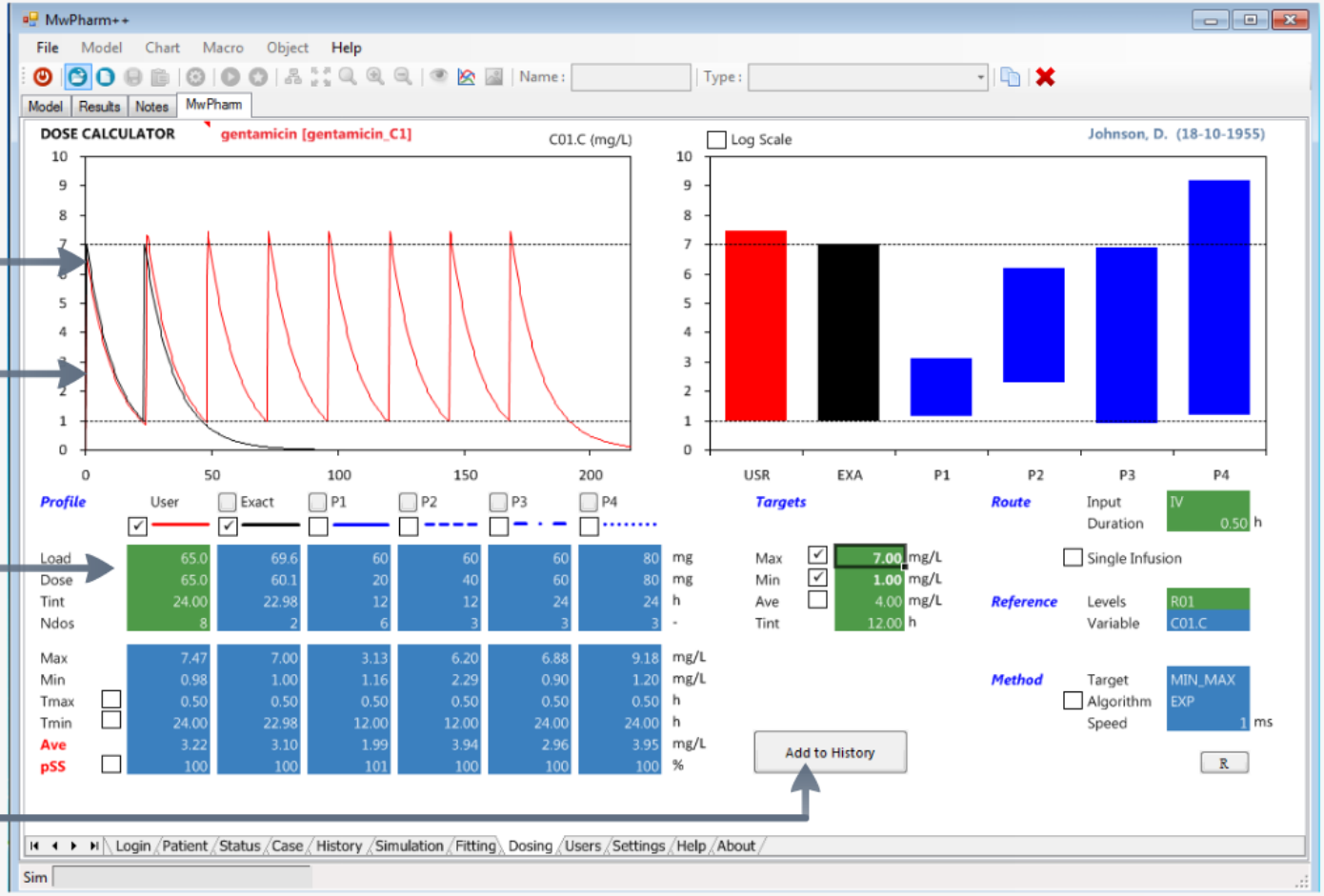
Dosing tab

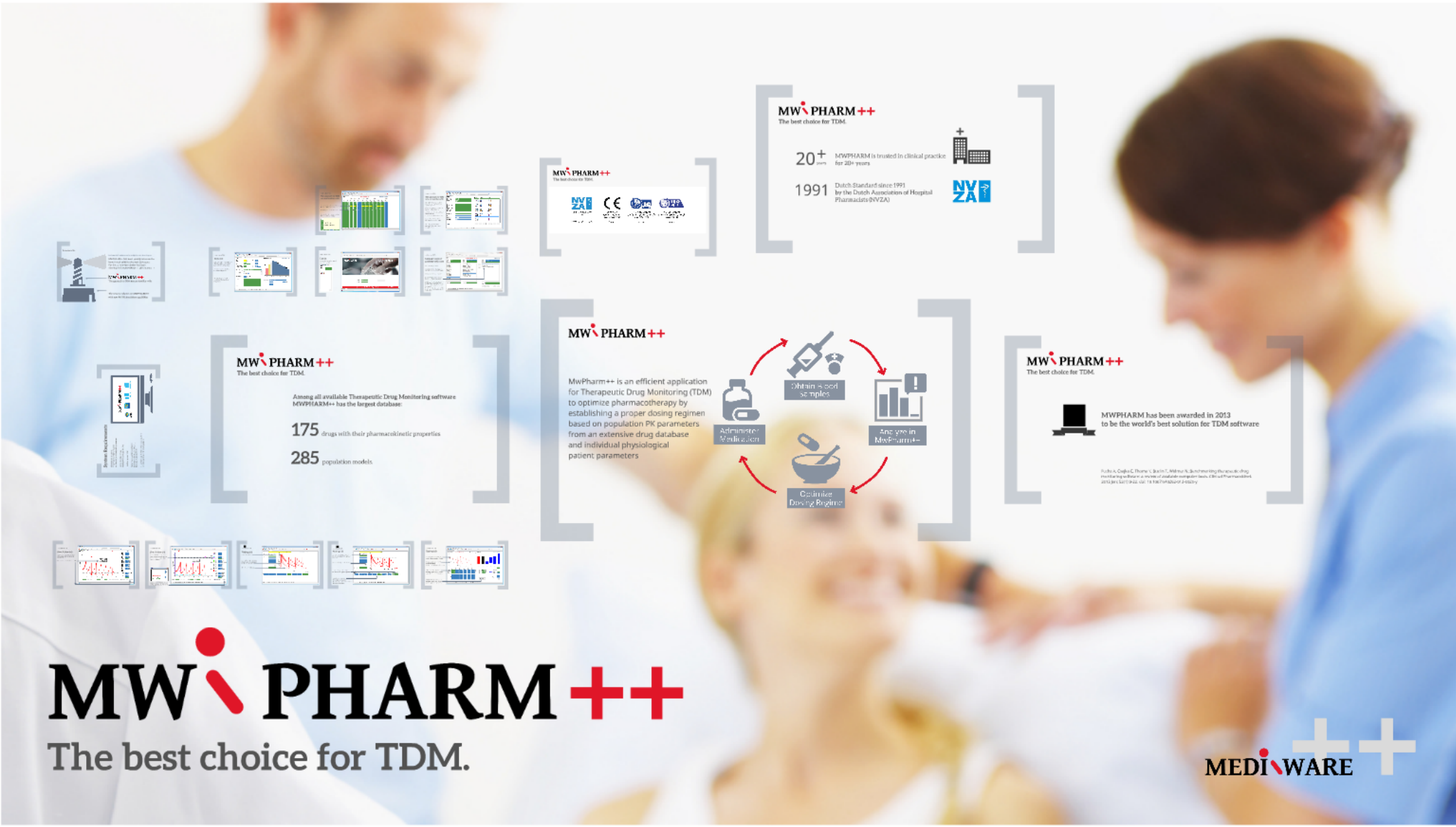
Generated optimized dosing regime (black) based on Fitting.

Dosing regime (red) based personal settings.
(in this case: 24 hourse, 8 dosages)

Change dosing regime to preferred settings. In this case: every 24 hours and 8 dosages.

Add the dosage regime with preferred settings to History (will be added to a new row).

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