

HEMOPHILIA LIFESTYLE APP



The *Hemophilia Lifestyle App* is a flexible application that allows patients (and caregivers of patients) to:

- Create and manage profiles for themselves or multiple family members
- Record new bleeds and track ongoing bleeds from onset to resolution
- Track treatments with multiple factor products and link treatments to specific bleeds. Add details on other treatments, such as R.I.C.E. and supportive medications
- Record “activity and life” scores, including general health, level of pain, and loss of productivity (work/school)
- Review monthly bleed, treatment, and daily life reports, and email reports to themselves and their healthcare providers
- Additional features allow for:
 - ✓ Enhanced security—remote device purging and restoration
 - ✓ Enhanced reminder support—prophylaxis dosing alerts

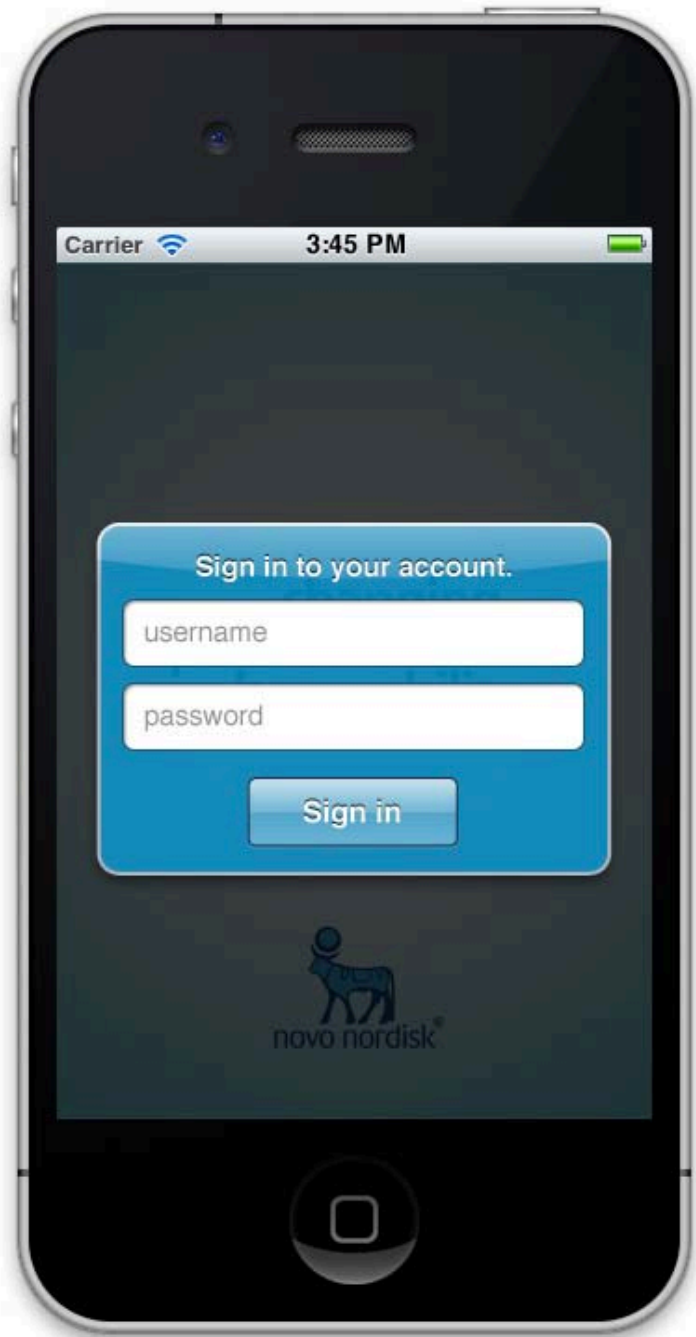
The following pages will take you through the 5 sections and key features of the Hemophilia Lifestyle app.



Splash Screen

Program opens with Splash screen that ultimately leads to a sign-in screen.

The app will be offered free to registered users of the “Changing Possibilities in Hemophilia” program (registration step 1). Users must also complete a second registration specific to the app itself. All registration data will be protected with SSL to ensure HIPAA compliance and protection of user information.



Sign-In Screen

Once registered, the designated “administrator” will have the ability to create a single patient profile or manage multiple patient profiles for the family. Users will be granted access to their profiles upon logging into the app with a specific username and password. Credentials will be validated against the user database.

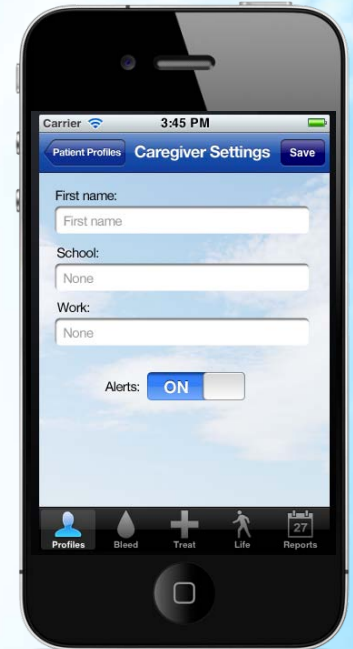
1. Home Patient Profiles

Caregiver settings



Caregivers can select a current patient profile by tapping on patient, or add a new patient profile by tapping the + sign.*

Caregiver Settings
Caregivers can set their own school and work details in order to track their own "Life" scores (see pg 36) in addition to their patient's.



*Patient users will go directly to the home/profile screen (page 7) on entry.



1. Home New Profile/ Profile Edit

Choose a saved photo from device

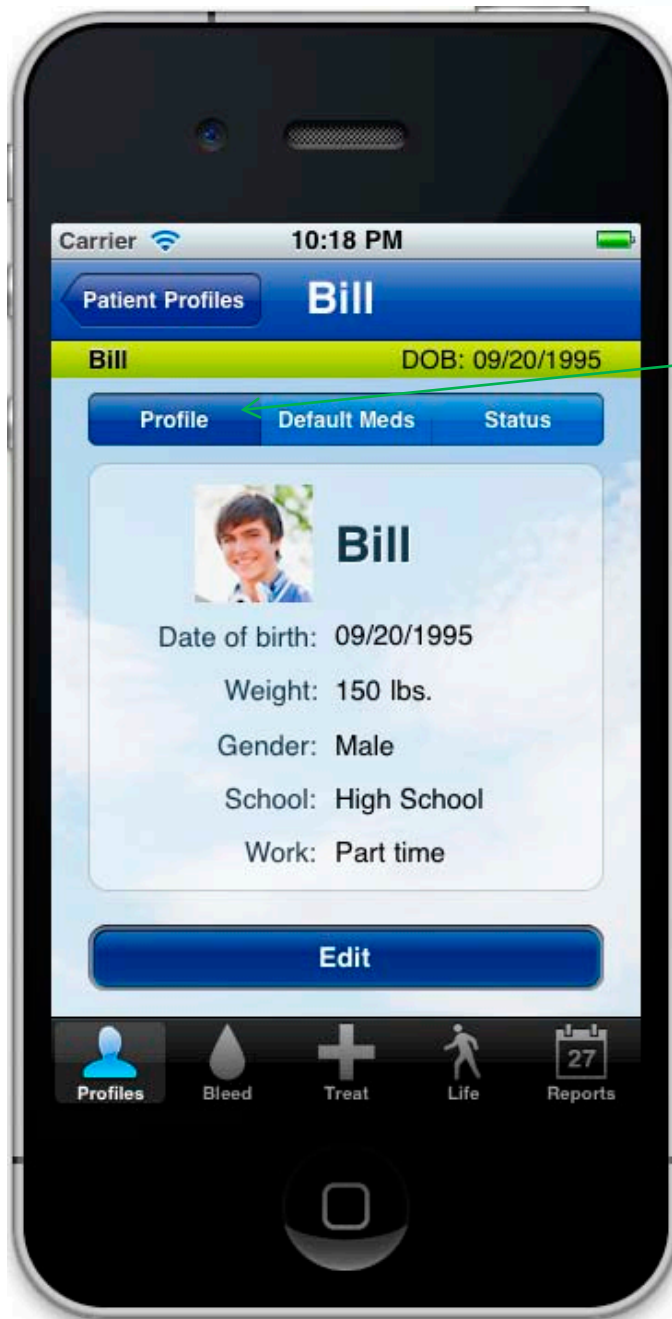
Enter Name via text keypad

Enter Date of Birth via date picker

Enter Weight via number pad

Enter School via picker (None, Pre-,
Elementary, Middle, High, College, Post-grad)

Enter Work via picker (None, Part time,
Full time)

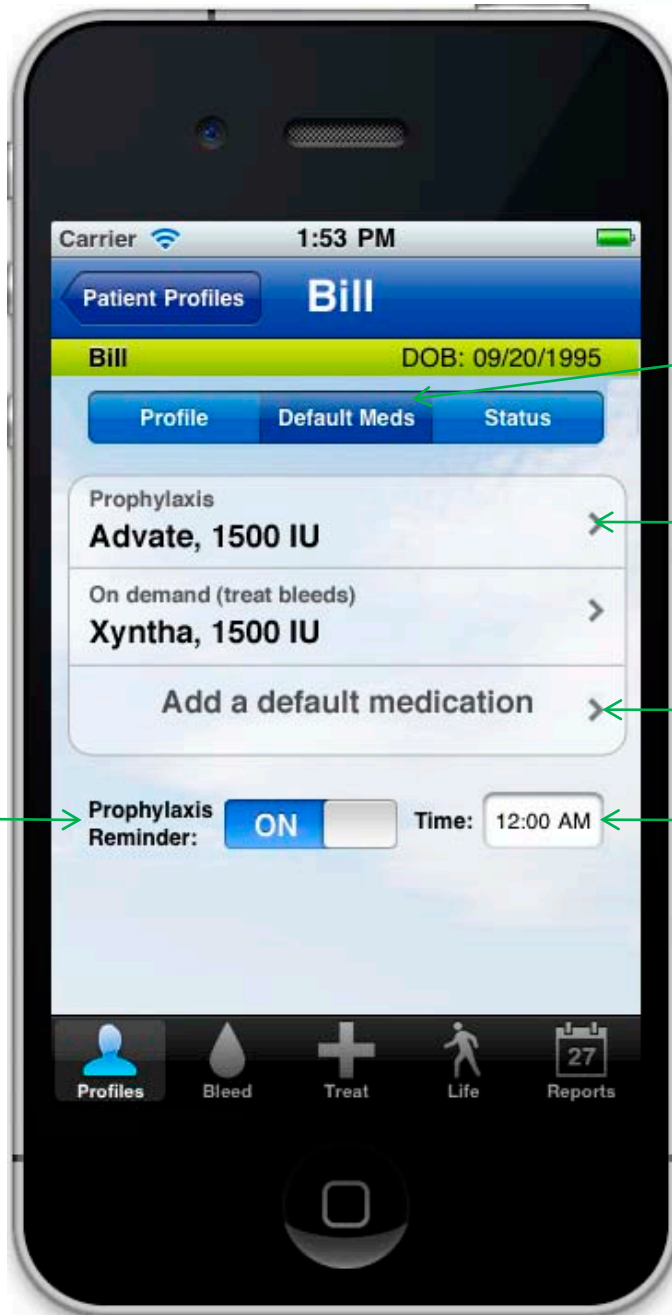


1. Home Selected Profile

Once a patient's profile is accessed, users can "Edit" the profile, check their "Status" (recent activity), or set/edit "Default Meds."

Pages 8-13 show the process for adding different types of medications to the patient's list of "Default Meds".

1. Home Default Meds



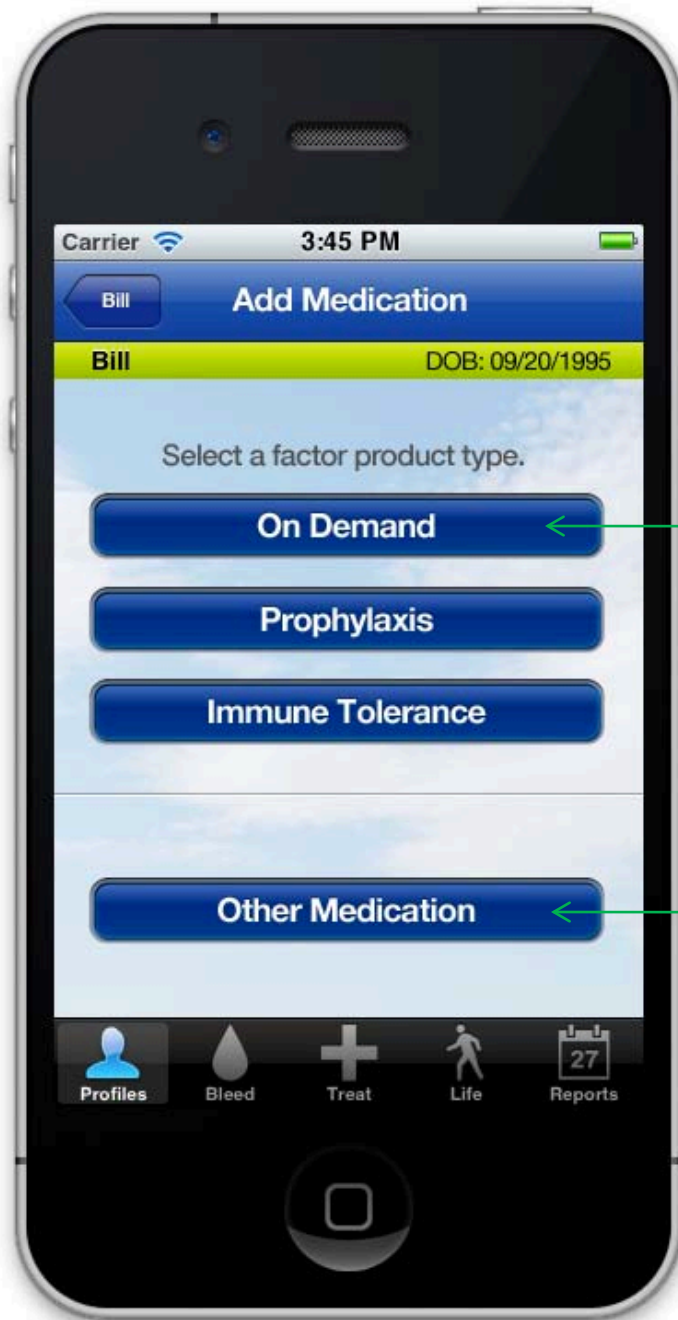
Default Medications, organized by treatment type, appear on the "Default Meds" home screen.

Tap on a saved default medication to edit that medication.

Tap on "Add a default medication" to enter a new medication (see next page).

Set/edit reminder time for Prophylaxis medications.

Toggle dosing reminders on or off



1. Home Default Meds— Add Medication

Tap one of 3 factor product types to enter default medication details. Users can enter multiple factor products and types.*

Tap on “Other Medication” to enter the medication details for non-factor products (see pg 13).

*Note that medication entry for “On Demand” and “Immune Tolerance” products is the same. An example of “On Demand” medication entry is shown on pg 10.

1. Home Default Meds— On Demand

Enter dose via
number pad.
Classification
(IU, U, mg)
changes
according to
product.

Final infusion
details are
added via
single-choice
buttons.

Carrier 1:36 PM

Back On Demand Save

Bill DOB: 09/20/1995

Medication:
Xyntha

Total dose:
1500 IU

Infused most commonly at:
Home School HTC

Infused most commonly by:
Patient Caregiver Nurse

Profiles Bleed Treat Life Reports

The "Medication"
text field auto-fills
to one of the
factor products
in Attachment A
(see pg 40).

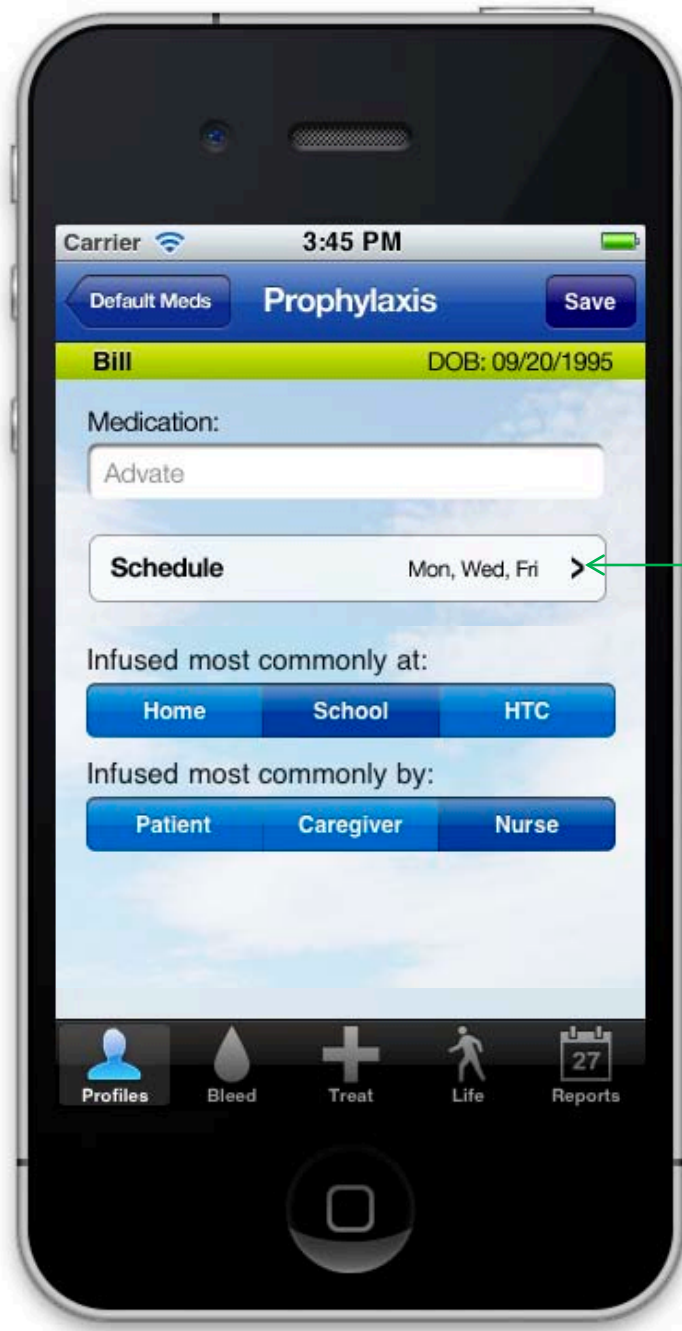
Back On Demand Save

Bill DOB: 09/20/1995

Medication:
Xy

Xyntha

Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
. ? 123 space Done

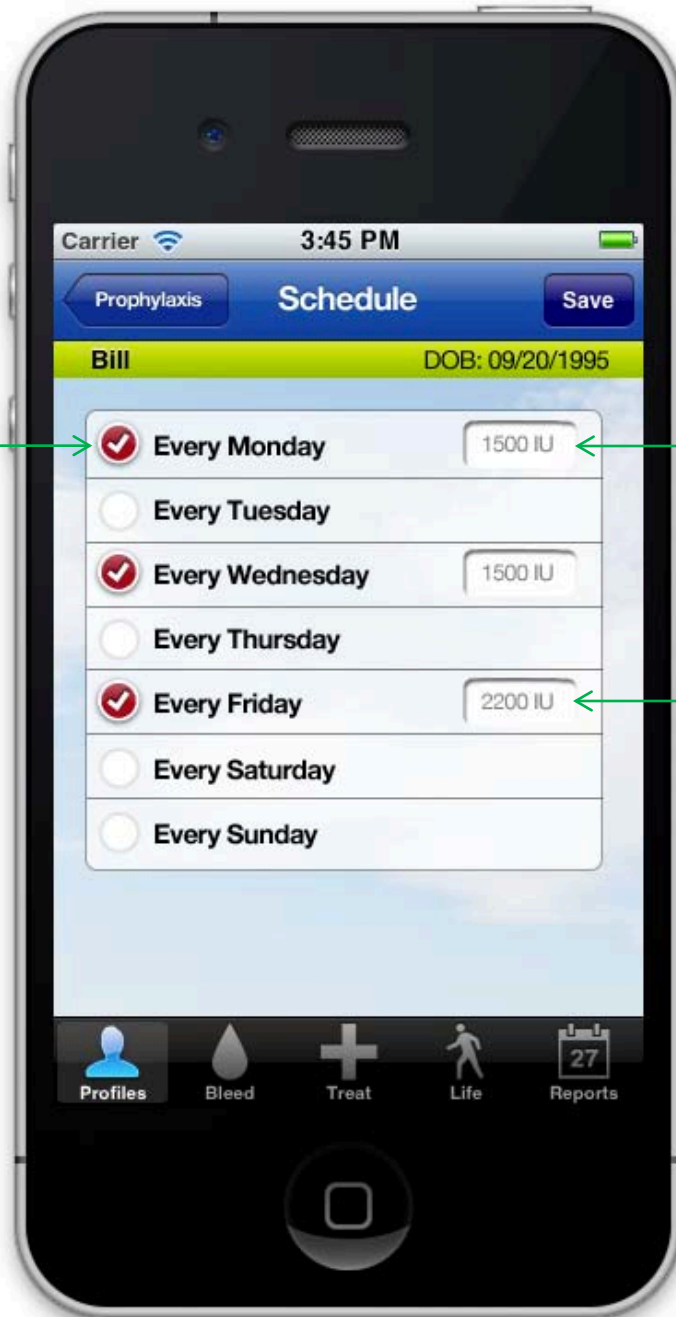


1. Home Default Meds— Prophylaxis

When adding a “Prophylaxis” medication, users can select the days they are scheduled to infuse (see next page).

1. Home Default Meds— Prophylaxis (cont'd)

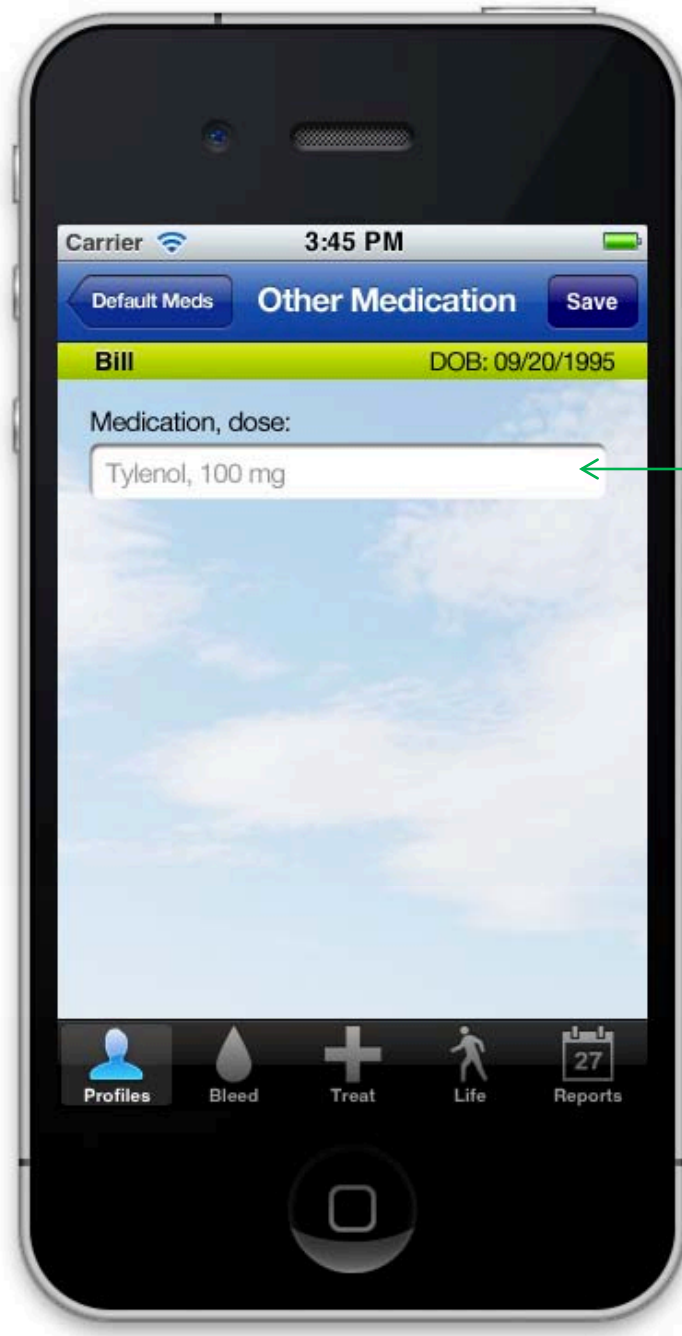
Select days
Prophylaxis
medication
is taken.



Once dose is entered, it auto-fills for
other days.

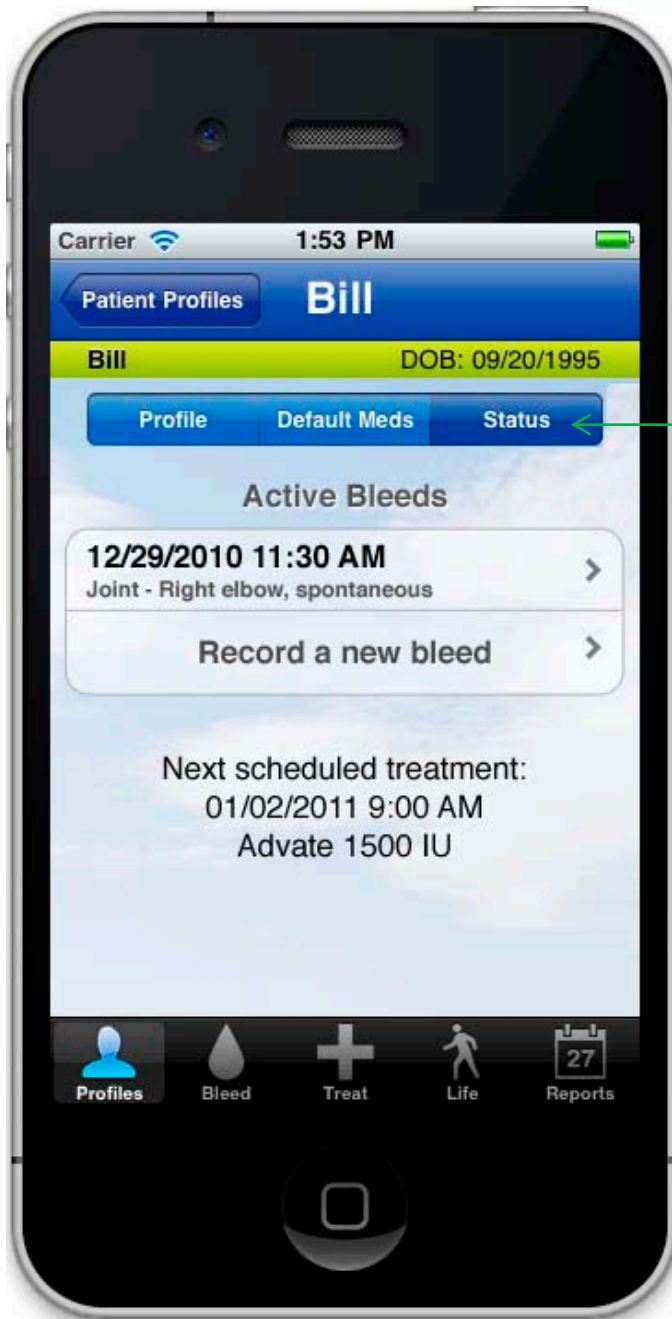
Users can edit dose fields for
individual days (eg, higher dose to
cover weekend).*

*When recording Prophylaxis infusion
in "Treat" section (see pg 26), program
defaults to correct dose for that day.



1. Home Default Meds— Other Medications

“Other Medications” are completed with a simple free text field (medication name, dose). Text does not auto-complete.



1. Home Status

The "Status" home screen shows the patient's most recent activity (eg, recent bleeds, infusions).



2. Bleeds

Record a New Bleed

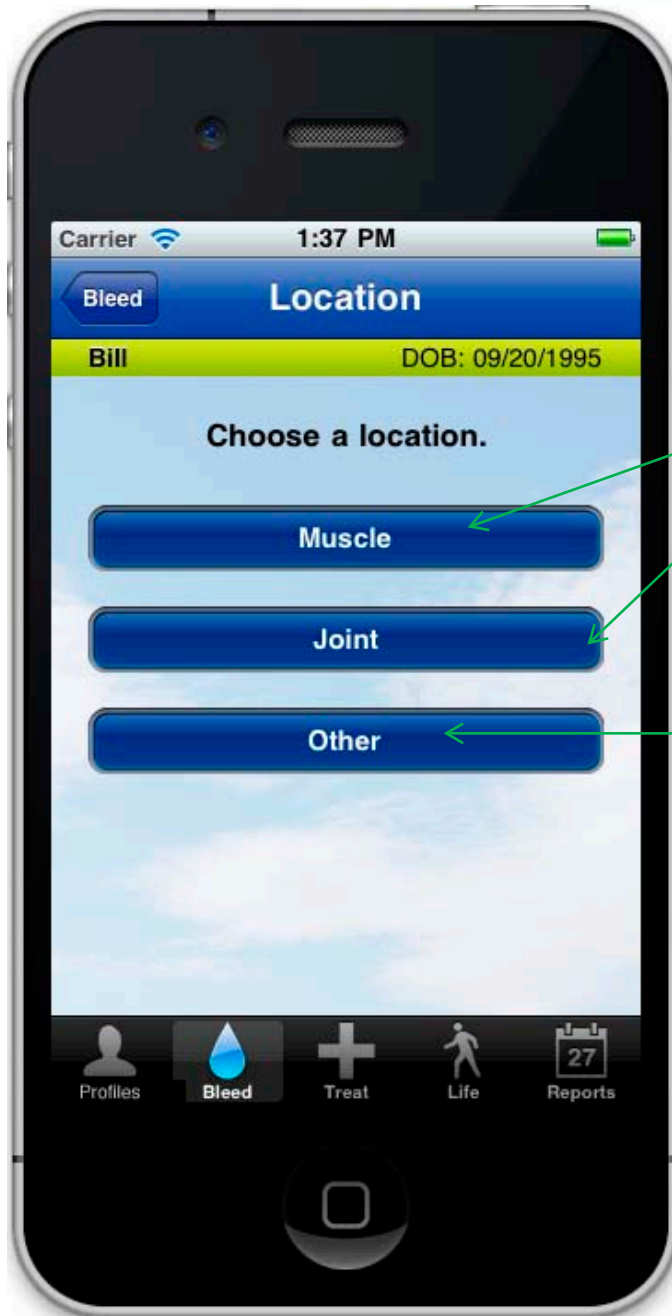
A list of "Active Bleeds" and "Recently Resolved Bleeds" appear on the Bleeds Intro screen.

Pages 16-19 show the process for recording a new bleed.

Tap on a "Recently Resolved Bleed" to view bleed and resolution details.

2. Bleeds

Record a New Bleed

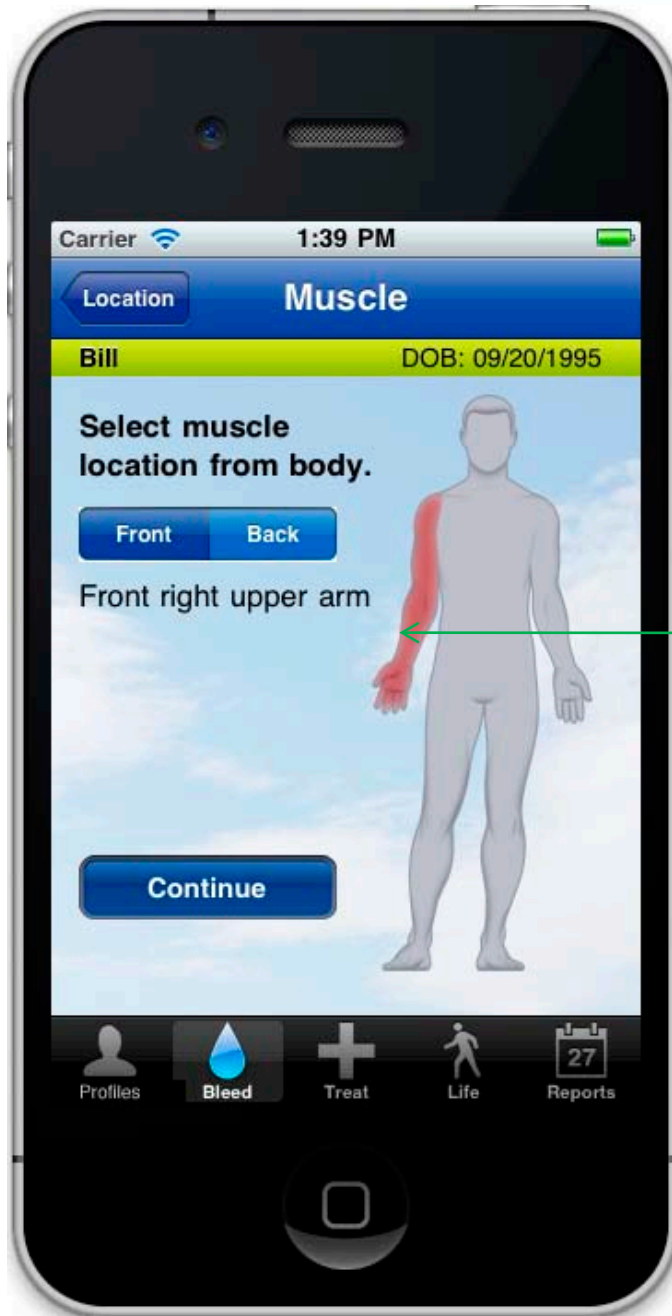


Tap "Muscle" or "Joint" to launch a body map screen where you select bleed location.

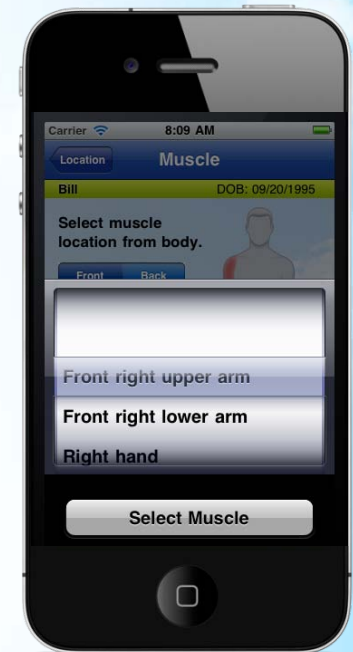
Tap "Other" for a picker (below) that includes bleeds other than muscle or joint. Tapping "Other" from picker opens a text field that allows users to enter a different bleed location.



2. Bleeds Select Bleed Location



Tap on body map (front/back) to select bleed location. Body selection is followed by a detailed picker.*



*See complete list of muscle and joint bleed locations in Attachment B on pages 41-42.

2. Bleeds

Confirm Bleed Onset

Carrier 1:42 PM

Muscle Onset

Bill DOB: 09/20/1995

Was the bleed...

Spontaneous Traumatic

Do you know when this bleed started?

Yes No

Please enter date/time it started below:

01/01/2011 10:00AM

*If uncertain, please use current date/time.

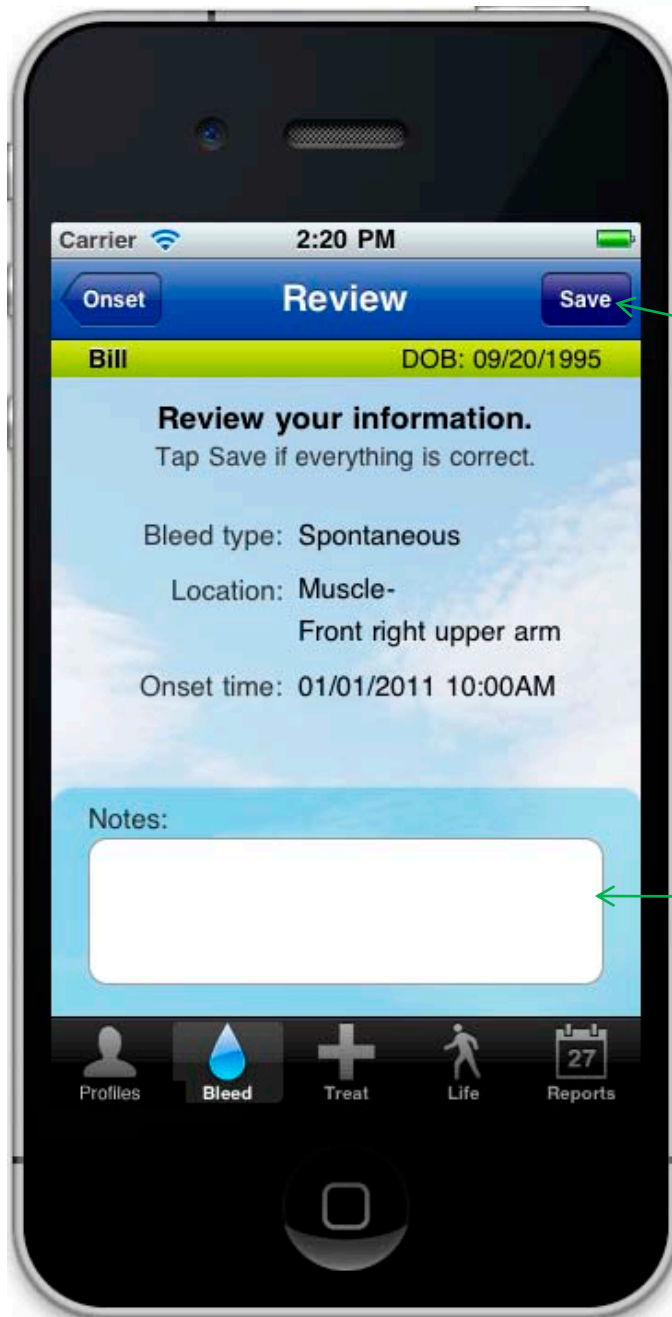
Continue

Profiles Bleed Treat Life Reports

Select bleed type and certainty of onset date/time via either/or buttons.

Onset defaults to current date/time. Edit date/time of onsite via picker.

Thu Dec 30	8	58	
Fri Dec 31	9	59	
Sat Jan 1	10	00	AM
Sun Jan 2	11	01	PM
Mon Jan 3	12	02	



2. Bleeds

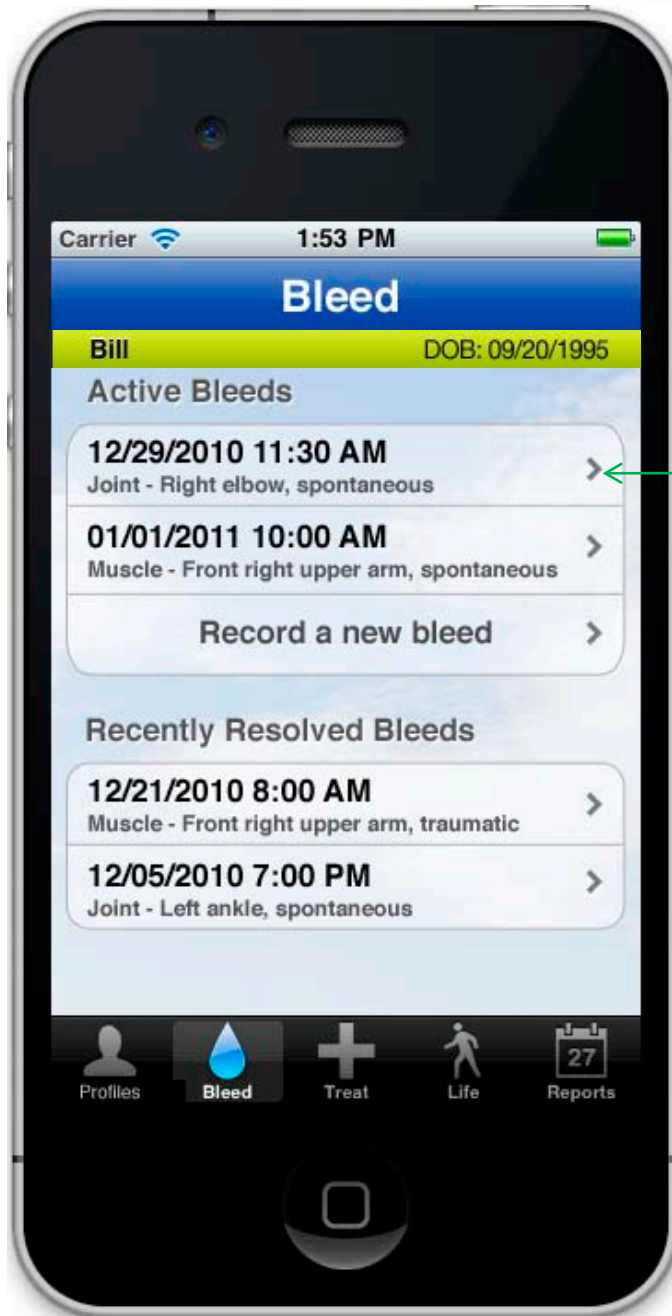
Review New Bleed

After reviewing the information, tap "Save" to move on or tap "Onset" to go back and make changes.

Add to bleed entry with a free text "Notes" field (100 character max). If user answered "No" to certainty of onset time, "Uncertain of date/time" appears in this field.

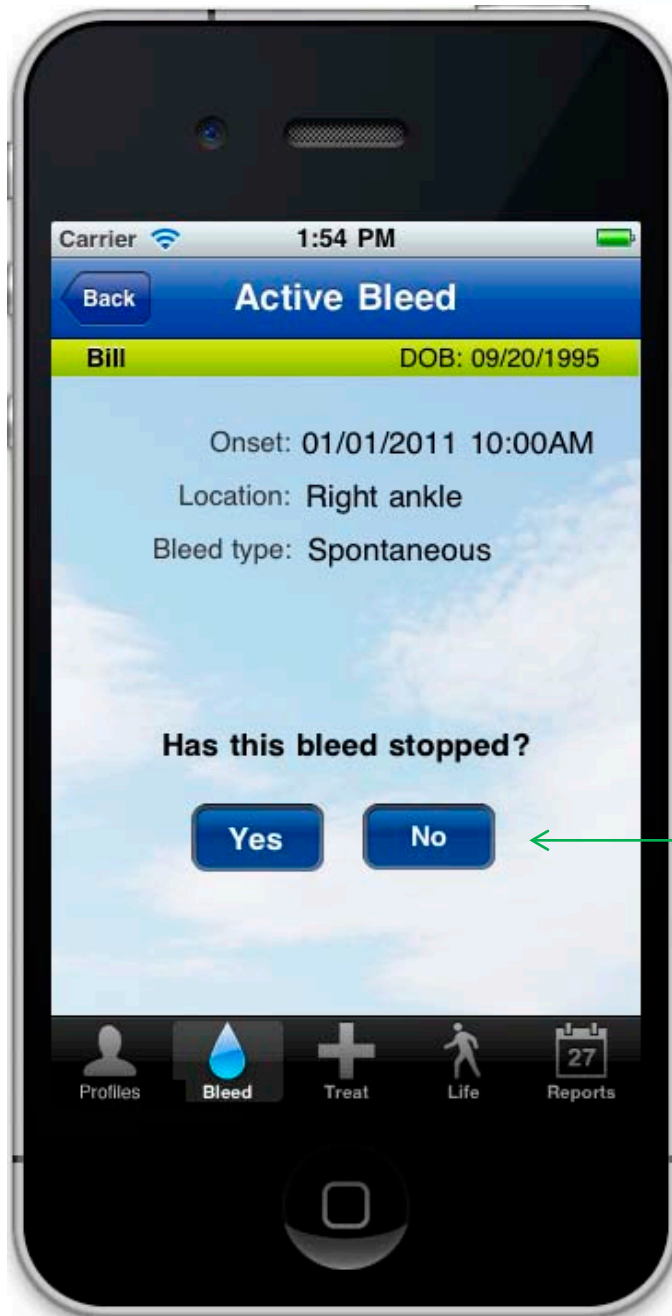
2. Bleeds

Resolve Active Bleed



Tap on an "Active Bleed" to update it. Pages 21-24 show the process for resolving a bleed.

2. Bleeds Confirm Resolution



Confirm resolution by tapping Yes or No.*

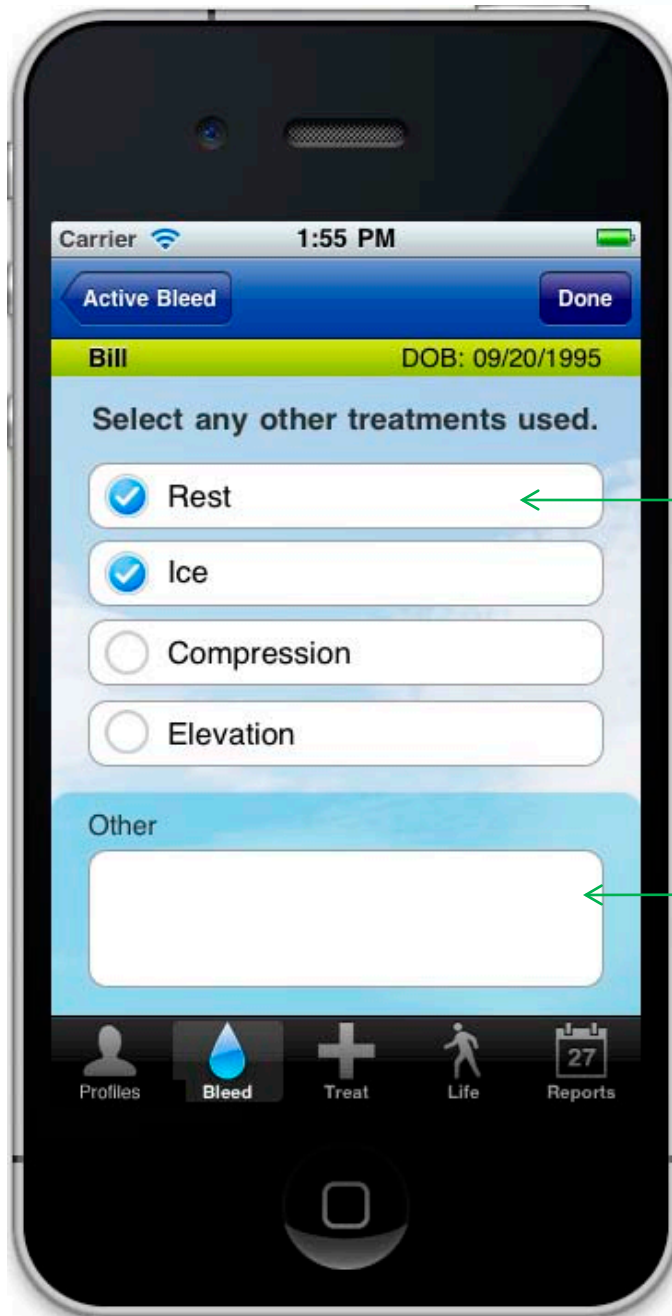
*For "Yes", please see pages 22-24. For "No", users are prompted to return to "Treat Bleed" section, which defaults to previous "On demand" infusion.

2. Bleeds Confirm Time of Resolution

The screenshot shows a mobile application interface for confirming bleed resolution. At the top, the status bar displays 'Carrier', signal strength, '1:55 PM', and battery level. Below the status bar is a blue header with a back arrow and the text 'Active Bleed'. A yellow bar below the header contains the name 'Bill' and 'DOB: 09/20/1995'. The main content area has a light blue background with the question 'Do you know when this bleed stopped?' and two blue buttons labeled 'Yes' and 'No'. Below this is the prompt 'Please enter date/time below:' followed by a text input field containing '01/02/2011 2:00PM'. A note below the input field reads '*If uncertain, please use current date/time.'. At the bottom of the main area is a large blue 'Continue' button. The bottom navigation bar features five icons: 'Profiles' (person), 'Bleed' (water drop), 'Treat' (plus sign), 'Life' (person walking), and 'Reports' (calendar with '27').

Confirm certainty of resolution time by tapping Yes or No.

Defaults to current date/time. Edit date/time of resolution via picker.



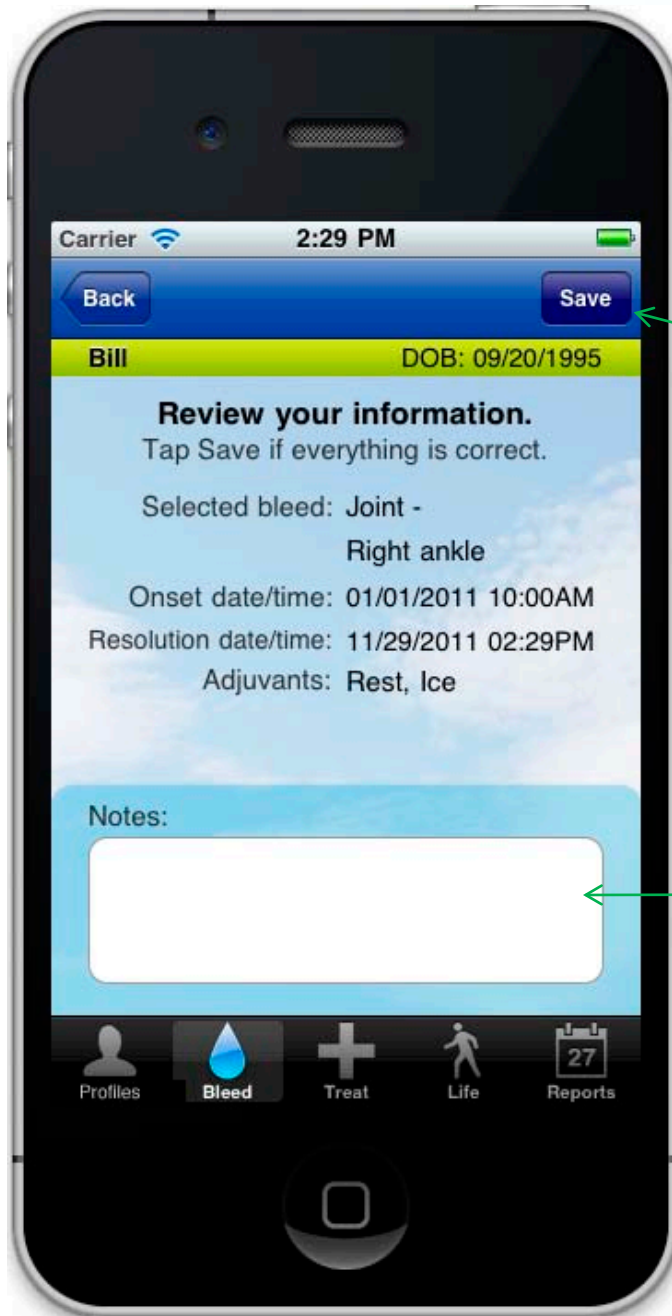
2. Bleeds

Resolve Bleed, Adjuvant Treatments

Use multi-select buttons to add other treatments used.

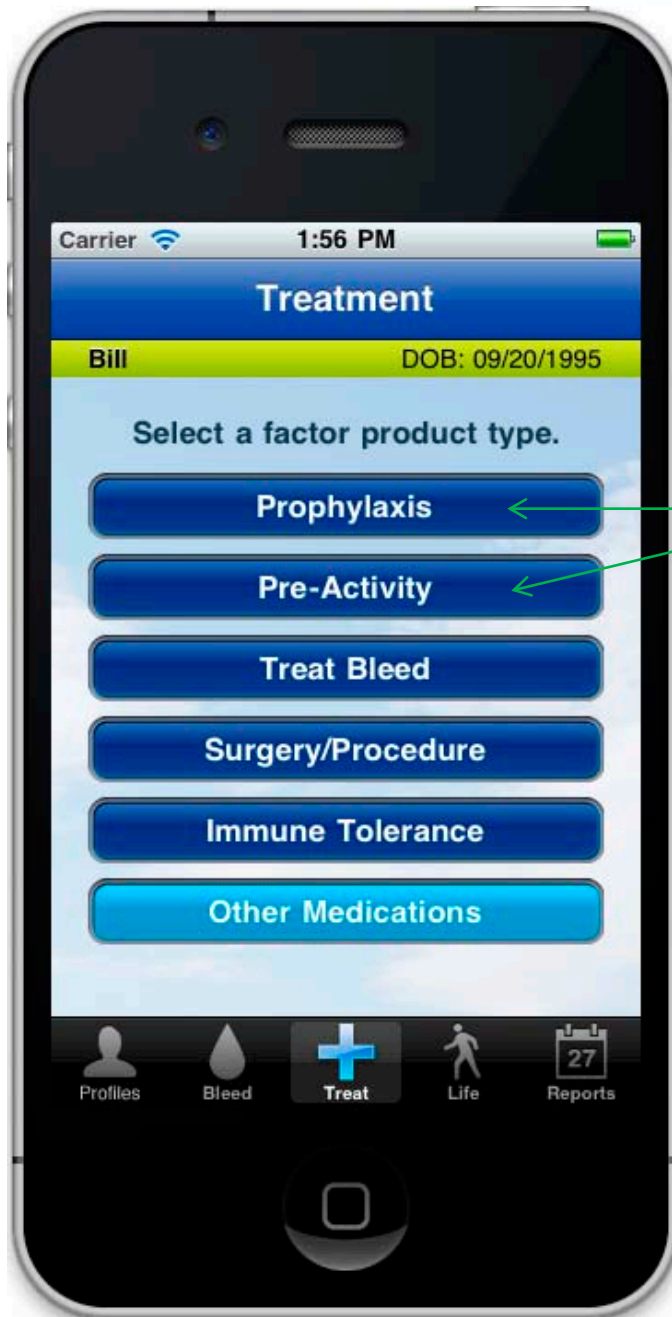
Add to adjuvant treatments with a free text "Notes" field (100 character max).

2. Bleeds Resolve Bleed, Review



After reviewing the information, tap "Save" to move on or tap "Back" to make changes.

If user answered "No" to certainty of resolution time, "Uncertain of date/time" appears in this "Notes" field.

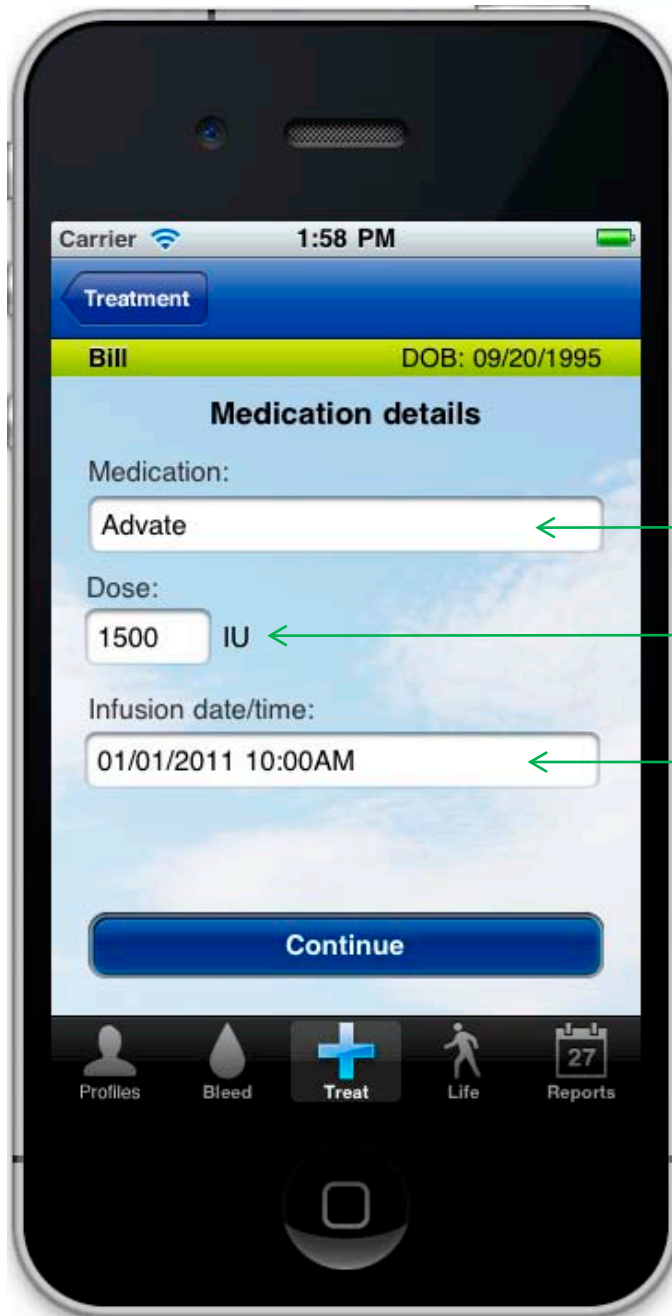


3. Treat Choose Treatment Type—Prophylaxis

Pages 26-27 show how “Prophylaxis” and “Pre-Activity” treatments are recorded.*

*Note: Medication entry is the same for all factor product types so we have not included examples for all factor product types.

3. Treat Prophylaxis Details



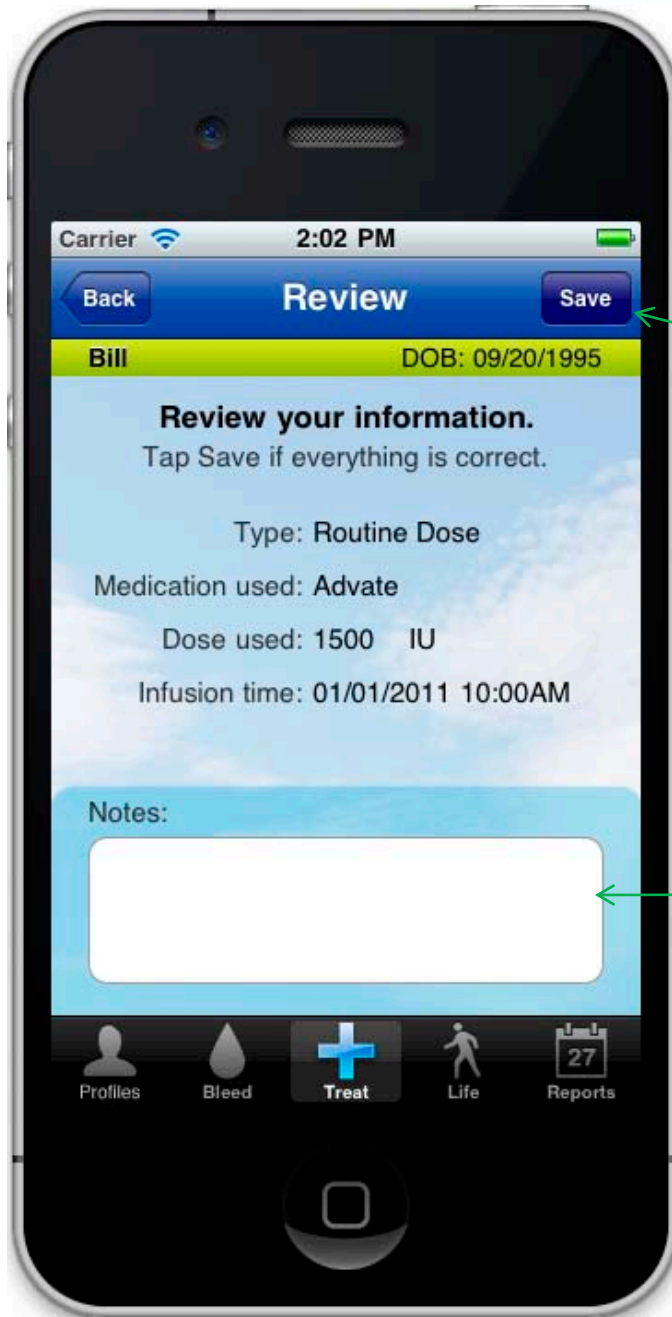
Defaults to Prophylaxis med from profile on first use. Tap any of the fields to edit the information.

On future uses, the most recent meds/doses appear via picker.

Defaults to current date/time. Edit date/time of infusion via picker.

***Note: Medication entry is the same for all factor product types so we have not included examples for all factor product types.**

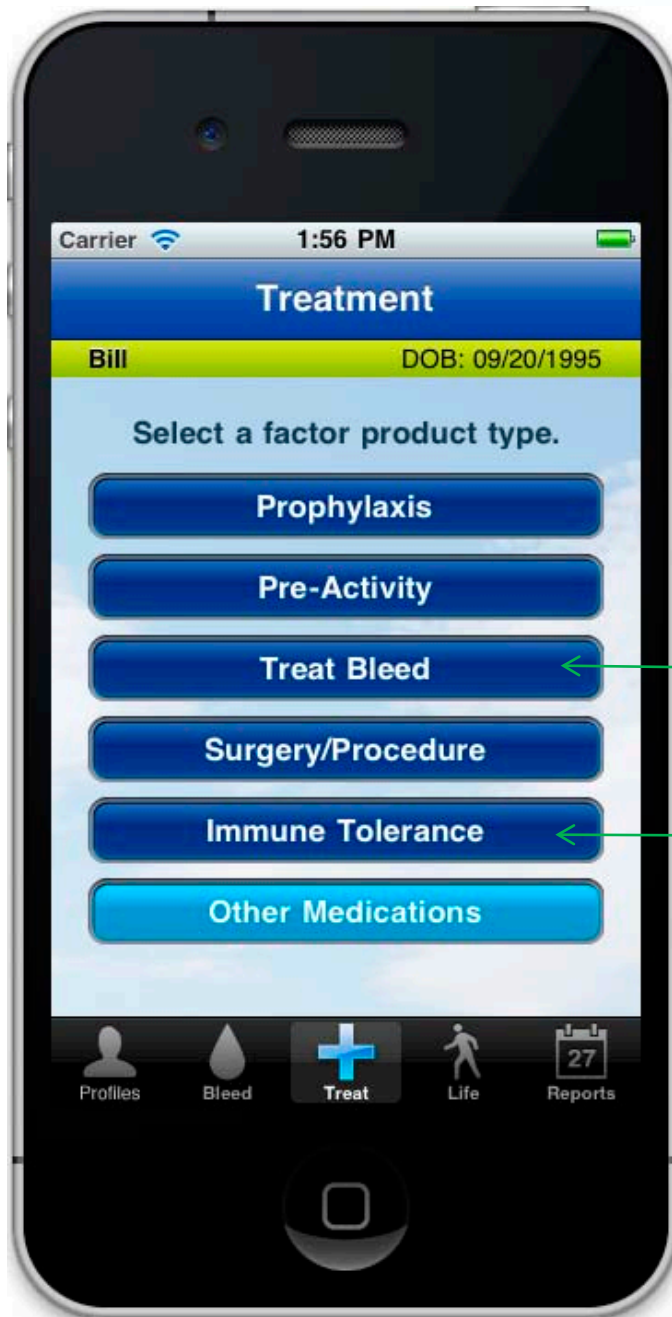
3. Treat Prophylaxis Review



After reviewing the information, tap "Save" to move on or tap "Back" to make changes.

Add to the treatment entry with a free text "Notes" field.

***Note: Medication entry is the same for all factor product types so we have not included examples for all factor product types.**



3. Treat Choose Treatment Type—Treat Bleed

Page 29 shows what appears after tapping "Treat Bleed".

Tapping "Immune Tolerance" takes users to Medication entry screen that is identical to Prophylaxis screen. Defaults to "Immune Tolerance" meds from profile on first use.

3. Treat Treat Bleed



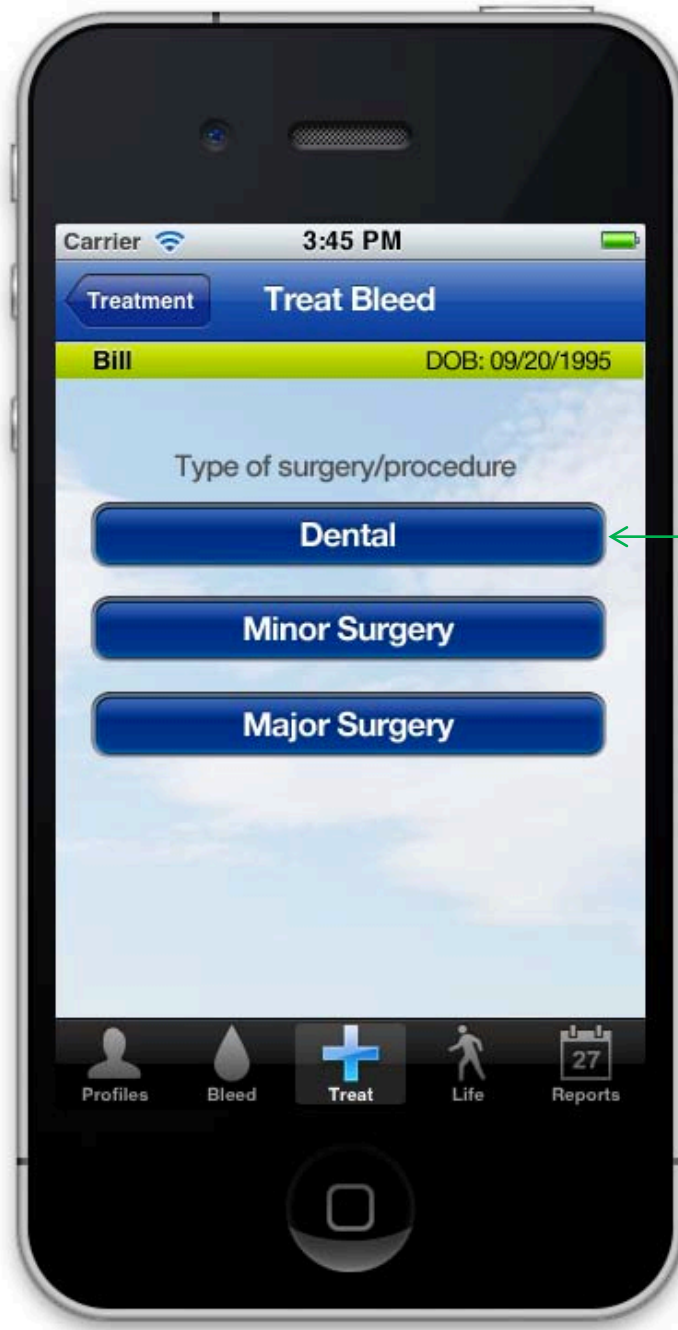
Tap on the active bleed(s) you wish to treat and then tap the "Treat" button. Once recorded, medication entry is the same as Prophylaxis section. Defaults to "On Demand" meds from profile on first use.



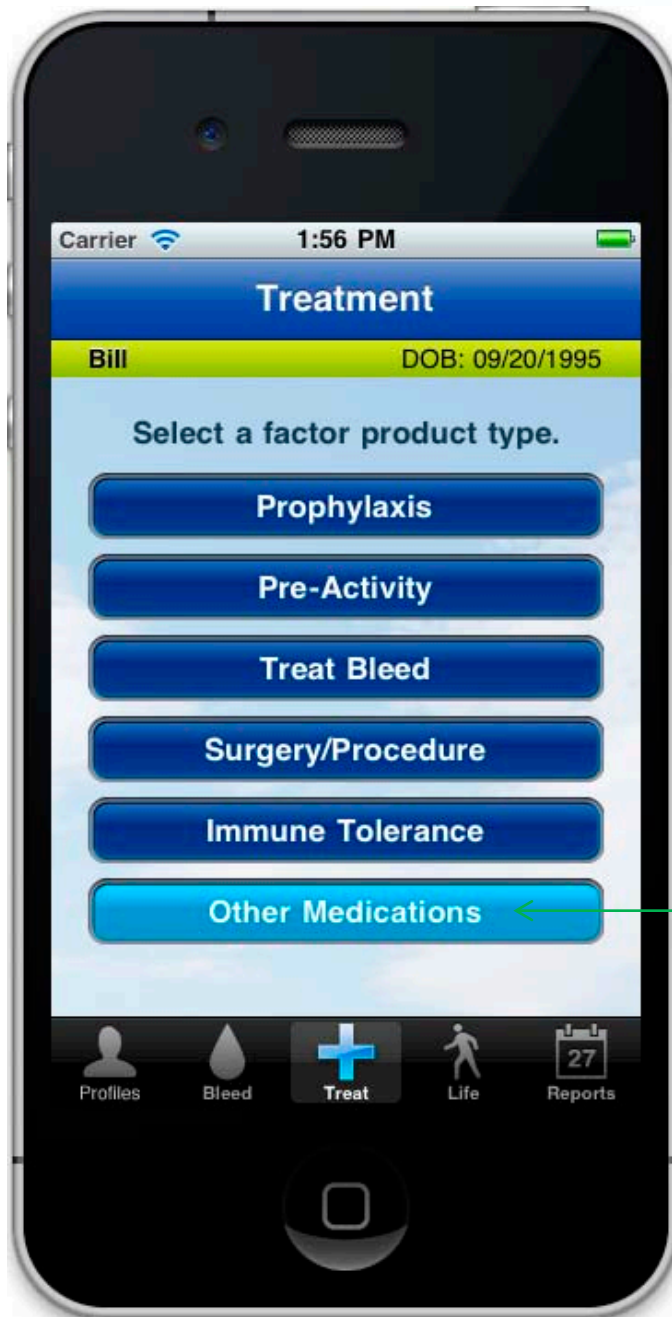
3. Treat Choose Treatment Type—Surgery/Procedure

Page 32 shows what appears after tapping "Surgery/Procedure".

3. Treat Surgery/Procedure



Select type of surgery/procedure via single-choice buttons. Once recorded, medication entry is the same as Prophylaxis section. Defaults to "On Demand" meds from profile on first use.

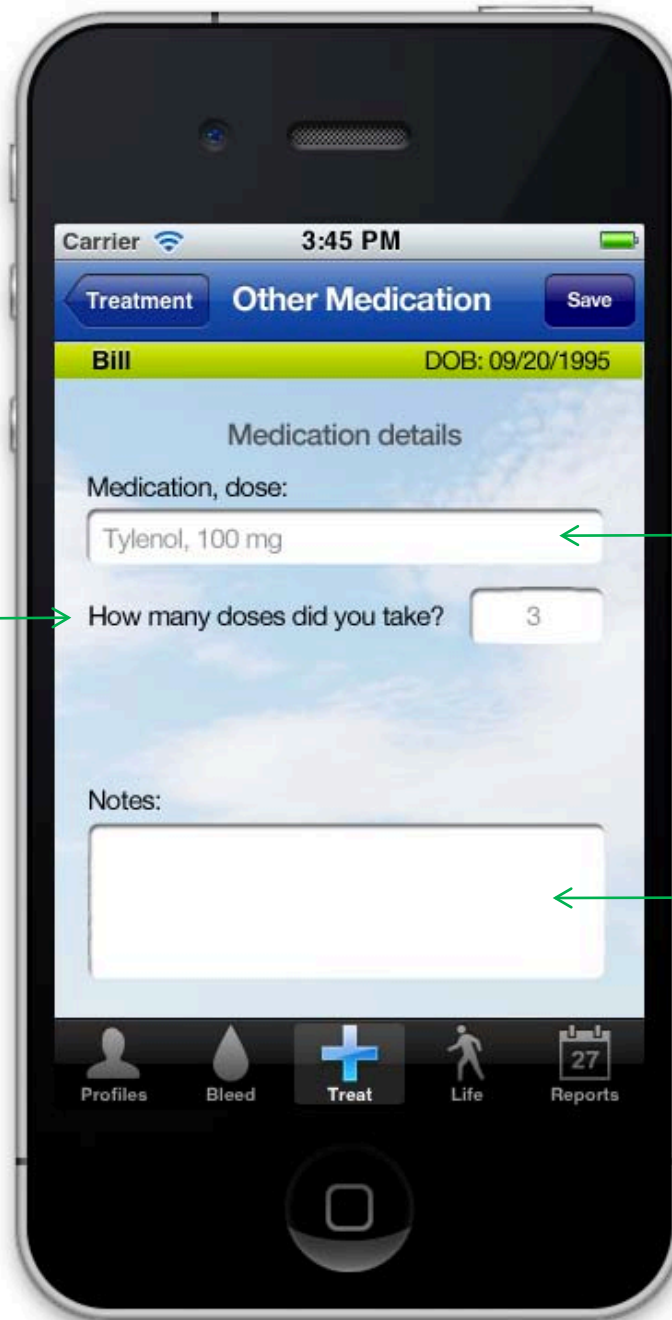


3. Treat Choose Treatment Type—Other Medications

Page 33 shows the process for recording treatment with “Other Medications”.

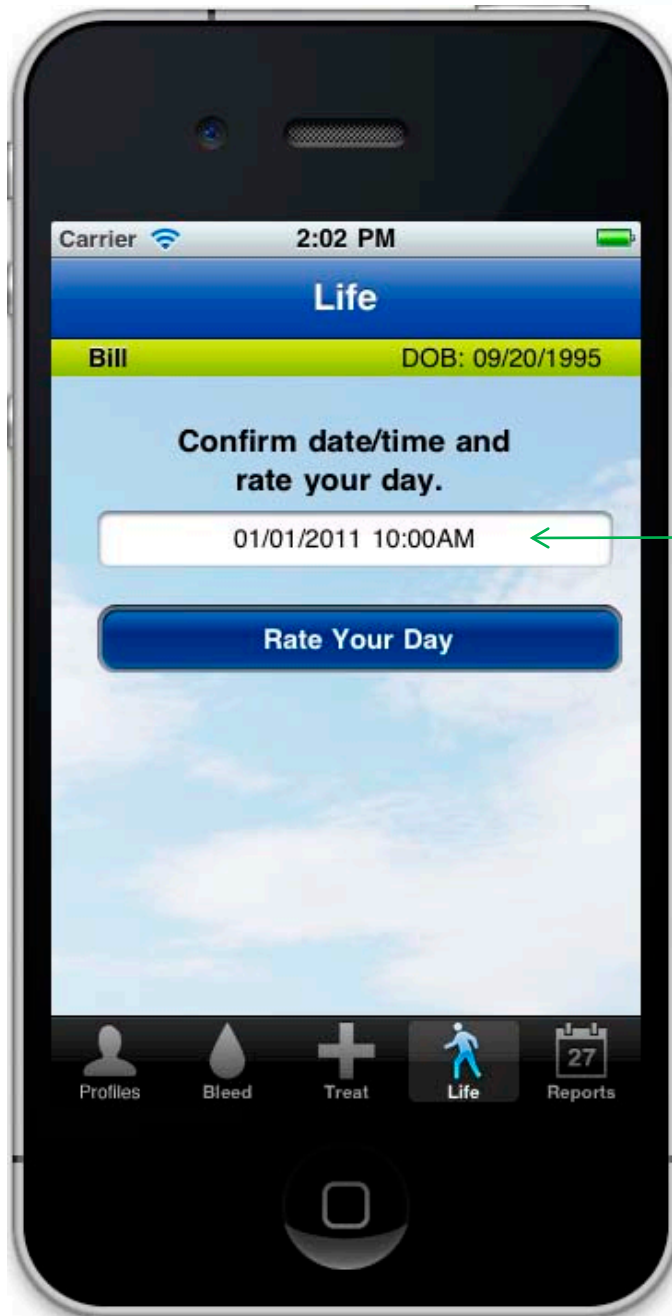
3. Treat Other Medications

Enter the number of doses taken on that day via number pad.



Defaults to “Other Medications” from profile on first use. Tap the “medication, dose” field to edit the information. On future uses, the most recent meds and doses appear via picker.

Add to the entry with a free text “Notes” field. Tap “Save” when entry is complete.



4. Life Intro Screen

Confirm the date and time. Defaults to current date/time. If needed, edit date/time via picker before tapping "Rate Your Day".

4. Life Rate Your Day

Carrier 2:03 PM

Life

Bill DOB: 09/20/1995

What was your level of pain? **3**

0 « No Pain Worst Pain » 10

How was your health? **80**

0 « Worst Health Best Health » 100

Was there any loss of school? No Interruption

Was there any loss of work? Partial missed day

Continue

Profiles Bleed Treat Life Reports

Pain slider moves from 0 (No Pain) to 10 (Worst Pain).

General health slider moves from 0 (Worst Health) to 100 (Best Health).

Record loss of school and/or work productivity via picker (see below).

No Interruption

Full missed day

Partial missed day

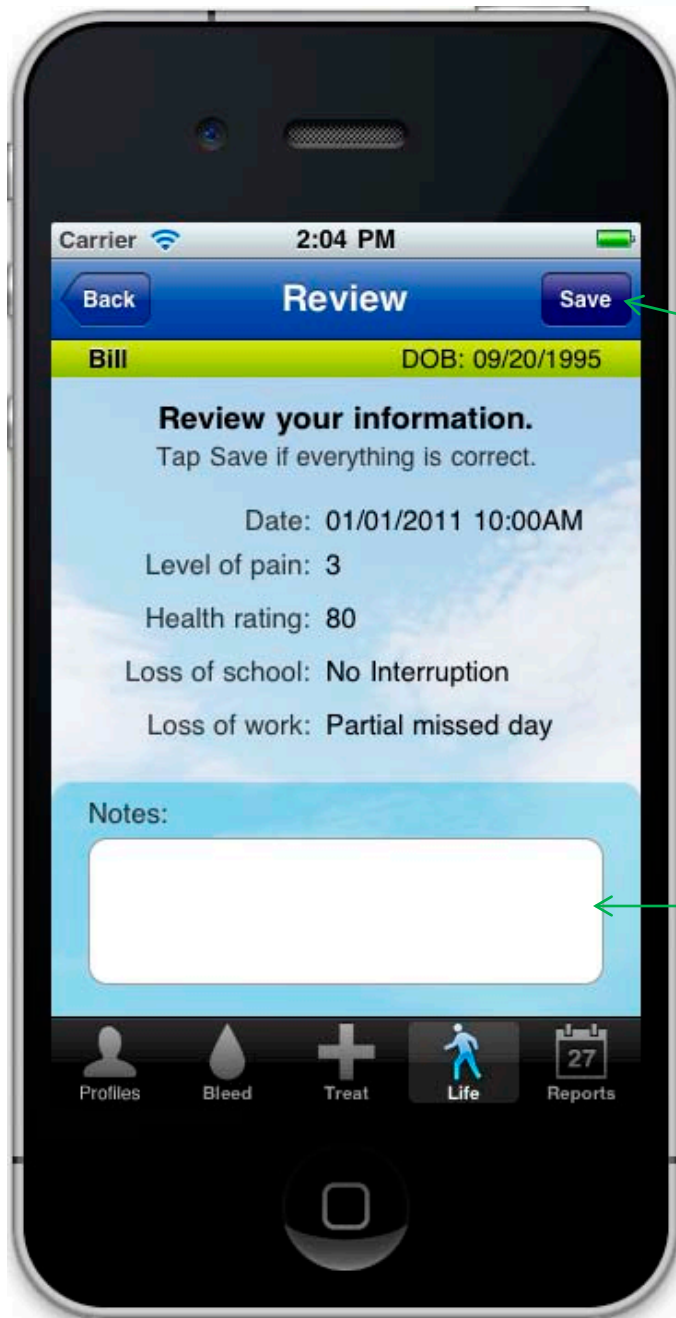
Set Interruption Type



4. Life Rate Your Day— Caregiver

Caregivers can record loss of school/work and missed activities using the same picker shown on page 35. Tapping “Done” saves the data and takes the caregiver back to the patient’s Life screen.

Add to “activities” entry with a free text field.

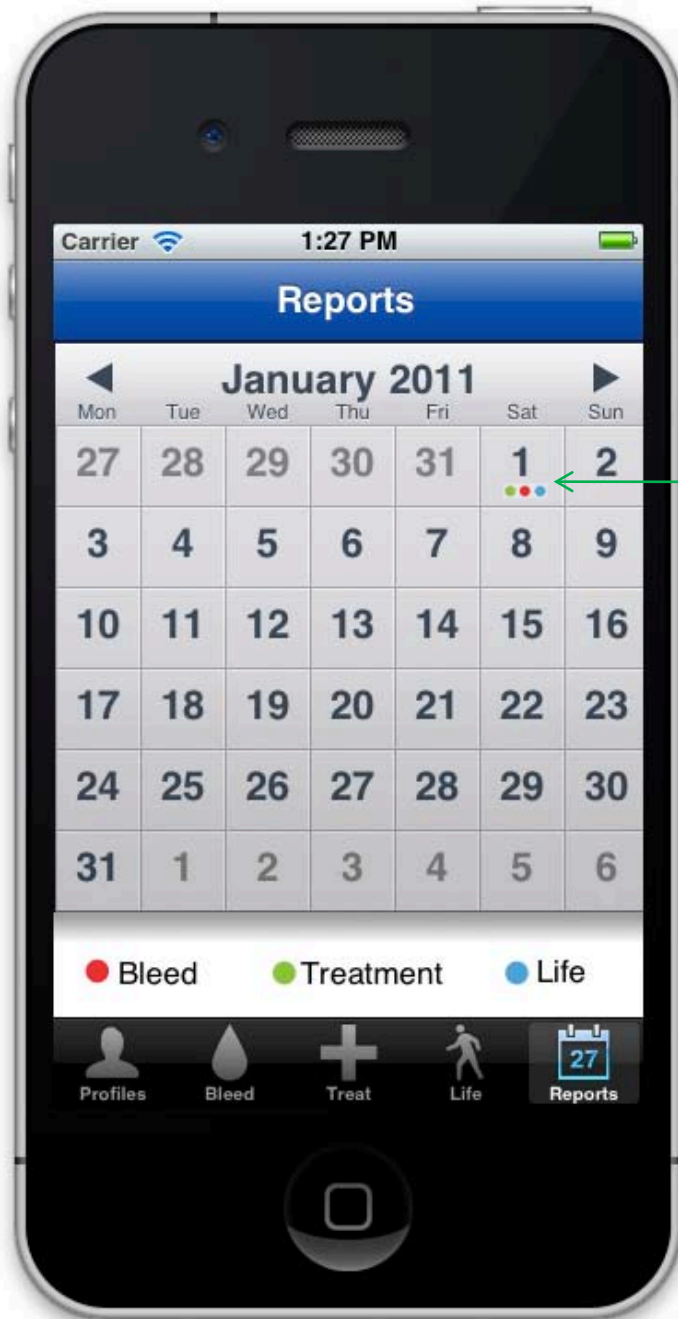


4. Life Review

After reviewing the information, tap "Save" to move on or tap "Back" to make changes.

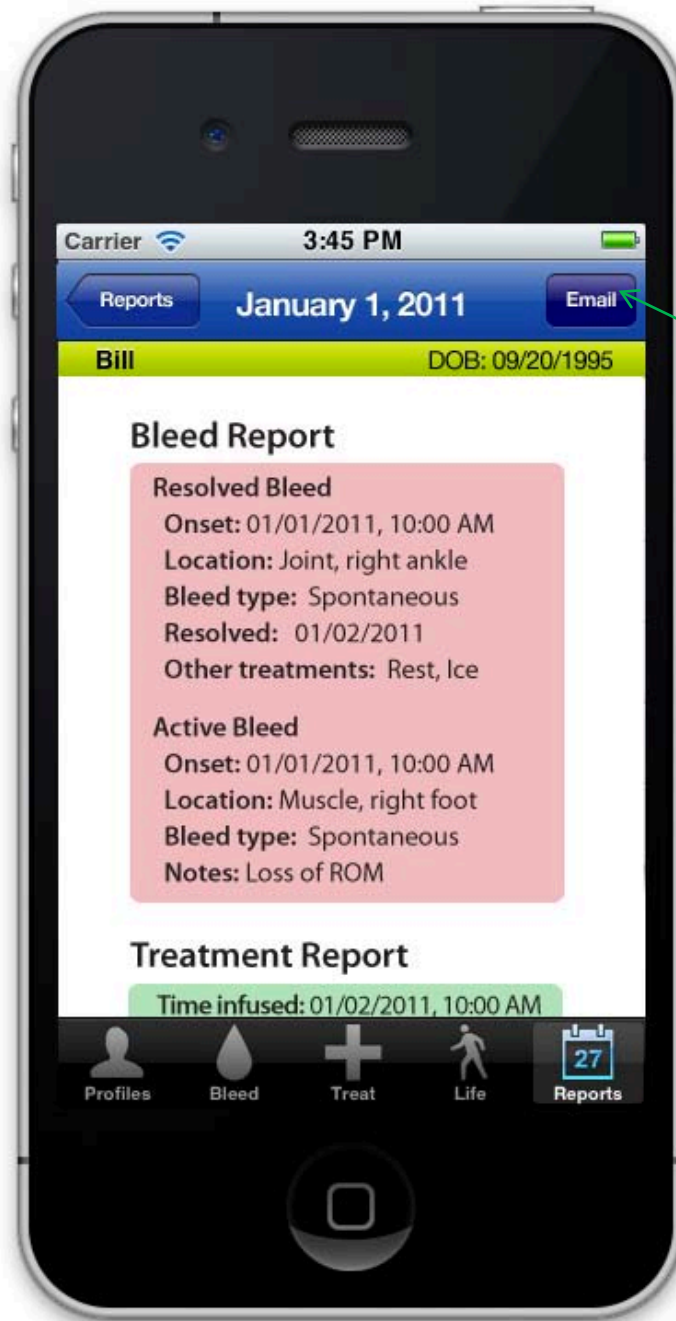
Add to Life entry with a free text field.

5. Reports Monthly Calendar



Entry dots enable users to quickly find days where information has been recorded.

5. Reports Review and Email



Tap the "Email" button to send monthly Bleed, Treatment, and/or Daily Life Reports to self or a healthcare provider. Tap the "Back" button to go back and view other reports.

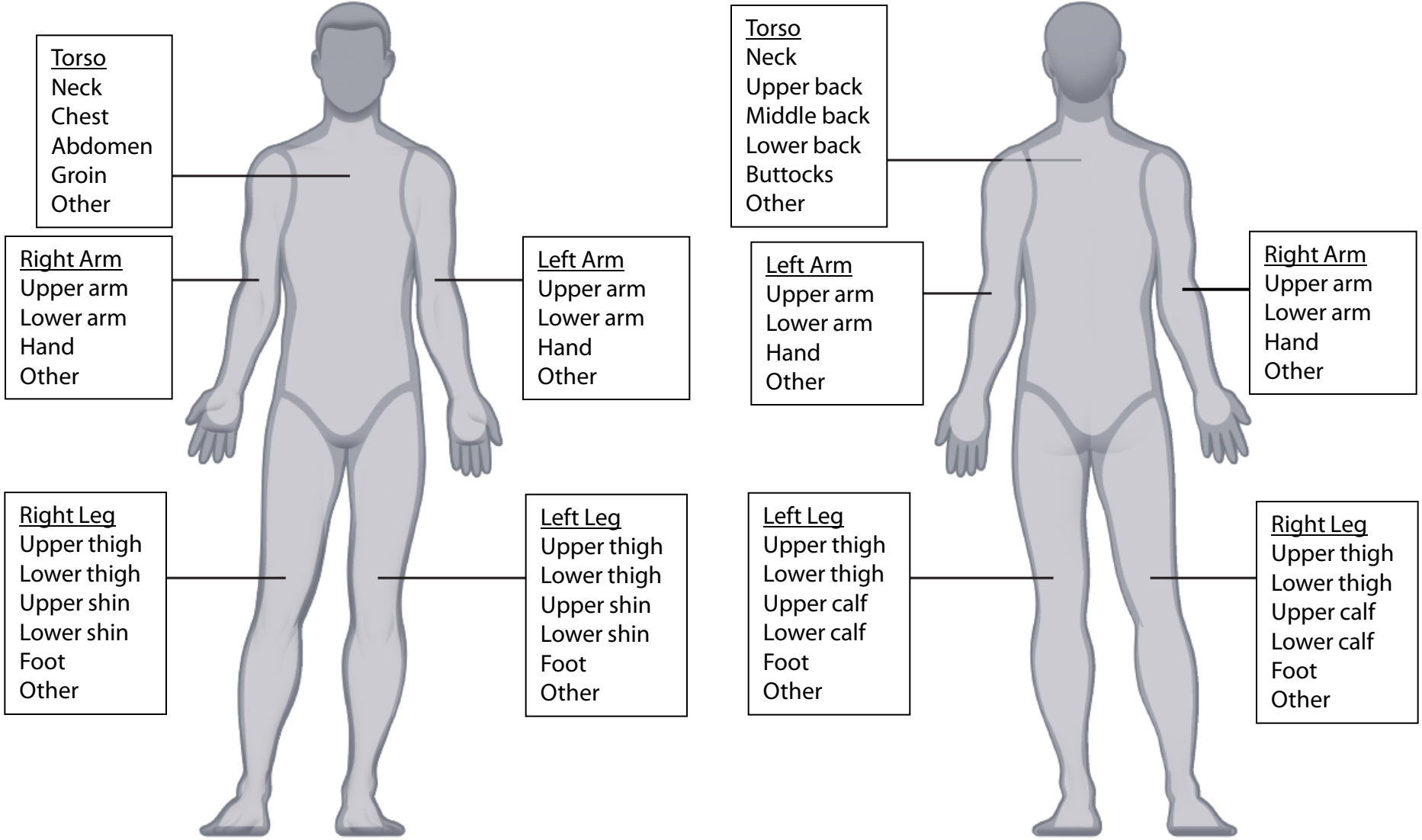
Attachment A—Factor Products and Classifications

• Advate	IU
• Alphanate	IU
• Alphanine SD	IU
• Bebulin VH	IU
• Benefix	IU
• Corifact	U
• Feiba NF	U
• Helixate FS	IU
• Hemofil M	IU
• Humate-P	IU
• Koate-DVI	IU
• Kogenate FS	IU
• Monoclate-P	IU
• Mononine	IU
• NovoSeven RT	mg
• Profilnine SD	IU
• Proplex T	U or IU
• Recombinate	IU
• Wilate	IU
• Xyntha	IU

Attachment B—Body Map Selections (Muscles)

MUSCLE FRONT

MUSCLE BACK



Attachment B—Body Map Selections (Joints, Other)

