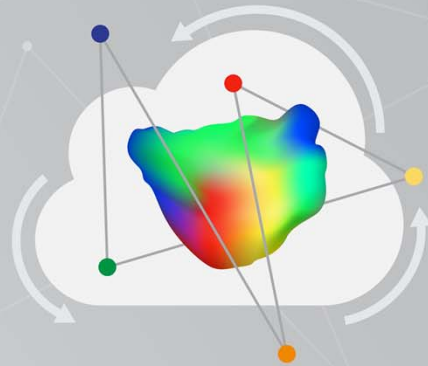


# DO MORE WITH YOUR DATA



Important information: Prior to use, refer to the instructions for use supplied with this device for indications, contraindications, side effects, warnings and precautions. This publication is not intended for distribution outside of the EMEA region.

124879-191002  
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**CARTONET™**

 Biosense Webster.  
part of the Johnson & Johnson medical device companies

I am excited to introduce you to another first of its kind innovation from Biosense Webster, Inc. called CARTONET™ that will provide easy convenient access to your CARTO® 3 System case data.

# DO MORE WITH YOUR DATA

CARTONET™

## Review



- Queryable cloud-based CARTO® 3 System case storage.
- Retrospectively review CARTO® 3 System cases remotely on a laptop or desktop.

## Discover



- CARTO® 3 System case data statistics and analytics presented in a configurable dashboard.
- Easily attach pre-, intra- and post-procedure information to the CARTO® 3 System case record and analytics.

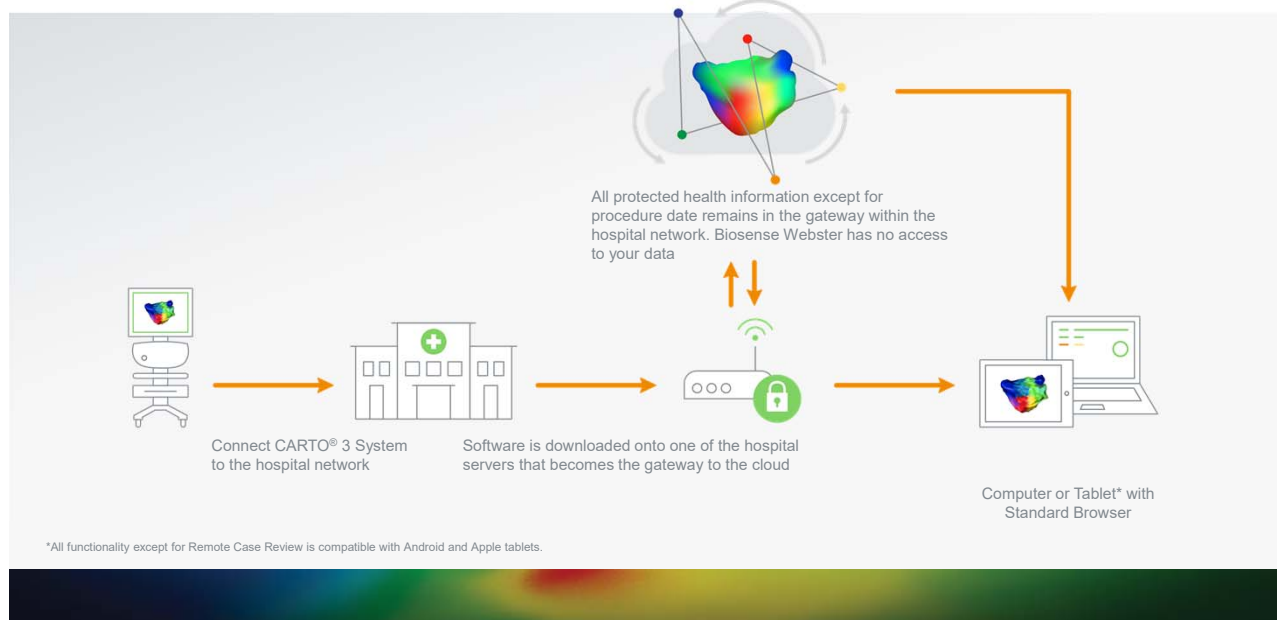
## Share



- Aggregate and share CARTO® 3 System cases and images.
- Export case statistical and analytical information in standard format.

## Architecture

CARTONET™



So we developed CARTONET™.

The way CARTONET™ works is you connect 1 or more CARTO® 3 System in your hospital or hospital system to the hospital network. Software is downloaded onto one of the hospital servers that becomes the gateway to the cloud. CARTO® 3 System cases are anonymized and backed up onto the cloud and all the PHI (protected health information) except for procedure date remains in the gateway within the hospital network.

The cloud is a private cloud for your hospital within the secure Microsoft Azure cloud and no one at Biosense Webster, Inc. or Microsoft has access to your data. The cloud represents “smart” storage. Instead of being restricted to Sharpie labels or file names you can search, sort and filter cases using many criteria including date range, procedure type, cases where you used certain CARTO® 3 Modules, etc. and while these cases are in storage the cloud is running analytics to build your personal dashboard.

CARTONET™ leverages the teamplay Cloud Platform developed by Siemens Healthineers to support their radiology business. Teamplay is one of the largest data networks in healthcare with over 4,000

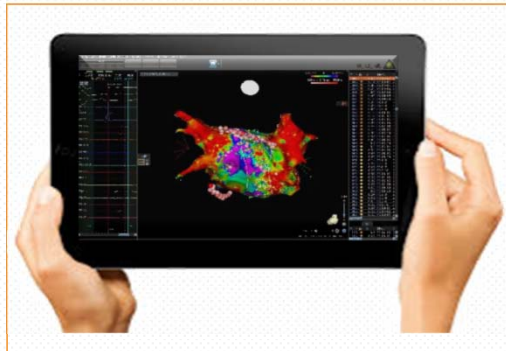
connected institutions in 59 countries and it meets industry best practices of security and privacy and supports compliance with HIPAA and GDPR.

Once your cases are backed up onto CARTONET™ you can log in remotely from a standard browser on a laptop, desktop or tablet and will have a dashboard of your cases, case statistics and the ability to review a full case as if you are on a CARTO® 3 System Workstation. If you log in within the hospital network you will have access to the full case information including patient name and ID number. If you log in from home the patient name and IDs will be anonymized unless you are on a hospital VPN.

## Case review

**CARTONET™**

- Review Cases Remotely
- Via a standard browser on a computer or laptop
- Full CARTO® 3 System functionality – change the window of interest, reannotate points, etc.



# Data Statistics

- Overview of the data captured per patient
- Access to the individual physician average and institution average

The screenshot displays the CARTONET interface. On the left is a dark sidebar with navigation options: Home, Cases, Statistics, Custom Graphs, and Research. The main content area shows patient information for '08-Aug-2019 16:17' under the 'Accessory Pathways' category. A 'Case Summary' tab is active, showing a table of 'Accessory Pathways' with columns for Attribute, Value, Your Average, and Institution Average (Last 30 Days).

Attribute	Value	Your Average	Institution Average Last 30 Days
Procedure Information <b>Overhead Duration</b> (Minutes)	3	0	3
Procedure Information <b>Procedure Duration</b> (Minutes)	3	0	3
Procedure Information <b>Mapping Duration</b> (Minutes)	1	0	1
Procedure Information <b>Ablation Duration</b> (Minutes)	1	0	1
Patient Information <b>Age at Time of Procedure</b> (Years)	29	0	29
Procedure Information <b>Procedure Duration</b> (Minutes)	3	0	3



## Additional data

- Any pre, intra and post procedure can be added manually (patient risk factors, follow-up, ...)

Select an Attribute or a Category

Search an Attribute or a Category

Patient Information +

Pre Ablation Office Visit +

Procedure Information +

10-12 Week Follow up Office Visit +

6 Month Follow-Up Office Visit +

12 Month Follow-Up Office Visit +

### Form chani

Weight (kg)

Height (cm)

Dual chamber or CRT Pacemaker

Yes  No

TEE pre-procedure

# Analytics

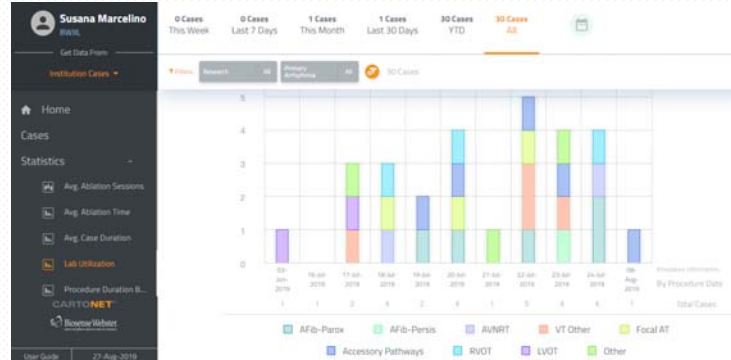
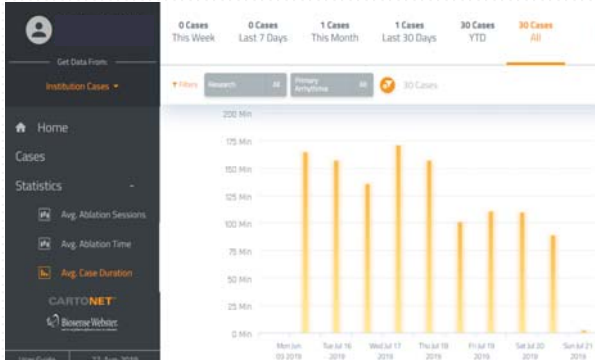
- Monitor progression of the different phases of the procedure
- Can be visualized per arrhythmia and research protocol/workflow/technology adoption





# Analytics

- Different graphs available



# Data Sharing

- Tag any patient for a specific study/protocol/workflow/technology adoption
- Access data of a multi-center study possible if all centers have CARTONET™

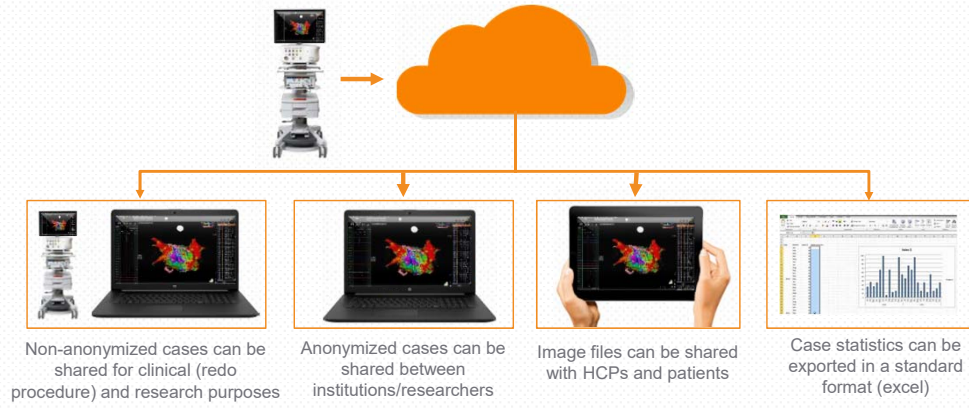
The screenshot displays the CARTONET interface for a user named Susana Marcelino. The top navigation bar includes sections for 'Time' (08-Aug-2019 16:17), 'Arrhythmia' (Accessory, Pathways, Other), 'Physician' (Test), 'Patient' (Anonymized), 'ID', and 'Associated Research' (0). A sidebar on the left contains navigation options: Home, Cases, Statistics, Custom Graphs, and Research. The main content area is titled 'Associated Research' and features a table with the following data:

Research Item	Auto	10 - 11	Associated Research
<input type="checkbox"/> Mati Test	Auto		0
<input checked="" type="checkbox"/> Persistent Afib 2019	Auto		4
<input type="checkbox"/> reaserch	10 - 11	<input type="checkbox"/>	0
<input type="checkbox"/> SHS Research	Auto		0
<input type="checkbox"/> SVT Study	Auto		1

At the bottom of the interface, there is a 'Save' button and a footer with 'User Guide' and '27-Aug-2019'.

# SHARE

CARTONET™



## Data Sharing

**CARTONET™**

- Integrate easily the CARTONET™ data into your patient database system through HL7 FHIR (most standardized electronic health records)



# DO MORE WITH YOUR DATA

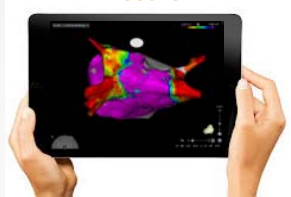
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