

**PHILIPS**

Ultrasound

Obstetrics

# Designed for life

Philips ultrasound for obstetrics

# Challenges in OB imaging today

Early, accurate diagnosis is essential for peace of mind. Providing a confident evaluation throughout pregnancy rests on identifying issues as early as possible to guide the patient journey.

## Early detection

Annually, around 1.9 million babies are stillborn worldwide<sup>1</sup> and in the US, one in 100 babies are born with a heart defect<sup>2</sup>



## Reducing exam time

High patient volume and an increase in technically difficult patients stress the need for efficient, high-quality exams



## Reducing costs

Total hospital costs for US children and adults with birth defects exceed \$2.6 billion each year<sup>3</sup>



## Staff shortages

Worldwide trends highlight ongoing need for more healthcare professionals



## Expanding the areas for care

Ultrasound needs a small footprint, ergonomic design and easy mobility to take patient care where it needs to go



## Exceptional imaging with end-to-end efficiency

Philips offers ultrasound systems with innovative OB tools specifically designed to not only aid in efficient routine screening and care, but also to assist clinicians in detecting abnormalities early.

Intelligently guided workflow advances and ways to collaborate with each other help clinicians reach a confident diagnosis at more points of care, supporting patients with the peace of mind they deserve.





# Expand access to maternal and fetal care

Our range of ultrasound imaging solutions supports you in providing excellent OB care in the clinic, hospital or office, and also in emergency care and rural or remote settings. Wherever you are, we're there, too, so you can bring confident, high-quality imaging to more of the places you see patients.



**EPIQ Elite premium** ultrasound redefines performance.

**Affiniti high-end** ultrasound understands your everyday.



**Compact Ultrasound System 5000 series** is compact without compromise and supports quick, confident answers at more points of care.

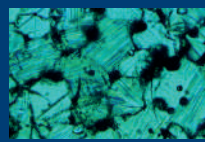
**Lumify ultramobile** ultrasound offers exceptional ultrasound in the palm of your hand.



## Confident decision-making begins with what you see

Philips PureWave transducers — available on the EPIQ Elite, Affiniti and select Compact 5000 series systems — offer outstanding image quality, even in technically difficult patients.<sup>4</sup> PureWave crystals have virtually perfect uniformity for greater bandwidth, resulting in excellent detail resolution and improved Doppler sensitivity.<sup>4</sup>

## PureWave crystal technology



Conventional PZT (x800)



PureWave crystal (x800)

**85%** more efficient than conventional PZT material<sup>4</sup>

### eL18-4 transducer

for high-resolution and penetration in 2D imaging, ultra-sensitive blood flow detection, fetal heart imaging and early cardiac screening



### V9-2 transducer

is lightweight, offering excellent ergonomics and provides superb 2D/3D imaging and 3D analysis throughout the first, second and third trimesters



### C5-1 transducer

penetrates up to 40 cm for excellent visualization



### C10-3v transducer

offers PureWave technology and is ideal for challenging fibroid and complex ovarian cases as well as first trimester imaging





# The performance you need for today's patients

## Advanced imaging performance with EPIQ Elite and Affiniti

Powerful imaging and smooth workflow are made possible by advances that help detect OB abnormalities early. PureWave transducers allow you to image even technically difficult patients with ease.<sup>4</sup>

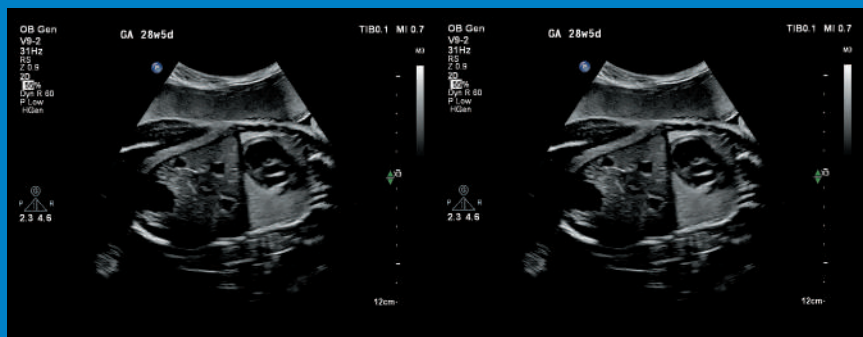
### An OB solution for earlier diagnosis

Includes advanced technologies with clinically tailored tools to support detection and diagnosis while increasing throughput, helping you detect congenital anomalies during pregnancy.



### Next Gen AutoSCAN

Remarkable features such as Next Gen AutoSCAN and advanced post-processing controls do even more to help you reach a confident diagnosis quickly.



AutoSCAN off

AutoSCAN on



# See real life, illuminated

Manipulate light and shadow on anatomical structures to enhance clinical confidence.



Before 3D Auto Edit

After 3D Auto Edit applied



TouchVue offers intuitive 3D volume workflow

The TrueVue Pro flexible virtual light source in three dimensions allows you to easily acquire lifelike 3D images.



Light source, umbilical cord



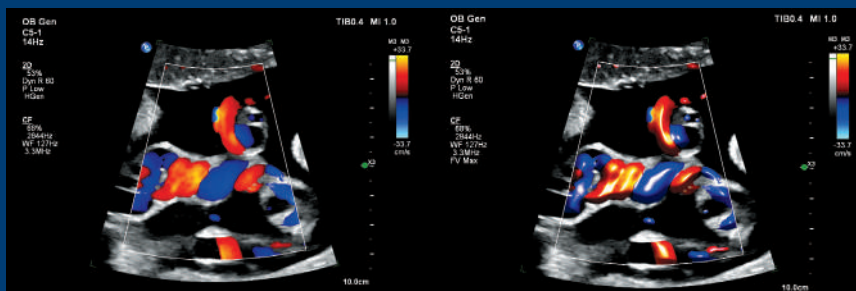
Light source, upper right



Light source, deep in gestational sac



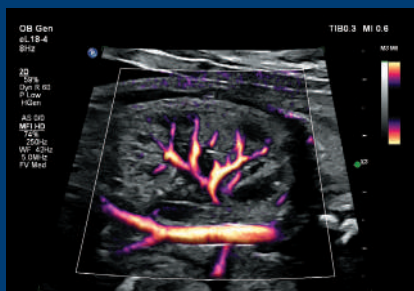
Light source, lower right



Umbilical cord without Flow Viewer (left), with Flow Viewer (right).

## Add remarkable dimensionality to color modes

Flow Viewer provides a 3D-like rendering of flow imaging data to help better visualize fetal vessels and fetal heart structures, enhancing color imaging modes.



Exceptional visualization of fetal kidney with MFI-HD on EPIQ Elite.

## Overcome challenges in visualizing blood flow

MicroFlow Imaging (MFI) and MFI-HD detect low-volume, low-velocity blood flow, removing many of the technical barriers associated with conventional methods to detect small-vessel blood flow with high resolution and minimal artifacts.

# Ultrasound that takes you to more places

## Compact without compromise

Bring the value of exceptional OB ultrasound to more patients, with simplified transport and maneuverability in small spaces. The Compact Ultrasound System 5000 series for OB/GYN gives you superb image quality, flexibility and standardized workflow made for the increasing challenges of healthcare.

This system features a familiar touchscreen, user interface and high-performance transducers that can be shared with EPIQ Elite and Affiniti systems.



Better color sensitivity compared to their current system, according to 75% of users.<sup>5</sup>



90% of users agree that the common UI and workflow shared by EPIQ and Affiniti may help reduce user training.<sup>6</sup>



Success across all of your patient types, imaging departments, patient bedside or remote locations.

## Exceptional portable ultrasound from your smart device

With Lumify, high-quality portable ultrasound is available nearly everywhere. Simply download the Lumify app, connect the transducer to your compatible smart device, and you're set. Meet patients at the point of care, make a faster diagnosis and deliver care whenever it's needed.





# Speed diagnosis and access to care

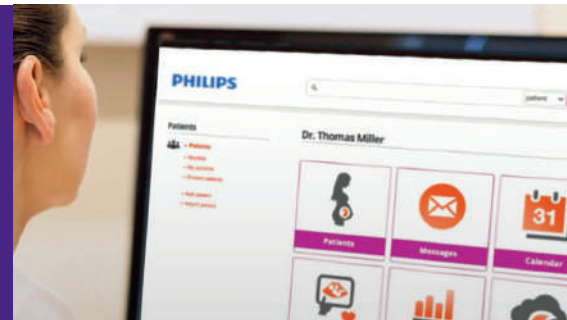
## Ultrasound Collaboration Live with multi-party\*

Extend your team without expanding it, for remote access with diagnostic confidence

Up to six users can quickly and securely talk, text, screen share and video stream directly from the ultrasound system for access to multiple clinical resources at a distance, allowing for fast time to diagnosis, greater standardization and reduced downtime.\*\*

## FetView helps you share results and simplify communication

This secure, cloud-based image sharing and reporting solution provides comprehensive OB/GYN and breast examination overviews with access to real-time results by colleagues and patients for streamlined communications.



# A trusted partner from the start



## Flexible financing

Innovative solutions tailored to you, with the financial flexibility to manage capital budgets and return on investment, supporting your continued growth.



## Defense-in-depth security

Philips ultrasound is developed for security as well as clinical capability.<sup>†</sup>



## Comprehensive clinical education

Improve operational efficiency and enhance patient care.



## A world leader in sustainability

Philips is committed to lifecycle circularity for its systems.<sup>†</sup>

\* Philips EPIQ Ultrasound System release 10.0.

\*\* Contract required. Collaboration Live is intended for remote diagnostic use on release 9.0 or higher.

† Philips was listed in the top three health technology companies in the global 2023 Dow Jones Sustainability Indices list. Philips 2023 Annual Report. <https://www.results.philips.com/>





## References

- 1 Report of the United Nations Inter-agency Group for Child Mortality Estimation, 2022.  
<https://childmortality.org/wp-content/uploads/2023/03/UN-IGME-Stillbirth-Report-2022.pdf>
- 2 Centers for Disease Control and Prevention. (2024) Data and statistics.  
<https://www.cdc.gov/heart-defects/data/index.html>
- 3 Birth defects are common, costly and critical. U.S. Department of Health and Human Services Centers for Disease Control and Prevention. [https://stacks.cdc.gov/view/cdc/23541/cdc\\_23541\\_DS1.pdf](https://stacks.cdc.gov/view/cdc/23541/cdc_23541_DS1.pdf)
- 4 Chen J, Panda R, Savord B. Realizing dramatic improvements in the efficiency, sensitivity and bandwidth of ultrasound transducers: Philips PureWave crystal technology. Koninklijke Philips N.V. Aug 2006.
- 5 Based on 32 exams at four external evaluation sites. Results of case studies are not predictive of results in other cases. Results in other cases may vary.
- 6 Philips CX50 system used for comparison. External evaluation at two sites with a total of 29 patient exams.
- 7 Philips EPIQ and Affiniti Security white paper, document number 452299180531, April 2023.