



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,¹ and in the US, one in 100 babies are born with a heart defect²



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 year³



Staff shortages

Worldwide trends highlight ongoing need for more healthcare professionals



Expanding the areas for care

Ultrasound users need 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 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 Elevate
premium ultrasound
redefines performance.

Affiniti Elevate 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.

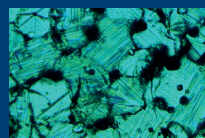
Lumify ultramobile
ultrasound offers
exceptional ultrasound in
the palm of your hand.



Confident decision-making begins with what you see

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

PureWave crystal technology



Conventional PZT
(x800)



PureWave crystal
(x800)

85%
more efficient
than conventional
PZT material⁴

eL18-4 transducer

for high-resolution and penetration in 2D imaging, ultrasensitive 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

C9-2 transducer

with high resolution and penetration in 2D images with ultrasensitive blood flow detection. Ideal for fetal heart and other detail fetal anatomy evaluations in all three trimesters

C10-3v transducer

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 Elevate and Affiniti Elevate

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.⁴

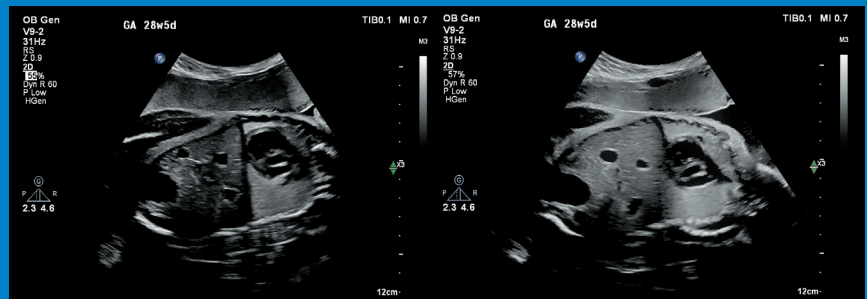
An OB solution for earlier diagnosis

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



Next Gen Auto Scan

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



Auto Scan off

Auto Scan 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

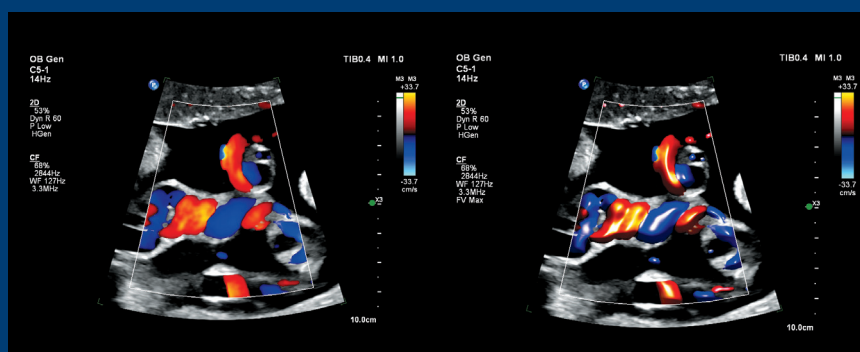


Light source, lower right

Advanced capabilities enhance visualization

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.

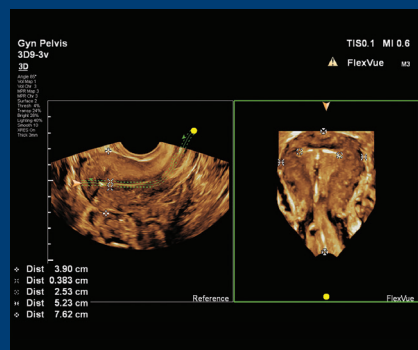


Umbilical cord without Flow Viewer.

Umbilical cord with Flow Viewer.

Visualize 3D volumes with ease

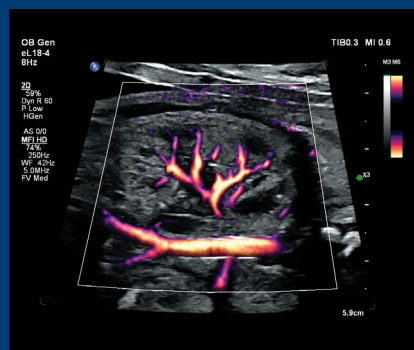
FlexVue with Orthogonal View with quantification allows for flexibility in plane acquisition from 3D datasets and provides a comprehensive measurement package.



FlexVue with Orthogonal View with quantification produces a complete projected coronal view of the uterus.

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.



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

Easily and quickly optimize images during the OB exam

Quick launch presets offer a 60% decrease in button pushes and 55% decrease in image optimization time during an obstetric exam⁵



Quick launch presets touchscreen

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 Elevate and Affiniti Elevate systems.



Better color sensitivity compared to their current system according to 75% of users.⁶



90% of users agree that the common UI and workflow shared by EPIQ and Affiniti may help reduce user training.⁷



Success across all of your patient types, imaging departments, patient bedside and 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

Offers remote access to help with diagnostic confidence, now with simultaneous multi-party communication. 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 remote access regardless of location.

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.⁸



Comprehensive clinical education

Improve operational efficiency and enhance patient care.



A world leader in sustainability

Philips is committed to lifecycle circularity for its systems.^{**}

*Contract required. Requires release 7.0.5 or higher. Diagnostic use and remote access via mobile device or browser requires release 9.0 or higher. Multi-party and system-to-system connect require release 10.0 or higher.

**<https://www.philips.com/a-w/about/environmental-social-governance/environmental.html>



References

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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
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. D001833994, Marketing Claim Evidence for release 12.0 Workflow Efficiency Quick Launch Preset.
6. 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.
7. Philips CX50 system used for comparison. External evaluation at two sites with a total of 29 patient exams.
8. Philips EPIQ and Affiniti Security white paper, document number 452299180531, April 2023.

