PHILIPS

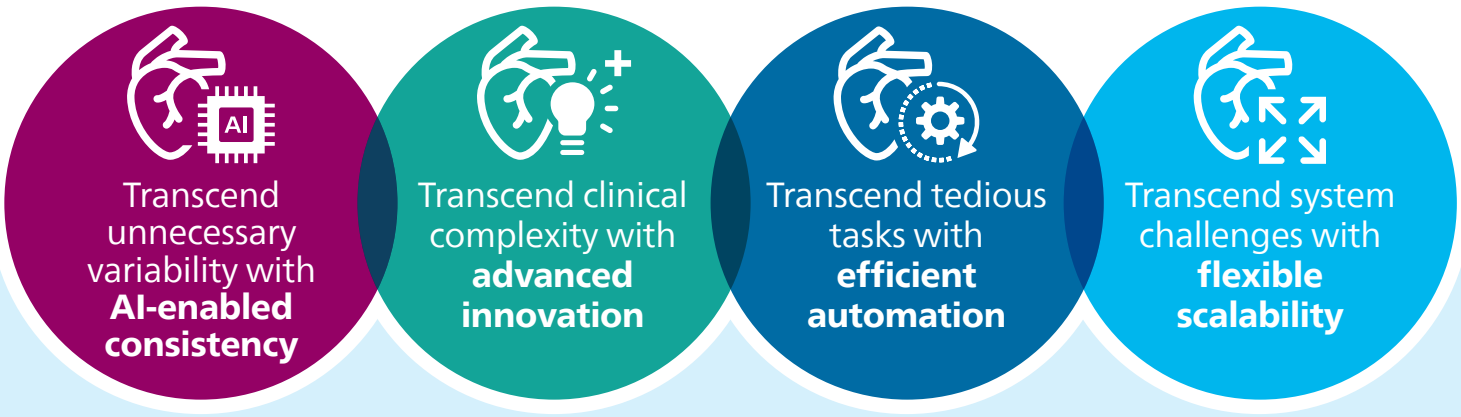
Ultrasound

EPIQ CVx/CVxi

The next dimension in echocardiography

Philips EPIQ CVx and CVxi, our premium cardiovascular ultrasound systems built on our innovative, modular, industry-leading[1] ultrasound platform, have powerful AI-based capabilities and advanced diagnostic solutions to help you transcend today's complexities and propel echocardiography into the next dimension. This enables you to achieve greater consistency, accessible innovation, smarter workflows and easier scalability.

Transcend today's limitations



Consistent image acquisition and interpretation across scans

Benefit from standardized results for both routine and specialized imaging needs

Reduce unnecessary variability and gain greater alignment through AI and automation

Ease efforts for clinicians with consistent user interface and familiar tools

Powerful tools and AI-based technology

Manage clinical complexities to advance care for more patients in more ways

Gain greater clinical confidence in everyday and complex cases

Serve more patients with more precision

Greater automation and collaboration

Save time, get real-time input and focus on what matters most

Simplify everyday echo exams with more efficient procedures and fewer manual steps

Break down barriers with devices and features that work together seamlessly

Built for scale with a unified experience and shared system DNA

Leverage the same experience across the cardiovascular ultrasound platform to grow with your health system

Extend cardiovascular ultrasound flexibility with compatibility across the ultrasound platform

Access remote expertise and multi-vendor quantification tools

AI-enabled consistency

Offers standardized results for both routine and specialized imaging needs

EPIQ CVx with AI and automation helps ensure consistent image acquisition and interpretation across scans for standardized results.

Reduce unnecessary variability and gain greater alignment

AI-driven protocols reduce variability user-to-user and improve reproducibility scan-to-scan.[2-5]

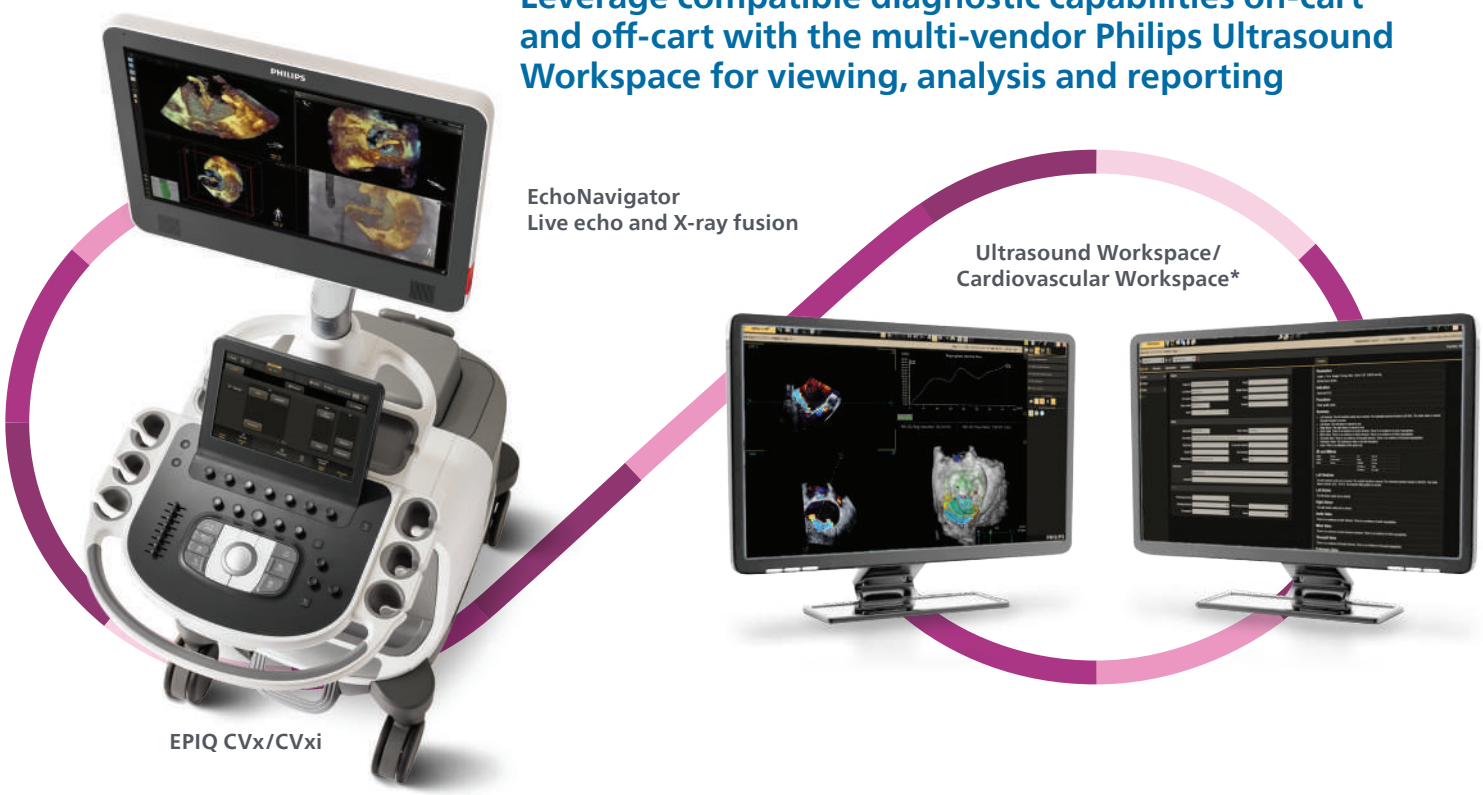
Automation eliminates the need for certain manual tasks, resulting in fewer potential mistakes.

Ease efforts for clinicians

Consistent user interface and familiar tools remove unnecessary complexity and facilitate adoption and training.

Consistent operating system allows for streamlined fleet management.

Leverage compatible diagnostic capabilities on-cart and off-cart with the multi-vendor Philips Ultrasound Workspace for viewing, analysis and reporting



* Cardiovascular Workspace is the commercial name of IntelliSpace Cardiovascular.

The next dimension in echo

Delivering accurate diagnoses for cardiovascular conditions can often be a matter of life and death. Yet these critical evaluations are hindered by unclear and inconsistent reads, manual mistakes and disconnected systems. What if it didn't have to be this way?

Diagnose with greater efficiency

With AI-based automation and quantification tools, echocardiographers can confidently deliver diagnoses with greater consistency, advanced innovation, efficient automation and systems that connect seamlessly.

Keeping you ahead in care

EPIQ CVx offers AI-integrated worflows for routine and specialized procedures that are all on one familiar, industry-leading platform for the ease you know and the legacy you trust. Powerful tools and AI-based technology help you practice at the leading edge of cardiovascular medicine, advancing care for more patients in more ways.

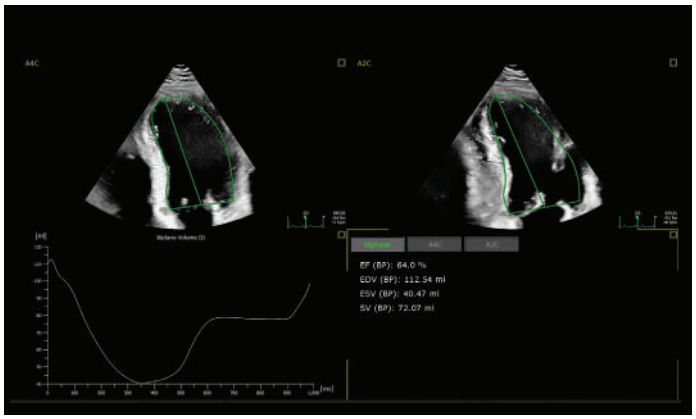
Advanced innovation

Gain greater clinical confidence in everyday and complex cases

EPIQ CVx offers powerful tools and AI-based technology that help you manage clinical complexities to advance care for more patients in more ways. The system offers enhanced and superb image quality, with AI-assisted features and tools that automate and quantify.

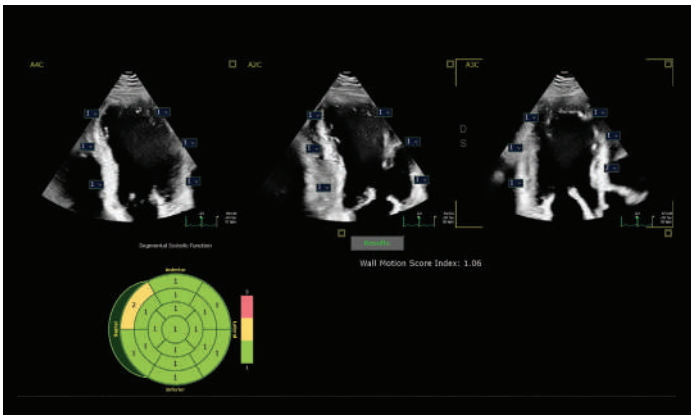
New, advanced measurements

With new AI-based features and advanced automations such as our 3D automated tricuspid valve and color flow quantification tools, you can achieve greater reproducibility and smarter workflows,[2-9] so your team can spend less time on menial tasks and more time saving lives.



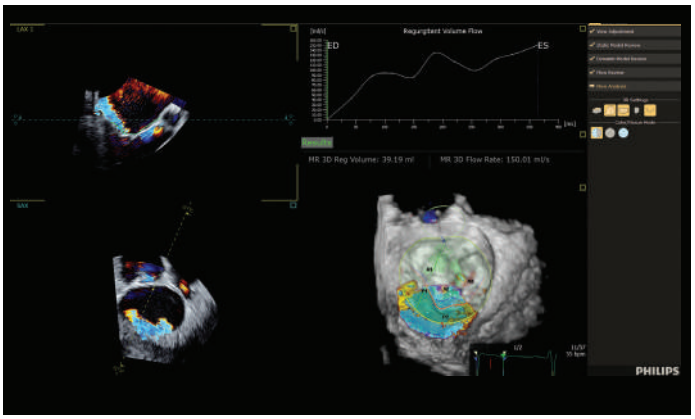
AutoStrain LV now features 2D automated EF and mid-layer strain

Advances to AutoStrain feature fast, reproducible results as part of a comprehensive LV assessment within the same application, improving workflow and saving time.



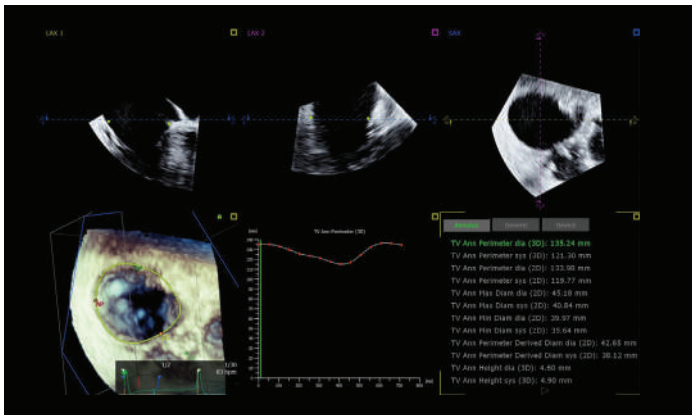
Auto Segmental Wall Motion Scoring*

Provides automated evaluation of wall motion in a standard 17-segment bullseye display to aid objective LV wall assessment.



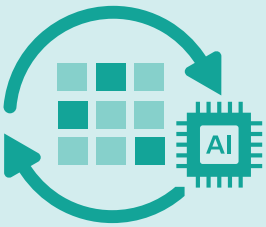
3D Auto Color Flow Quantification*

Offers AI for fast, easy and reproducible mitral regurgitation (MR) volume to help assess MR severity.



3D Auto Tricuspid Valve Quantification*

AI helps confirm/re-evaluate device size/selection with accurate peri-procedure TV annulus measurements (initial sizing and plan with CT).



Smart View Select

Uses AI to automatically select the optimum images for 2D LV assessment.

*Clinical performance and safety have not been established for some features which have 510(k) pending. Not available for sale in the USA.

Transcend today's limitations in structural heart disease

Every day, you work to get complete and consistent visualizations of your patients' hearts, only to face limitations. Low image quality, slow frame rates, limited access, manual sizing and real-time challenges stand in your way of diagnosis and treatment. But it doesn't have to be this way.

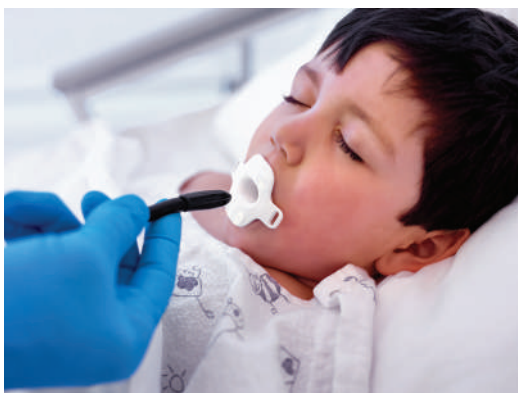
Simplify everyday and complex cases

Gain greater clinical confidence and support more efficient procedures and fewer manual steps through automation of repetitive, mundane tasks and through AI-driven features.

It fits right

35% smaller tip width[10]
for narrow spaces and complex cases

Increase access to 3D TEE with the new X11-4t mini 3D TEE transducer.[11]* Expand your scanning of pediatric and adult patients with this transducer that fits right for your smallest and most vulnerable patients. Perform procedures efficiently with greater patient comfort. The X11-4t transducer integrates with the Philips innovative portfolio and is complementary to VeriSight Pro 3D ICE** in image-guided therapy.



Every patient deserves the clarity and perspective of quality 3D TEE images.

* Not available on Ultrasound Workspace; awaiting 510(k) clearance. Clinical performance and safety have not been established for some features which have 510(k) pending. Not available for sale in the USA.

** Not available on Ultrasound Workspace; awaiting 510(k) clearance.VeriSight Pro 3D ICE is not available for sale in all markets.

Serve more patients with more precision

In addition to 3D automated tricuspid valve and color flow quantification tools, you can experience the greatly improved performance of the X8-2t TEE transducer and VeriSight Pro 3D ICE.*

X8-2t TEE transducer

Now features nSight Plus to improve MPR IQ and better visualize flow dynamics.

VeriSight Pro 3D ICE image enhancement

Improved 3D color supports excellence in interventional procedures.

Transcend today's limitations in pediatric echo

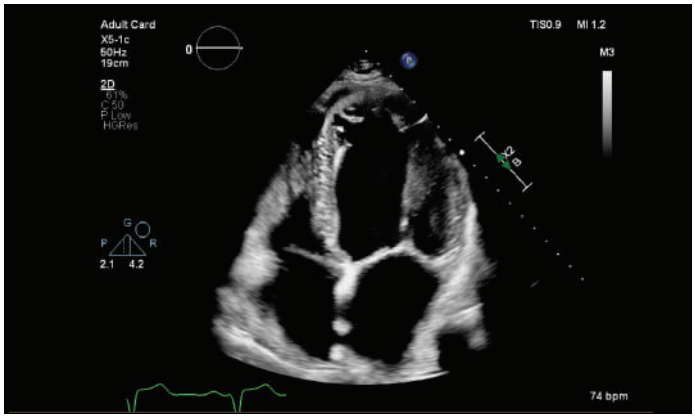
You face many limitations in diagnosing and treating your pediatric cardiovascular patients. Transducers that aren't made for smaller, delicate patients. Frame rates that can't keep up with their rapidly beating hearts. Imprecise imaging that makes it difficult to delineate vascular flow margins. Now there's a different way.

Enhanced image optimization

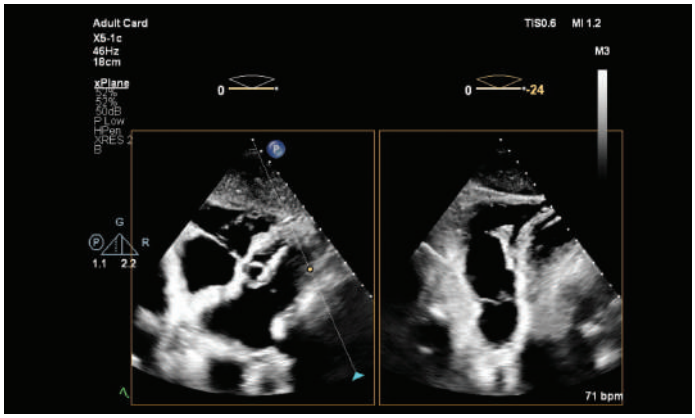
You can view congenital heart defects with fast heart rates using transducers that are suitable for your smallest patients. The X11-4t mini 3D TEE transducer and C5-1 transducer using the next generation of AutoSCAN, along with Flow Viewer for fetal echo, are new tools that help you treat pediatric patients accurately, with improved image optimization.

*Not available on Ultrasound Workspace; awaiting 510(k) clearance. VeriSight Pro 3D ICE is not available for sale in all markets.

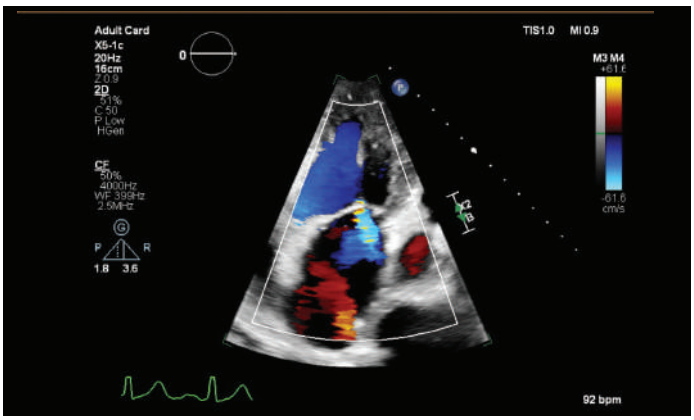
Experience the next dimension in echo



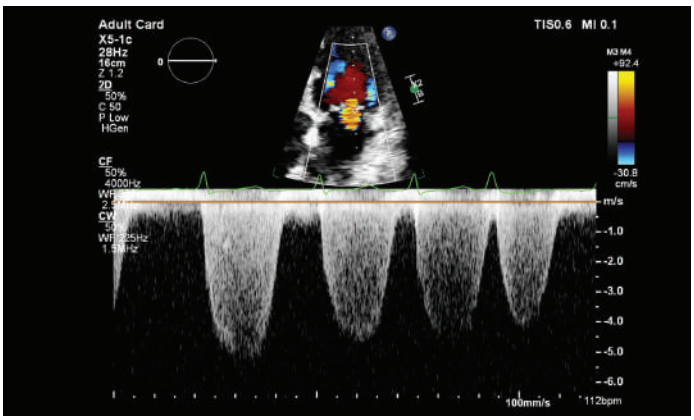
X5-1c transducer, with nSight Plus, helps optimize TTE imaging



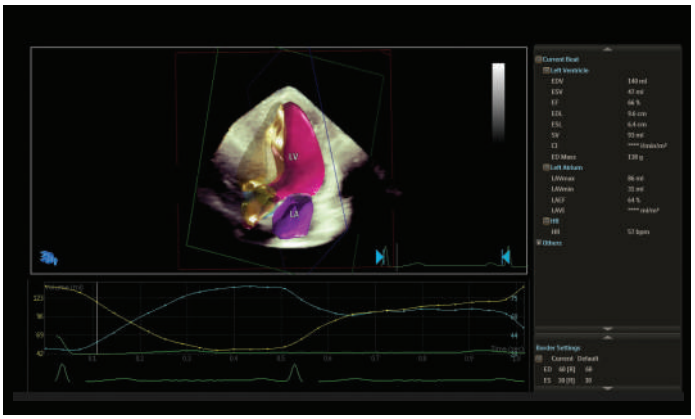
X5-1c transducer subcostal xPlane image of the pulmonary artery



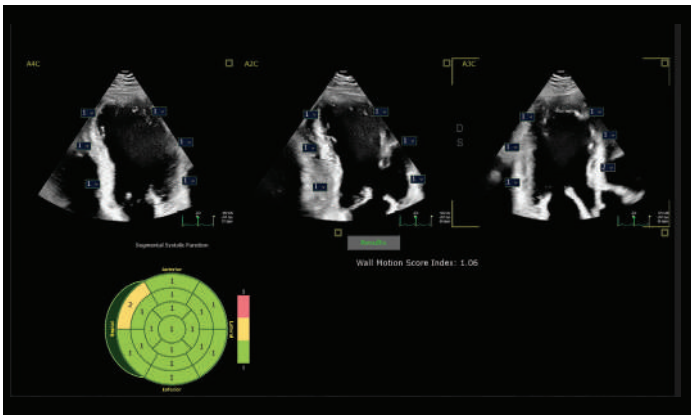
X5-1c transducer color Doppler of mitral regurgitation.(MR)



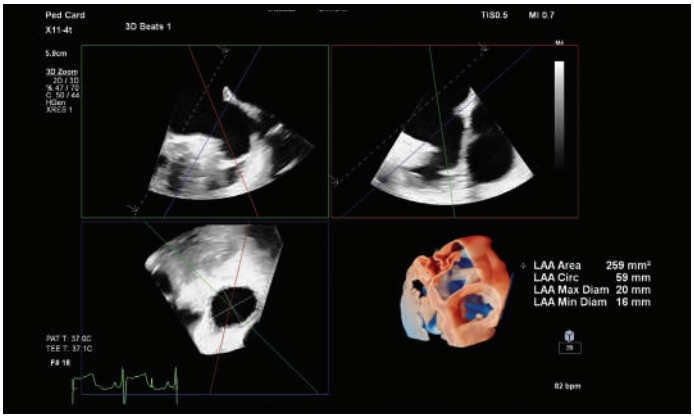
X5-1c transducer CW Doppler of MR



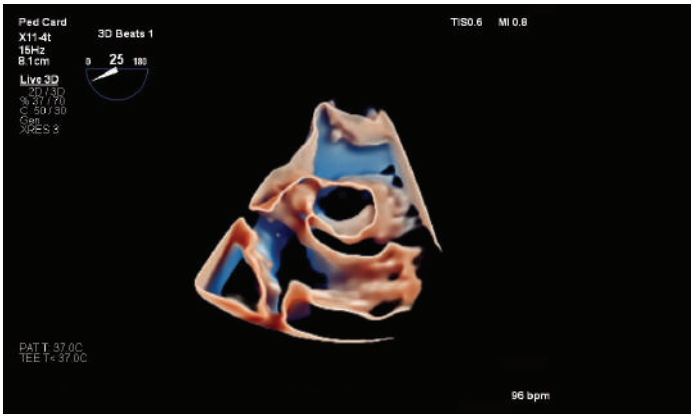
Dynamic HeartModel using X5-1c transducer



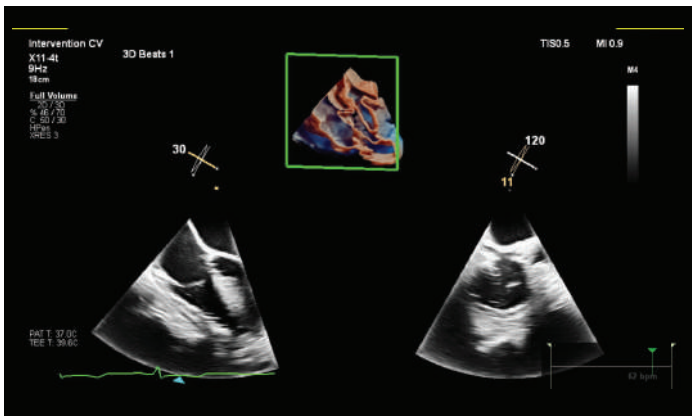
Automated Segmental Wall Motion Scoring Index using X5-1c transducer



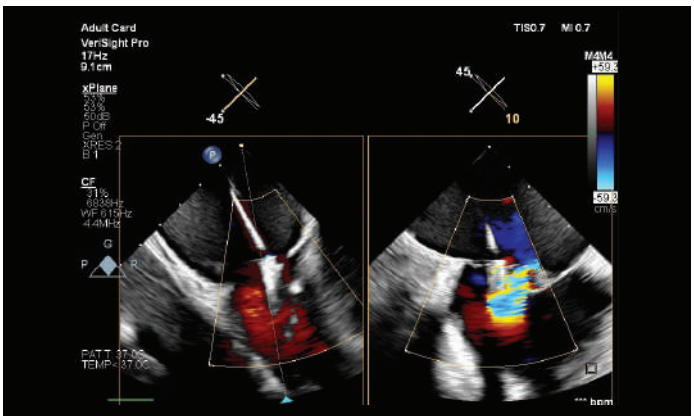
Pediatric LAA assessment using X11-4t transducer



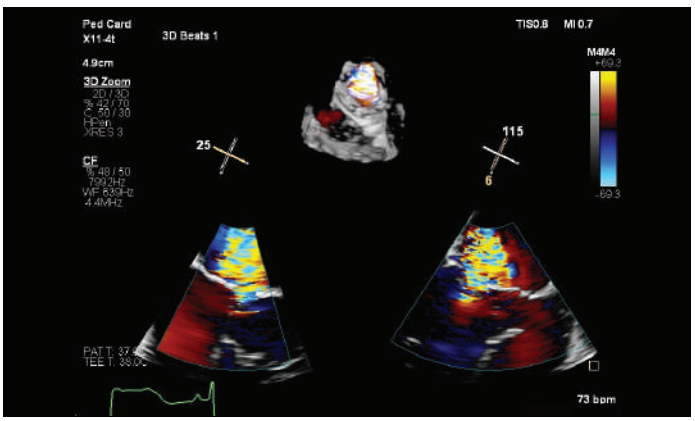
Subvalvular membrane using X11-4t transducer and TrueVue



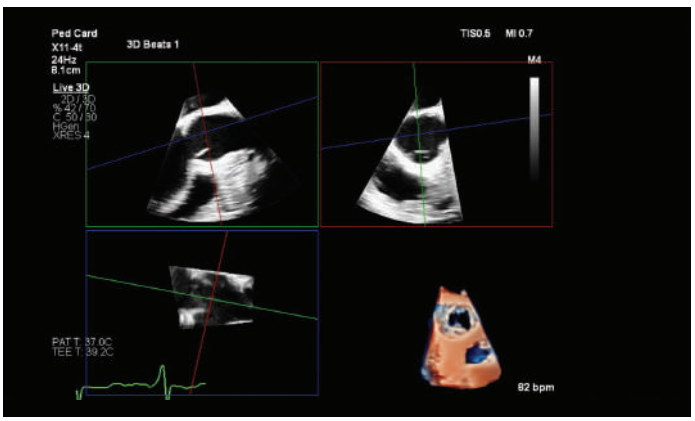
Tricuspid Valve MPR imaging using X11-4t transducer and TrueVue Glass.



xPlane imaging using VeriSight Pro



Pediatric 3D color using X11-4t transducer



MPR views and TrueVue volume of aortic valve

Efficient automation

Simplify everyday echo exams

EPIQ CVx provides greater automation and collaboration, so you can save time, get real-time input and focus on what matters most.

Greater efficiency, fewer steps

Allows for more efficient procedures and fewer manual steps through automation of repetitive, mundane tasks and through AI-driven features such as Auto Measure, AutoStrain, 2D Auto EF, 3D Auto Tricuspid Valve Quantification (3D Auto TV) and 3D Auto Color Flow Quantification (3D Auto CFQ).[2-9]

Reduced rework with easy-to-use software tools

AI-based features eliminate the need for manual view selection and visual analysis.[9]

Break down barriers with devices and features that work together seamlessly

Gain efficiencies that can help you save time and improve your exam volume.

Collaboration Live with multi-party lets you connect with expertise

Now your ultrasound system can do more than scan. Collaboration Live allows you to reach out directly from the ultrasound system for real-time access to remote expertise. Collaboration Live with multi-party lets you connect up to six participants in a call. You can even connect system to system so you can give and get support from your colleagues during an ultrasound exam.*

Smart (Doppler) View ID

Further enhance time-savings through the use of AI for cardiac Doppler measurements.

Recall Settings

Improve workflow with TEE, ICE and TTE transducers, preserving acquisition and imaging settings when switching transducers during an exam.

* 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.

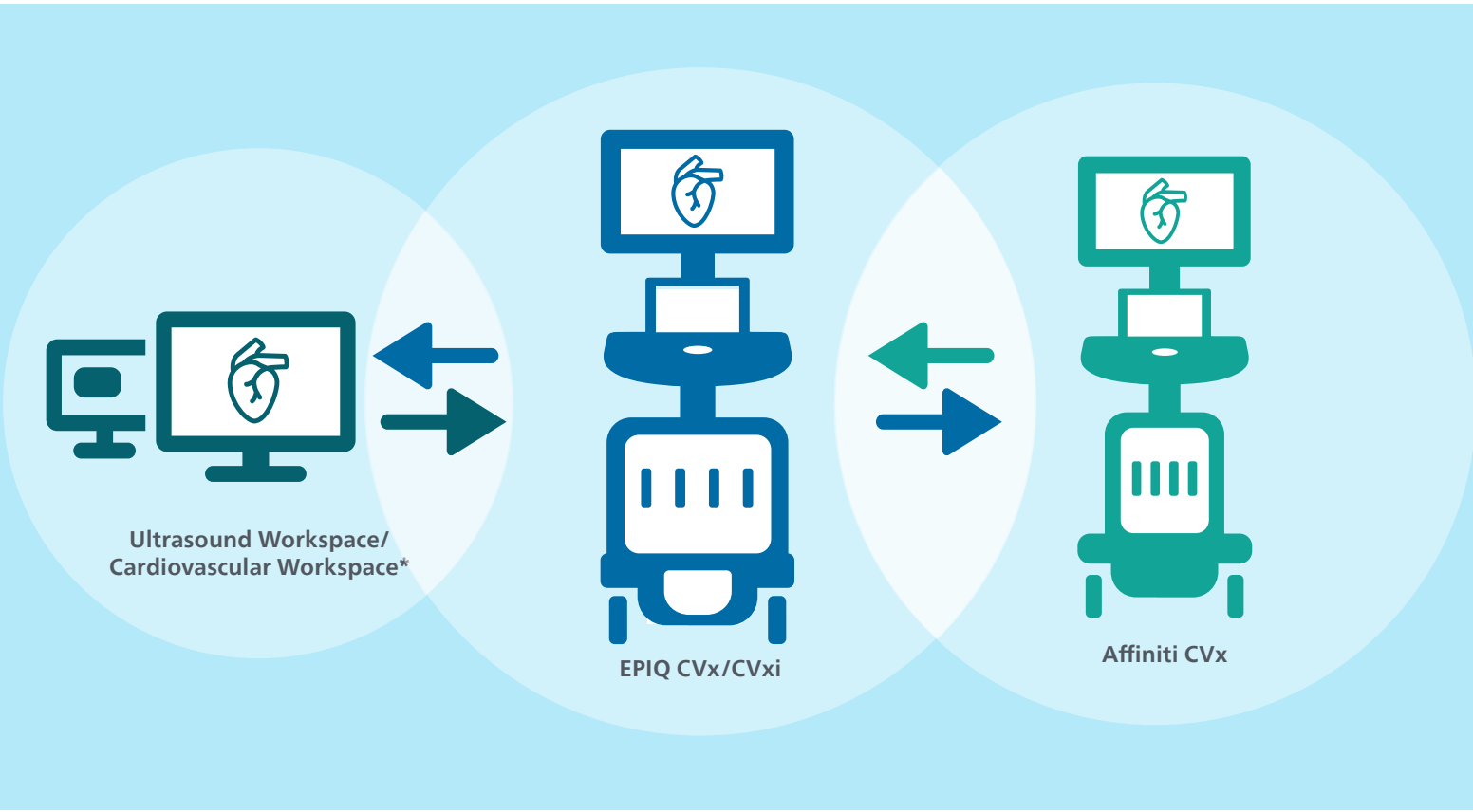
Flexible scalability

EPIQ CVx is built for scale with a unified experience, shared system DNA and the flexibility to grow with your health system.

Provide the same experience across the CV ultrasound portfolio

Clinicians have one interface and one common set of controls across most Philips devices and can feel confident working anywhere. Health systems experience easier system adoption, training and fleet management.

The CVx platform shares common DNA



Extend CV ultrasound flexibility with a shared platform

EPIQ CVx offers expanded growth opportunities with more patients, including pediatrics.[4]

Remote software management

Receive diagnostics and software remotely, schedule updates on your own time without system downtime and receive sustaining updates to keep your capabilities and security current.

* Cardiovascular Workspace is the commercial name of IntelliSpace Cardiovascular.

References

1. Ultrasound Equipment World Market Report - 2023 Edition. Signify Research.
2. The Auto Measure feature can reduce the quantification time by 51%. release 9.0 claims document 270472 A.
3. HeartModel study (4522 99117141 * MAY 2016) by Dr. Roberto Lang: Automated transthoracic three-dimensional echocardiographic quantification of the left heart chambers
4. Conclusion: RT3DE yields accurate and reproducible RV volumes. The calculated percentile curves may facilitate the clinical use of RT3DE to analyze RV function in children. This study done with Philips 3D AutoRV. Laser, K. T., et al. (2018). "Validation and Reference Values for Three-Dimensional Echocardiographic Right Ventricular Volumetry in Children: A Multicenter Study." J Am Soc Echocardiogr 31(9): 1050-1063.
5. Henry MP, et al., Three-Dimensional Transthoracic Static and Dynamic Normative Values of the Mitral Valve Apparatus: Results from the Multicenter World Alliance Societies of Echocardiography Study. J Am Soc Echocardiogr. 2022 Jul;35(7):738-751.e1. doi: 10.1016/j.echo.2022.02.010. Epub 2022 Mar 1. PMID: 35245668; PMCID: PMC10257802.
6. The AutoStrain application utilizes two automation technologies: Auto View Recognition and Auto Contour Placement. While the implementation of these automation tools drives simple, fast workflow for robust and reproducible GLS measurements, the user retains the ability to edit and override the automation to facilitate good clinical practice. AutoStrain – automated global longitudinal strain (GLS) measurement, Verena Roediger, PhD. PM, TOMTEC/Philips White Paper. Printed in The Netherlands. 4522 991 45791 * FEB 2019.
7. After performing 10 echo exams with the Compact 5500 system, there was 80% agreement that the AutoStrain LV application was fast and easy to use. 275264C_Compact 5000 Series Claims List for Marketing Communications and 277399 Compact 5000 Series User Preference
8. Reduce your 2D diagnostic echo exam time by 20% by incorporating Philips automated solutions into your everyday echo. 270472_release 9.0 Claims Evidence Report
9. AutoStrain, Auto Measure, EchoNavigator, 3D Auto MV, 3D Auto RV, HeartModel as compared to equivalent manual methodology.
10. 35% smaller tip width when compared to Philips X8-2t.
11. X11-4t mini 3D TEE is the commercial name for Transducer 11-4 MHz TEE with xMatrix Array and PureWave technology.

Talk with your Philips representative about the next dimension in echocardiography | www.philips.com/EPIQCVx

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