



CLINICAL NEWS | MOLECULAR IMAGING

## IMV: PET scan volumes continue to grow

The total volume of PET scans increased 10.2% year over year in 2023, according to the newly published IMV 2024 PET Market Summary Report.

By — Davin Korstjens

Mar 7th, 2024

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In 2023 compared with 2022, the total volume of positron emission tomography (PET) scans increased 10.2% year over year, according to the newly published *IMV 2024 PET Market Summary Report*.

In 2023, the average number of PET scans per fixed PET site (versus mobile PET) increased 6.7% from 1,401 estimated PET scans per system in 2022 to 1,495 in 2023. As of the 2023 PET survey, 62% of sites have at least one physician who reads PET



Davin Korstjens.

scans in their department, with an average of 5.4 physicians reading PET scans per site.

Looking ahead, 67% of PET sites anticipate their procedure volumes will increase over the next twelve months, 28% expect them to stay the same, and 2% expect them to decrease, according to the report.

For radiopharmaceutical usage in 2023, the report found the following:

- 74% of PET scans use F-18 FDG-PET (F-18 fluoro-2-deoxy-D-glucose),
- 9% use Pylarify (F-18 DCFPyL),
- 6% use rubidium-82 (Rb-82),
- 3% use gallium-68 (Ga-68) prostate-specific membrane antigen (PSMA)-11,
- 3% use Ga-68 DOTATATE,
- 2% use copper-64 (Cu-64),
- 1% use F-18 sodium fluoride (NaF),
- 1% use Amyvid (florbetapir), and

- 1% use Axumin (fluciclovine F-18).

In terms of 2023 spending, the average radiopharmaceutical expenditure per fixed PET site is estimated to be \$517,000.

In 2023, 38% of PET systems were operated by the PET department, 28% by nuclear medicine, 24% by radiology/imaging, 5% by radiation oncology, and 2% by molecular imaging.

Place of PET imaging by hospital department	
Department	Percentage of PET systems operated by department
PET	38%
Nuclear medicine	28%
Radiology/imaging	24%
Radiation oncology	5%
Molecular imaging	2%

By site type, 45% to 46% of hospitals with 200 beds or more operate their PET systems from a nuclear medicine department, while 49% to 54% of independent and hospital-owned sites operate theirs from a PET department. This could indicate that non-hospital sites may have a more specific focus on PET/CT exams, compared to a more broad integrative focus across nuclear medicine in hospital sites.

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*Davin Korstjens is a Senior Market Research Program Manager at IMV Medical Information Division, part of Science and Medicine Group.*

*[IMV's 2024 PET Market Summary Report](#) explores market trends in U.S. hospitals and imaging centers, including procedure volume, manufacturer-installed base features and share, the use of OEM vs. third-party service providers, purchase plans, brand loyalty, radiopharmaceutical usage, and site*

*operations characteristics. The report was published in February 2024 and is based on responses from 503 radiology/departmental administrators and clinicians who participated in IMV's nationwide survey from March 2023 to January 2024. Vendors covered in this report include Bracco, Canon, Cardinal Health, GEHC, Jubilant, Lantheus, Philips, Siemens, SOFIE and United Imaging.*

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*Disclosure: IMV Medical Information Division is a sister company of AuntMinnie.com.*

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