

2023 PET IMAGING MARKET SUMMARY REPORT

Table of Contents

I.	Backgr	ound and Objectives4
II.	Method	ology5
III.	Executi	ve Summary9
IV.	Finding	S .
	A. PET	Scan Volume14
	•	Overview of Clinical PET Scans Performed Mix of Oncology, Cardiology, and Neurology PET Scans Performed PET Imaging Oncology Scans PET Imaging Neurology Scans PET Imaging Cardiology Scans Other PET Scan Characteristics
	B. Inst	called Base of PET Imaging Systems50
	•	Units & Sites Performing PET Scans Installed Base Share PET Imaging Equipment Characteristics Service Support
	C. Pur	chase Plans for PET Imaging Systems & Market Scenarios80
	•	Overview of Purchase Plans Planned PET Equipment Characteristics Manufacturers Being Considered and Brand Loyalty PET Capital Budgets Market Scenarios for First Buyer, Replacement, and Additional PET Scanners
	D. PET	Radiopharmaceutical Utilization & Budgets97
	•	PET Radiopharmaceutical Sources Relative Use of PET Radiopharmaceuticals Budgets for PET Radiopharmaceuticals Supplier Share of PET Radiopharmaceutical Expenditures
	E. PET	T Demographics & Site Operations Characteristics 121
	•	Demographic Characteristics of PET Imaging Sites PET Site Operations Characteristics



2023 PET IMAGING MARKET SUMMARY REPORT

Exhibits

Α.	PE	I Scan Volume	. 14
	Ove	erview of Clinical PET Scans Performed	
	1.	Total Estimated Clinical PET Scans, by Current PET Capability, 2007-2022	15
	2.	Percentage Mix of Clinical PET Scans Performed, by Current PET Capability, 2003-2022	
	3.	Total PET Imaging Sites, by Current PET Capability, by IMV Census Year, 2001 to 2022	
	4.	Distribution of PET Imaging Sites and PET Scans, All Sites, by Current PET Capability, 2022	
	5.	Distribution of PET Imaging Sites and PET Scans, by Site Type, 2022	
	6.	Total Estimated Clinical PET Scans, by Site Type, 2005-2022	
	7.	Total PET Imaging Sites, by Site Type, by IMV Census Year, 2001 to 2022	
	8.	Distribution of PET Imaging Sites, by Current PET Capability and Site Type, as of 2022 PET Census Survey	
	9.	Distribution of PET Capability of PET Imaging Sites, by Site Type, as of 2022 PET Census Survey	
		Whether PET Scan Volume Will Increase, Decrease, or Stay the Same Over the Next 12 Months,	
		by Site Type, as of 2022 PET Census Survey	22
		Whether PET Scan Volume Will Increase, Decrease, or Stay the Same Over the Next 12 Months, by IMV Census Year, 2014-2022	
	12.	Anticipated 2022 PET Scan Volume, by Site Type, as of 2022 PET Census Survey	23
		Average Annual Clinical PET Scans per Site, by Current PET Capability and Site Type, 2022	
	14.	Average Annual Clinical PET Scans per Site, by Current PET Capability, 2005-2022	25
	15.	Average Annual Clinical PET Scans per Site, by Site Type, 2005-2022	25
		Distribution of PET Imaging Sites by PET Scan Volume Ranges, by Current PET Capability, 2022	
	17.	Distribution of PET Imaging Sites by PET Scan Volume Ranges, by Site Type, 2022	26
	18.	Mix of Scans Performed on PET-only, PET/CT, and PET/MR Scanners, 2022	27
	Mix	c of Oncology, Cardiology, and Neurology PET Scans Performed	
		Mix of Oncology, Cardiology, and Neurology Applications for Clinical PET Scans, 2022	28
		Total Estimated Clinical PET Scans, by Clinical Application, 2001-2022	
		Clinical PET Scan Application Mix, by Current PET Capability, 2022	
	21.	Clinical PET Scan Application Mix, by Site Type, 2022	22
		Percent of PET Imaging Sites Performing Clinical Application Types, and Mean Annual	43
	23.	PET Scans per Site Performing, 2022	20
	24	Percent of PET Imaging Sites Performing Oncology Applications, and Mean Annual Oncology	50
	24.	PET Scans per Site Performing, by Site Type, 2022	30
	25	Percent of PET Imaging Sites Performing <u>Cardiology</u> Applications, and Mean Annual Cardiology	50
	25.	PET Scans per Site Performing, by Site Type, 2022	20
	26	Percent of PET Imaging Sites Performing Neurology Applications, and Mean Annual Neurology	30
	20.	PET Scans per Site Performing, by Site Type, 2022	20
	27		
		Estimates of Clinical Applications Mix, by Current PET Capability, 2005-2022 Estimates of Percent & Number of Sites Performing PET Scans, and Average Scans per Site	31
	20.	Performing, by Clinical Application, 2014-2022	22
		refroming, by Chincar Application, 2014-2022	32
		T Imaging Oncology Scans	
		Distribution of PET Imaging Oncology Scans, by Oncology Study Type, 2022	
		Distribution of PET Imaging Oncology Scans, by Lung Cancer Study Type, 2022	
		PET Oncology Scan Volume for Lung Study Types, 2008-2022	
	32.	Distribution of PET Imaging Oncology Scans, by Oncology Study Type, 2003-2022	35
	33.	Total PET Imaging Oncology Scan Volume, by Oncology Study Type, 2011-2022	36
	34.	Percent of Sites Performing PET Oncology Scans, and Mean Annual Scans per Site Performing,	
		by Oncology Study Type, 2022	37
	PE	T Imaging Neurology Scans	
	35.	Distribution of PET Imaging Neurology Scans, by Neurology Study Type, 2022	38
		Percent of PET Imaging Sites Performing Neurology Applications, and Mean Annual	
		Neurology PET Scans per Site Performing, by Neurology Study Type, 2022	38
	37.	Types of PET Neurology Scans, by Current Fixed vs. Mobile PET Capability, 2022	39



38.	Mix of PET Neurology Study Types, by Site Type, 2022	39
PE	T Imaging Cardiology Scans	
	Distribution of PET Imaging Cardiology Scans, by Cardiology Study Type, 2022	40
	Percent of PET Imaging Sites Performing Cardiology Applications, and Mean Annual	
	Cardiology PET Scans per Site Performing, by Cardiology Study Type, 2022	40
41.	Mix of PET Cardiology Study Types, by Site Type, 2022	
ΩŧÌ	her PET Scan Characteristics	
	PET Inpatient vs. Outpatient Mix, by Hospitals vs. Hospitals, 2022	41
	PET Inpatient vs. Outpatient Mix, by Site Type, 2022	
	Percent of Sites Performing Pediatric PET Scans, by Site Type, as of 2022 PET Census Survey	
	Mix of Pediatric vs. Adult PET Scans, by Site Type, 2022	
	Number of PET Imaging Sites Performing Pediatric Scans and Mean Annual Pediatric Scans per Site Performing, by Site Type, 2022	
47	Whether Fixed PET Imaging Site Performs Research Scans, by Site Type, as of 2022 Census Survey	
	Percentage of Sites Performing Research vs. Clinical PET Scans on Fixed PET Imaging Systems, by IMV Census Year, 2005/06 to 2022.	
49	Whether PET Imaging Site Has a Grant-Funded PET Research Center on Campus, as of 2022	43
т).	PET Census Survey	4 4
50	Whether PET Imaging Site Has a Grant-Funded PET Research Center on Campus, by Site Type,	
50.	as of 2022 PET Census Survey	44
51.	Percent of Fixed PET/CT Sites Performing Diagnostic CT-Only Scans with No Associated	
	PET Scans, by Site Type, as of 2022 PET Census Survey	45
52.	Percent of Fixed PET/CT Sites Performing Diagnostic CT-Only Scans with No Associated	
	PET Scans, by IMV Census Year, 2003 to 2022	45
53.	Whether Department Currently Performs or Plans to Perform Specialized PET Scans,	
	as of 2022 PET Census Survey	46
54.	Trend in Whether Department Currently Performs Specialized PET Scans, by IMV Census Year,	
	2014 to 2022	47
55.	Whether Department Currently Uses or Plans to Use Ga68 Dotatate for Imaging	
	Neuroendocrine Tumors, by Site Type, as of 2022 PET Census Survey	48
56.	Whether Department Currently Performs or Plans to Perform PET Simulation for Radiation	
	Therapy Treatment Planning, by Site Type, as of 2022 PET Census Survey	48
57.	Whether Department Currently Performs or Plans to Perform NaF ¹⁸ Bone Scans, by Site Type,	
	as of 2022 PET Census Survey	48
58.	Whether Department Currently Uses or Plans to Use Neuroimaging Agents to Detect	
	Beta-Amyloid Plaque for Alzheimer's Disease, by Site Type, as of 2022 PET Census Survey	48
59.	Whether Department Currently Performs or Plans to Perform PET Myocardial Perfusion	
	Studies, by Site Type, as of 2022 PET Census Survey	49
60.	Whether Department Currently Performs or Plans to Perform Cardiovascular CT Studies	
	with a PET/CT Scanner, by Site Type, as of 2022 PET Census Survey	49
Ins	stalled Base of PET Imaging Systems	50
	its & Sites Performing PET Scans	
1.	Distribution of Fixed PET Imaging Systems in Hospital vs. Non-Hospital Sites, as of 2022	<i>~</i> 4
2	PET Census Survey	
2.	Distribution of Fixed PET Imaging Systems, by IMV Census Year, 2001 to 2022	
3.	Mix of Fixed PET Imaging Installed Base, by PET Scanner Type, as of 2022 PET Census Survey	D I



4.	Distribution of Fixed PET Imaging Systems, by Hospital vs. Non-Hospital Location, by IMV	
	Census Year, 2001 to 2022	52
5.	Distribution of Hospital and Non-Hospital Sites with Fixed PET Imaging Systems, by IMV	
	Census Year, 2001 to 2022	
6.	Fixed PET Imaging System Installed Base, by Year of Installation, as of 2022 PET Census Survey	53
7.	Distribution of Mobile vs. Fixed PET Imaging Sites, by Site Type, as of 2022 PET Census Survey	54
8.	Site Type Mix of Sites with Mobile vs. Fixed PET Imaging Systems, by Site Type, as of	
	2022 PET Census Survey	54
9.	Mobile vs. Fixed PET Imaging: Sites and Units, as of 2022 PET Census Survey	54
10.	Distribution of Fixed PET-only, PET/CT and PET/MR Scanners, by Site Type,	
	as of 2022 PET Census Survey	55
11.	Distribution of Sites, by Number of Fixed PET Imaging Systems Installed, by Site Type,	
	as of 2022 PET Census Survey	56
12.	Average Age and Distribution of the Fixed PET Imaging System Installed Base, by Year of	
	Installation, by Site Type, as of 2022 PET Census Survey	57
	talled Base Share	
13.	Installed Base Share of Fixed PET Imaging Systems, by Manufacturer, as of 2022 PET	
	Census Survey	58
14.	Installed Base Share of Fixed PET Imaging Systems, by Manufacturer, by IMV Census Year,	
	2003 to 2022	58
15.	Installed Base Share of Fixed PET Imaging Systems, by Manufacturer, by Site Type,	
	as of 2022 PET Census Survey	59
16.	Installed Base Share of Fixed PET Imaging Systems, by Manufacturer, by PET Scanner Type,	
	as of 2022 Census Survey	59
17.	Installed Base Share of Fixed PET Imaging Systems, by Installation Time Frames, as of 2022	
	PET Census Survey	60
18.	Percent Distribution of Fixed PET/CT Installed Base, by Manufacturer, as of 2022 PET	
	Census Survey	61
19.	Fixed PET/CT Installed Base Share, by Manufacturer, by IMV Census Year, 2003 to 2022	61
20.	Fixed PET/CT Installed Base Share, by Manufacturer, by Site Type, as of 2022 PET Census Survey.	62
	T Imaging Equipment Characteristics	
21.	Average Age and Distribution of the Fixed PET/CT Installed Base, by Year of Installation, by	
	Site Type, as of 2022 PET Census Survey	63
22.	Percent Distribution of PET/CT Installed Base, by Number of CT Slices, as of 2022 PET Census	
	Survey	6∠
23.	Distribution of PET/CT Installed Base, by Number of CT Slices, by Site Type, as of	
	2022 PET Census Survey	64
24.	Distribution of PET/CT Installed Base, by Number of CT Slices, by IMV Census Year,	
	2005/06 to 2022	
	PET/CT Installed Base Market Share, by Number of CT Slices, as of 2022 PET Census Survey	66
26.	Installed Base Mix of Fixed PET/CT Scanners, by Number of CT Slices, by Installation Time	
	Frames, as of 2022 PET Census Survey	
	Bore Size of Installed PET/CT Scanners, as of 2022 PET Census Survey	68
28.	Distribution of Installed Base of PET/CT Scanners, by Bore Size, by Site Type, as of 2022	
	PET Census Survey	68
29.	Distribution of Installed Base of PET/CT Scanners, by Bore Size, by IMV Census Year,	
	2014 to 2022	69
30.	PET/CT Installed Base Market Share, by Bore Size, as of 2022 PET Census Survey	70
	Installed Base Mix of Fixed PET/CT Scanners, by Bore Size, by Installation Time Frames,	
	as of 2022 PET Census Survey	71
32.	Whether Fixed PET/CT Scanners Installed in 2015 and After Have Digital Detectors, as of 2022	
	PET Census Survey	72
33.	Whether Fixed PET/CT Scanners Installed in 2015 and After Have Digital Detectors (excluding	
	"unspecified"), by Site Type, as of 2022 PET Census Survey	72



	34.	Whether Fixed PET/CT Scanners Installed in 2015 and After Have Digital Detectors (including "unspecified"), by IMV Census Year, 2017 to 2022	72
	35.	Whether Fixed PET/CT Scanners Installed in 2015 and After Have Digital Detectors (excluding	
	36.	"unspecified"), by IMV Census Year, 2017 to 2022	73
		as of 2022 PET Census Survey	74
	37.	Whether Fixed PET/CT Scanner Has Time of Flight Capability, by IMV Census Year,	
	20	Whether Fixed PET/CT Scanner Has Time of Flight Capability, by Site Type, as of 2022	74
	38.	PET Census Survey	74
	39.	Whether Fixed PET Imaging System Has Point Spread Function, by PET Scanner Type,	/4
		as of 2022 PET Census Survey	75
		Whether Fixed PET/CT Scanner Has Point Spread Function, by IMV Census Year, 2014 to 2022	
	41.	Whether Fixed PET/CT Scanner Has Point Spread Function, by Site Type, as of 2022 PET	
	40	Census Survey	75
	42.	Whether Fixed PET Imaging System Has Cardiac Gating, by PET Scanner Type, as of 2022 PET Census Survey	76
	43.	Whether Fixed PET/CT Scanner Has Cardiac Gating, by IMV Census Year, 2014 to 2022	
		Whether Fixed PET/CT Scanner Has Cardiac Gating, by Site Type, as of 2022 PET Census Survey	
		Whether Fixed PET Imaging System Has Respiratory Gating, by PET Scanner Type, as of 2022	
		PET Census Survey	
		Whether Fixed PET/CT Scanner Has Respiratory Gating, by IMV Census Year, 2014 to 2022	77
	47.	Whether Fixed PET/CT Scanner Has Respiratory Gating, by Site Type, as of 2022 PET Census Survey	77
		Celisus Survey	/ /
		vice Support	
	48.	Distribution of Sources of Service Support for PET Imaging Systems, by Site Type, as of	
			70
		2022 PET Census Survey	78
		2022 PET Census Survey Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	
C.	49.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79
C.	49. Pu i	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022 rchase Plans for PET Imaging Systems & Market Scenarios	79
C.	49. Pui <i>Ove</i>	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022 rchase Plans for PET Imaging Systems & Market Scenarios	79
C.	49. Pu i	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80
C.	49. Pui <i>Ove</i>	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81
C.	49. Pui Ove 1. 2.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81
C.	49. Pui Ove 1. 2.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82
C.	49. Pui Ove 1. 2.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82
C.	49. Pui Ove 1. 2.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83
C.	49. Pui Ove 1. 2. 3. 4.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83
C.	49. Pui Ove 1. 2. 3. 4.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83
C.	49. Pui Ove 1. 2. 3. 4.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	81 82 83
C.	49. Pui Ove 1. 2. 3. 4.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	81 82 83 83
C.	49. Puil Ove 1. 2. 3. 4. Pla. 5.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	81 82 83 83
C.	49. Put Ove 1. 2. 3. 4. Pla: 5.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	81 82 83 85 85
C.	49. Puil Ove 1. 2. 3. 4. Pla. 5.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	81 82 83 85 85
C.	49. Puil Ove 1. 2. 4. Pla. 5. 6.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83 83 85 85
C.	49. Puil Ove 1. 2. 4. Pla. 5. 6.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83 83 85 85 86
C.	49. Puil Ove 1. 2. 3. 4. Pla: 5. 6. 7. 8.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83 83 85 85 86
c.	49. Puil Ove 1. 2. 3. 4. Pla: 5. 6. 7. 8.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83 85 85 86 86
C.	49. Pui Ove 1. 2. 3. 4. Pla. 5. 6. 7. 8. 9. 10.	Distribution of Sources of Service Support for PET Imaging Systems, by IMV Census Year, 2005 to 2022	79 80 81 82 83 85 85 86 86 86



	12.	Distribution of Planned PET/CT Purchases, by Bore Size (including "Don't Know"), as of 2022	
	13.	PET Census Survey	87
		2022 PET Census Survey	87
		Whether Planned PET Imaging Systems Will Have a Digital Detector, as of 2022 PET Census Survey Whether Planned PET Imaging Systems Will Have a Digital Detector (including "Don't Know"),	
	1.0	as of 2022 PET Census Survey	
		Plans for New vs. Refurbished PET Scanners, as of 2022 PET Census Survey	
		Plans for New vs. Refurbished PET Scanners, by Site Type, as of 2022 PET Census Survey	89
	10.	as of 2022 PET Census Survey	00
	10	Current PET Replacement Cycle, Based on 2022 PET Census Survey Responses	
		Average Age of PET Imaging Systems Upon Replacement, by IMV Census Year, 2003 to 2022	
		nufacturers Being Considered and Brand Loyalty	
	21.	Percent Distribution of Sites Mentioning Manufacturers Being Considered for Future PET	02
	22	Imaging System Purchases, as of 2022 PET Census Survey.	92
	22.	Percent Distribution of Sites Mentioning Manufacturers Being Considered for Future PET Imaging System Purchases, by IMV Census Year, 2008 to 2022	02
	23	Brand Loyalty: PET Manufacturers Being Considered by Current PET Imaging Sites,	72
	23.	as of 2022 PET Census Survey	93
		•)3
		T Capital Budgets	
		Distribution of 2022 PET Capital Equipment Budgets, as of 2022 PET Census Survey	
		PET Capital Equipment Budget Trend, by Budget Year, 2007-2022	94
	26.	Distribution of 2022 PET Capital Equipment Budgets, by Current Fixed vs. Mobile PET Capability,	0.5
	27	as of 2022 PET Census Survey	
		Distribution of 2022 PET Capital Equipment Budgets, by Site Type, as of 2022 PET Census Survey	
		Distribution of 2022-2024 PET Capital Equipment Budgets, as of 2022 PET Census Survey Trend in Reported 2022 PET Capital Equipment Budgets, by Census Survey Year, 2018 to 2022	
	47.	Tiend in Reported 2022 FET Capital Equipment Budgets, by Census Survey Tear, 2016 to 2022	
			70
D.	PE	T Radiopharmaceutical Utilization & Budgets	
D.		T Radiopharmaceutical Utilization & Budgets	
D.		T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources	. 97
D.	PE	T Radiopharmaceutical Utilization & Budgets	. 97 98
D.	PE 2	T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	. 97 98
D.	PE 2.	T Radiopharmaceutical Utilization & Budgets	. 97 98 98
D.	PE 2. 1. 2. 3.	T Radiopharmaceutical Utilization & Budgets	. 97 98 98 99
D.	PE 2. 1. 2. 3. 4. 5.	T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	. 97 98 98 99 99
D.	PE 2. 1. 2. 3. 4. 5. 6.	T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	. 97 98 98 99 99
D.	PE 2. 1. 2. 3. 4. 5.	T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022 Percent of Clinical PET Scans Supplied by Outside Suppliers vs. Cyclotron on Site, 2001-2022 Radiopharmaceutical Sources for PET Imaging Sites, by Current Fixed vs. Mobile PET Capability, 2022 Radiopharmaceutical Sources for PET Imaging Sites, by Site Type, 2022 Distribution of Clinical PET Scans, by Source of Radiopharmaceuticals, by Site Type, 2022 Average Clinical PET Scans per Site, by Source of Radiopharmaceuticals, by Current Fixed vs.	. 97 98 98 99 99 100 100
D.	PE: 1. 2. 3. 4. 5. 6. 7.	T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022 Percent of Clinical PET Scans Supplied by Outside Suppliers vs. Cyclotron on Site, 2001-2022 Radiopharmaceutical Sources for PET Imaging Sites, by Current Fixed vs. Mobile PET Capability, 2022 Radiopharmaceutical Sources for PET Imaging Sites, by Site Type, 2022 Distribution of Clinical PET Scans, by Source of Radiopharmaceuticals, by Site Type, 2022 Average Clinical PET Scans per Site, by Source of Radiopharmaceuticals, by Current Fixed vs. Mobile PET Capability, 2022	97 98 98 99 99 100 100
D.	PE2 1. 2. 3. 4. 5. 6. 7.	T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 99 100 100
D.	PE: 1. 2. 3. 4. 5. 6. 7.	T Radiopharmaceutical Utilization & Budgets Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101
D.	PE2 1. 2. 3. 4. 5. 6. 7.	T Radiopharmaceutical Utilization & Budgets T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101
D.	PET: 1. 2. 3. 4. 5. 6. 7. 8. 9.	T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101
D.	PET 1. 2. 3. 4. 5. 6. 7. 8. 9. Relation	T Radiopharmaceutical Utilization & Budgets Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022 Percent of Clinical PET Scans Supplied by Outside Suppliers vs. Cyclotron on Site, 2001-2022 Radiopharmaceutical Sources for PET Imaging Sites, by Current Fixed vs. Mobile PET Capability, 2022 Radiopharmaceutical Sources for PET Imaging Sites, by Site Type, 2022 Distribution of Clinical PET Scans, by Source of Radiopharmaceuticals, by Site Type, 2022 Average Clinical PET Scans per Site, by Source of Radiopharmaceuticals, by Current Fixed vs. Mobile PET Capability, 2022 Average Clinical PET Scans per Site, by Source of Radiopharmaceuticals, All Sites, 2008-2022 Average Clinical PET Scans per Site, by Source of Radiopharmaceuticals, All Sites, 2008-2022 Average Clinical PET Scans per Site, by Source of Radiopharmaceuticals, for Fixed PET Imaging Sites, 2008-2022	97 98 99 100 100 101
D.	PET 1. 2. 3. 4. 5. 6. 7. 8. 9. Rel. 10.	T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101 101
D.	PET 1. 2. 3. 4. 5. 6. 7. 8. 9. PEL 10. 11.	T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101 101
D.	PET 1. 2. 3. 4. 5. 6. 7. 8. 9. PEL 10. 11.	T Radiopharmaceutical Utilization & Budgets Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101 101 102 102
D.	PET 1. 2. 3. 4. 5. 6. 7. 8. 9. Pet 10. 11. 12.	T Radiopharmaceutical Utilization & Budgets	97 98 98 99 100 100 101 101 102 102
D.	PET 1. 2. 3. 4. 5. 6. 7. 8. 9. Pet 10. 11. 12.	T Radiopharmaceutical Utilization & Budgets Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101 101 102 102
D.	PET 1. 2. 3. 4. 5. 6. 7. 8. 9. PEL 10. 11. 12. 13.	T Radiopharmaceutical Sources Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 98 99 100 100 101 101 102 102
D.	PE: 1. 2. 3. 4. 5. 6. 7. 8. 9. Pel: 10. 11. 12. 13. 14.	T Radiopharmaceutical Utilization & Budgets Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	. 97 98 98 99 100 100 101 101 102 102 103
D.	PE: 1. 2. 3. 4. 5. 6. 7. 8. 9. Pel: 10. 11. 12. 13. 14.	T Radiopharmaceutical Utilization & Budgets Total Estimated Clinical PET Scans, by Source of Radiopharmaceuticals, 2001-2022	97 98 99 100 100 101 101 102 102 103 104



16.	Whether Department Currently Performs Prostate Scans Using Axumin, by IMV Census	
	Year, 2018 to 2022	106
17.	Percent of Sites Performing Prostate Scans Using Axumin and Mean Annual PET Scans	
	per Site, by Site Type, 2022	106
18.	Whether Department Currently Performs Prostate Scans Using Axumin, by Current Fixed vs.	
	Mobile PET Capability, as of 2022 PET Census Survey	106
19.	Whether Department Currently Performs Neuroendocrine Scans Using Ga-68 Dotatate, by IMV	
	Census Year, 2017 to 2022	107
20.	Percent of Sites Performing Neuroendocrine Scans Using Ga-68 Dotatate and Mean Annual	
	PET Scans per Site, by Site Type, 2022	107
21.	Whether Department Currently Performs Neuroendocrine Scans Using Ga-68 Dotatate, by	
	Current Fixed vs. Mobile PET Capability, as of 2022 PET Census Survey	107
22.	Whether Department Currently Performs PET Myocardial Perfusion Studies, by Current	
	Fixed vs. Mobile PET Capability, as of 2022 PET Census Survey	108
23.	Whether Department Currently Performs PET Myocardial Perfusion Studies, by IMV Census	
	Year, 2011 to 2022	108
24.	Whether Department Currently Performs PET Myocardial Perfusion Studies, by Site Type,	
	as of 2022 PET Census Survey	108
25.	Percent of Sites Performing PET Myocardial Perfusion Studies and Mean Annual PET Scans	
	per Site, by Site Type, 2022	109
26.	Distribution of 2022 PET Myocardial Perfusion Studies, by Whether Stressed or Not Stressed	
	with a Pharmacological Stress Agent	110
27.	Percent Distribution of PET Pharmacological Stress Agents Used in PET Myocardial	
	Perfusion Studies, 2022.	110
28.	Percent Distribution of PET Pharmacological Stress Agents Used in PET Myocardial	
	Perfusion Studies, by Site Type, 2022	110
29.	Percent of PET Myocardial Perfusion Studies Using PET Radiopharmaceutical Agents, 2022	
	Percent of Sites Performing PET Myocardial Perfusion Studies Using Rb ⁸² and Mean Annual	
50.	PET Scans per Site, by Site Type, 2022.	111
31	Percent of Sites Performing PET Myocardial Perfusion Studies Using N ¹³ Ammonia and Mean	111
51.	Annual PET Scans per Site, by Site Type, 2022	111
32	Average Price per Dose of F ¹⁸ DG Used in the Last Full Quarter for PET Scans, by Site Type,	111
32.	as of 2022 PET Census Survey	112
33	Whether F ¹⁸ DG Price per Dose Includes Shipping, as of 2022 PET Census Survey	
	Percent Distribution of Millicuries of F ¹⁸ DG Injected per Patient, by Site Type, as of 2022	112
34.	PET Census Survey	112
	ret census survey	113
Dar	doots for DET Padionharmacouticals	
	dgets for PET Radiopharmaceuticals Distribution of 2022 PET Padiopharmaceutical Pudgets for Fixed PET Imaging Sites Haing	
33.	Distribution of 2022 PET Radiopharmaceutical Budgets, for Fixed PET Imaging Sites Using	114
26	Outside Suppliers	
	Distribution of PET Radiopharmaceutical Budgets, by Site Type, 2022	
37.	Average PET Radiopharmaceutical Expenditures per Fixed PET Imaging Site, by Site Type, 2022	115
38.	Average PET Radiopharmaceutical Expenditures per Clinical PET Scan at Fixed PET	115
20	Imaging Sites, by Site Type, 2022	
	PET Radiopharmaceutical Budget Trend for Sites with Fixed PET Imaging Units, 2008-2022	
	Distribution of 2019-2022 PET Radiopharmaceutical Budgets, as of 2022 PET Census Survey	
41.	PET Radiopharmaceutical Expenditures, in Fixed PET Imaging Sites, by Site Type, 2022	117
	pplier Share of PET Radiopharmaceutical Expenditures	
42.	Market Share of PET Radiopharmaceutical Suppliers, Based on PET Radiopharmaceutical	
	Expenditures, 2022	
	Percent of PET Sites Mentioning Radiopharmaceutical Suppliers Used, 2022	118
44.	Market Share Trend of PET Radiopharmaceutical Suppliers, Based on PET Radiopharmaceutical	
	Expenditures for Fixed PET Imaging Sites, 2003-2022	119
45.	Market Share of PET Radiopharmaceutical Suppliers, Based on PET Radiopharmaceutical	
	Expenditures, by Site Type, 2022	120



E.	PE	T Demographics & Site Operations Characteristics	. 121
	Der	nographic Characteristics of PET Imaging Sites	
	1.	Department Operating PET Imaging Equipment, by Site Type, as of 2022 PET Census Survey	122
	2.	Ownership Status of Non-Hospital PET Imaging Sites, as of 2022 PET Census Survey	
	3.	Type of Independent Non-Hospital Sites, as of 2022 PET Census Survey	
	4.	Hospital Bed Size Mix of Hospital PET Imaging Sites, as of 2022 PET Census Survey	
	5.	Hospital Ownership Type, as a Percentage of Hospitals, as of 2022 PET Census Survey	
	6.	Year PET Imaging Facility Started Performing PET Scans, by Site Type, as of 2022 PET	
		Census Survey.	126
	7.	Year PET Imaging Facility Started Performing PET Scans, by Current Fixed vs. Mobile PET	
		Capability, as of 2022 PET Census Survey	126
	PE'	T Site Operations Characteristics	
	8.	Average PET Scans Performed per Fixed PET Imaging System, by Site Type, 2022	127
	9.	Average PET Scans Performed per Fixed PET Imaging System, 2003-2022	
	10.	Percent of Fixed PET Imaging Sites with Staff Types, by Site Type, as of 2022 PET Census Survey.	128
	11.	Mean Number of Employees per Fixed PET Imaging Site Having that Staff Type, by Site Type,	
		as of 2022 PET Census Survey	128
	12.	Number of Technologists Involved with Performing or Preparing Patients for Scans on a	
		Typical Day at Fixed PET Imaging Sites, as of 2022 PET Census Survey	129
	13.	Number of Technologists Involved with Performing or Preparing Patients for Scans on a	
		Typical Day at Fixed PET Imaging Sites, by Site Type, as of 2022 PET Census Survey	129
	14.	Average Annual Clinical PET Scans per Technologist Staffing Level at Fixed PET Imaging Sites, 2005-2022.	120
	15	Whether PET Schedulers Work Within the PET Department or in Central Scheduling, as of	129
	15.	2022 PET Census Survey	130
	16	Distribution of Sites, by Number of Schedulers in the PET Imaging Department, as of	150
	10.	2022 PET Census Survey	130
	17	Whether Fixed PET Imaging Sites have a Nuclear Medicine Physicist on Staff, by Site Type,	150
	-,.	as of 2022 PET Census Survey	131
	18.	Distribution of Sites, by Total Physicians in Department Who Read PET Imaging Scans,	
		by Site Type, as of 2022 PET Census Survey	132
	19.	Distribution of Sites, by Total Physicians in Department Who Read PET Imaging Scans,	
		by Current Fixed vs. Mobile PET Capability, as of 2022 PET Census Survey	132
	20.	Average Annual PET Imaging Scans Read per Physician per Site, by Current Fixed vs. Mobile	
		PET Capability and Site Type, 2022	133
	21.	Distribution of Sites that Send PET Scans to Off-Site Radiology Service to be Read,	
		by Site Type, as of 2022 PET Census Survey	
		Specialties of Physicians Reading PET Scans, as of 2022 PET Census Survey	
		Specialties of Physicians Reading PET Scans, by Site Type, as of 2022 PET Census Survey	
	24.	Ranking of Top Referring Physicians, by Type of Physician, as of 2022 PET Census Survey	136



25.	Waiting Time for Non-Emergency Outpatient PET Scan, by Site Type, as of 2022 PET	
	Census Survey	. 137
26.	Waiting Time for Non-Emergency Outpatient PET Scan, by Current Fixed vs. Mobile PET	
	Capability, as of 2022 PET Census Survey	. 137
27.	Trend in Waiting Time for Non-Emergency Outpatient PET Scan, at Sites with Fixed PET	
	Imaging Systems, by IMV Census Year, 2001 to 2022	. 138
28.	Hours per Week (Monday-Friday) PET Department Open for Scheduled PET Scans, by Current	
	Fixed vs. Mobile PET Capability, as of 2022 PET Census Survey	. 139
29.	Hours per Weekend PET Department Open for Scheduled PET Scans, by Current Fixed vs.	
	Mobile PET Capability, as of 2022 PET Census Survey	. 139
30.	Hours per Week (Monday-Friday) PET Department Open for Scheduled PET Scans, by Site Type,	
	as of 2022 PET Census Survey	. 140
31.	Hours per Weekend PET Department Open for Scheduled PET Scans, by Site Type,	
	as of 2022 PET Census Survey	. 140
32.	PET Sites Using Fixed PET Imaging Systems vs. Mobile Services Exclusively, as of 2022	
	PET Census Survey	. 141
33.	Number of Days per Month Mobile PET Service is Used, as of 2022 PET Census Survey	. 141
Aba	out IMV	. 143