



COLLEGE of AMERICAN
PATHOLOGISTS

Laboratory Quality Solutions

Surveys and Anatomic Pathology Education Programs

Performance Improvement Program in Surgical Pathology PIP/PIPW-A 2025

Participant Summary

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2025 PIP/PIPW-A PARTICIPANT SUMMARY

Program Update This report summarizes the diagnostic responses for set A of the 2025 Performance Improvement Program in Surgical Pathology (PIP & PIPW).

A tabulation of the responses to the supplementary questions is not included since these are intended for educational purposes only.

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Note: Beginning in 2025 the first two cases of the online version of PIP (PIPW- PIP Web version) will not duplicate the first 2 cases in the PIP (Glass slide) program.

The PIPW/PIPW1 programs offer 10 cases with the benefit of slides being provided in an online, whole slide image format, which allows for each clinical case history and respective slide to be presented in a side-by-side format. This allows for inclusion of smaller tumors and biopsies.

Cases W01 and W02 show results from PIPW/PIPW1 participants.

Cases 01 and 02 show results from PIP/PIP1 participants.

Slide Donation: The CAP Surgical Pathology Committee relies on the donations of tissue blocks to sustain the PIP glass slide Proficiency Testing Survey and greatly appreciates any donated tissue blocks for use in the PIP Surveys. At the end of each year, case donors who submitted cases during the year will be listed in the PIP-D PSR by individual or institution. Due to patient confidentiality, individual cases will not be listed by institution. The CAP can provide a limited reimbursement for acceptable donated blocks from laboratories. All PIP cases are authored only by Surgical Pathology Committee members. For details, donation forms, and additional information please see <https://www.cap.org/laboratory-improvement/proficiency-testing/anatomic-pathology-education-programs>

Case # 2025-W01	Diagnosis					
	Organizing diffuse alveolar damage					
	Code	Diagnosis	PIP Participants		PIPW Participants	
			No.	%	No.	%
		Hypersensitivity pneumonitis			58	12.5
		Organizing diffuse alveolar damage			285	61.6
	Organizing pneumonia			42	9.1	
	Sarcoidosis			14	3.0	
	Usual interstitial pneumonia			64	13.8	

Case # 2025-W02

Diagnosis					
Syringomatous tumor of the nipple					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
	Low-grade adenosquamous carcinoma			15	3.4
	Microglandular adenosis			23	5.2
	Nipple adenoma			136	30.9
	Syringomatous tumor of the nipple			255	58.0
	Tubular adenoma			7	1.6
	Tubular carcinoma			4	0.9

Case # 2025-01

Diagnosis							
(2159) Malignant peripheral nerve sheath tumor							
Code		Diagnosis		PIP Participants		PIPW Participants	
				No.	%	No.	%
1486		Cellular schwannoma		16	0.3		
1283		Dedifferentiated liposarcoma		7	0.1		
2389		Leiomyosarcoma		7	0.1		
2159		Malignant peripheral nerve sheath tumor		5549	99.4		
1649		Solitary fibrous tumor		3	0.1		

Case # 2025-02

Diagnosis					
(1886) Juvenile granulosa cell tumor					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2081	Adult granulosa cell tumor	32	0.6		
1886	Juvenile granulosa cell tumor	5494	98.3		
2496	Sertoli–Leydig cell tumor	38	0.7		
5694	Small cell carcinoma of the ovary, hypercalcemic type	15	0.3		
2467	Yolk sac tumor	5	0.1		

Case # 2025-03

Diagnosis					
(5924) Signet-ring cell carcinoma of the colon					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1944	Epithelioid hemangioendothelioma	4	0.1	6	1.4
5922	Goblet cell adenocarcinoma	52	0.9	66	15.5
2963	Metastatic clear cell renal cell carcinoma	8	0.1	29	6.8
5923	Metastatic lobular carcinoma of the breast	24	0.4	17	4.0
5924	Signet-ring cell carcinoma of the colon	5493	98.5	308	72.3

Case # 2025-04

Diagnosis					
(1984) Chromophobe renal cell carcinoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1984	Chromophobe renal cell carcinoma	5547	99.3	369	88.3
1665	Clear cell renal cell carcinoma	7	0.1	22	5.3
3016	Low-grade oncocytic tumor	7	0.1	11	2.6
2352	Oncocytoma	20	0.4	9	2.2
5836	Succinate dehydrogenase-deficient renal cell carcinoma	3	0.1	7	1.7

Case # 2025-05

Diagnosis							
(2300) Solid pseudopapillary neoplasm							
Code		Diagnosis		PIP Participants		PIPW Participants	
				No.	%	No.	%
2414	Acinar cell carcinoma			9	0.2	8	1.9
1305	Pancreatic ductal adenocarcinoma			7	0.1	5	1.2
2418	Pancreatoblastoma			15	0.3	14	3.4
2300	Solid pseudopapillary neoplasm			5541	99.2	377	90.4
1736	Well-differentiated neuroendocrine tumor			10	0.2	13	3.1

Case # 2025-06

Diagnosis					
(2889) Salivary duct carcinoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2887	Adenoid cystic carcinoma with high-grade transformation	14	0.3	25	6.1
5925	Intraductal carcinoma	29	0.5	45	11.0
5926	Metastatic prostate carcinoma	5	0.1	3	0.7
5927	Mucoepidermoid carcinoma high-grade	23	0.4	22	5.4
2889	Salivary duct carcinoma	5510	98.7	313	76.7

Case # 2025-07

Diagnosis					
(5928) Follicular large B-cell lymphoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2268	Classic Hodgkin lymphoma	4	0.1	3	0.7
1929	Diffuse large B-cell lymphoma not otherwise specified	167	3.0	108	26.9
5928	Follicular large B-cell lymphoma	5338	95.5	216	53.7
1990	Splenic marginal zone lymphoma	71	1.3	74	18.4
5929	White pulp hyperplasia	3	0.1	1	0.2

Case # 2025-08

Diagnosis					
(1960) Nodular fasciitis					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5768	Cellular myxoma	33	0.6	33	8.3
1645	Desmoid tumor	21	0.4	18	4.5
1058	Myxofibrosarcoma	49	0.9	32	8.1
1178	Myxoid dermatofibrosarcoma protuberans	14	0.3	20	5.1
1960	Nodular fasciitis	5452	97.9	293	74.0

Case # 2025-09

Diagnosis					
(5932) Sebaceous lymphadenoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1547	Acinic cell carcinoma	14	0.3	11	2.8
5930	Intranodal mucoepidermoid carcinoma	48	0.9	38	9.7
5931	Metaplastic Warthin tumor	22	0.4	30	7.6
1745	Metastatic squamous cell carcinoma	2	<0.1	3	0.8
1812	Pleomorphic adenoma	10	0.2	5	1.3
5932	Sebaceous lymphadenoma	5474	98.2	306	77.9

Case # 2025-10

Diagnosis					
(2743) Clear cell sarcoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5933	Cellular blue nevus	11	0.2	8	2.1
2743	Clear cell sarcoma	5455	97.9	284	73.2
1620	Malignant melanoma	63	1.1	63	16.2
2316	Perivascular epithelioid cell tumor	23	0.4	18	4.6
1129	Synovial sarcoma, monophasic	21	0.4	15	3.9

This concludes the report.



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