



COLLEGE of AMERICAN
PATHOLOGISTS

Laboratory Quality Solutions

Surveys and Anatomic Pathology Education Programs

Performance Improvement Program in Surgical Pathology

PIP/PIPW-B 2025

Participant Summary

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2025 PIP/PIPW-B PARTICIPANT SUMMARY

Program Update This report summarizes the diagnostic responses for set B 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: The first two cases of the online version of PIP (PIPW- PIP Web version) do 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-W11	Diagnosis					
	Pituicytoma					
	Code	Diagnosis	PIP Participants		PIPW Participants	
			No.	%	No.	%
		Fibrous meningioma			26	5.8
		Pilocytic astrocytoma			28	6.2
		Pituicytoma			280	62.1
		Pituitary neuroendocrine tumor			26	5.8
		Schwannoma of the optic chiasm			91	20.2

Case # 2025-W12

Diagnosis					
Diffuse lupus nephritis class IV					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
	Anti-glomerular basement membrane disease			41	9.5
	Diffuse lupus nephritis class IV			329	76.5
	IgA vasculitis (Henoch-Sch nlein purpura)			27	6.3
	Infection-associated glomerulonephritis			25	5.8
	Pauci-immune necrotizing and crescentic glomerulonephritis			8	1.9

Case # 2025-11

Diagnosis					
(5936) Metastatic epithelioid trophoblastic tumor					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5934	Metastatic cervical squamous cell carcinoma	24	0.4		
5935	Metastatic epithelioid leiomyosarcoma	59	1.1		
5936	Metastatic epithelioid trophoblastic tumor	5205	94.9		
5937	Metastatic gestational choriocarcinoma	74	1.3		
5938	Metastatic placental site trophoblastic tumor	126	2.3		

Case # 2025-12

Diagnosis					
(5939) Thymoma, type B1					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5912	Thymic carcinoid/neuroendocrine tumor	3	0.1		
2385	Thymic carcinoma	16	0.3		
2185	Thymic hyperplasia	40	0.7		
5939	Thymoma, type B1	5417	98.6		
5940	T-lymphoblastic leukemia/lymphoma NOS	16	0.3		

Case # 2025-13

Diagnosis					
(5942) Invasive lobular carcinoma, pleomorphic subtype					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2454	Diffuse large B-cell lymphoma	5	0.1	1	0.2
5941	Gastric signet ring cell carcinoma	2	<0.1	3	0.7
2699	Invasive ductal carcinoma	13	0.2	17	4.0
5942	Invasive lobular carcinoma, pleomorphic subtype	5465	99.5	404	94.4
5943	Myofibroblastoma, epithelioid variant	5	0.1	3	0.7

Case # 2025-14

Diagnosis					
(5944) Borderline endometrioid tumor					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5944	Borderline endometrioid tumor	5424	98.9	354	88.3
5945	Ovarian adenosarcoma	38	0.7	33	7.8
5946	Sertoli–Leydig cell tumor	8	0.1	10	2.4
5947	Wolffian tumor	17	0.3	27	6.4
2467	Yolk sac tumor	0	0.0	1	0.2

Case # 2025-15

Diagnosis					
(5948) Metastatic appendiceal adenocarcinoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1072	Mesothelioma	5	0.1	2	0.5
5948	Metastatic appendiceal adenocarcinoma	5302	96.6	276	66.3
5790	Metastatic appendiceal goblet cell adenocarcinoma	124	2.3	72	17.3
5949	Metastatic low-grade appendiceal mucinous neoplasm	54	1.0	61	14.7
5697	Metastatic pancreatic ductal adenocarcinoma	2	<0.1	5	1.2

Case # 2025-16

Diagnosis					
(1982) Serous cystadenoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5950	Cystic neuroendocrine neoplasm	5	0.1	4	1.0
1079	Intraductal papillary mucinous neoplasm	5	0.1	4	1.0
1559	Mucinous cystic neoplasm	23	0.4	29	7.1
1304	Pancreatic pseudocyst	17	0.3	30	7.4
1982	Serous cystadenoma	5432	99.0	338	82.8
2300	Solid pseudopapillary neoplasm	6	0.1	3	0.7

Diagnosis					
(5951) Epithelioid sarcoma, proximal type					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5951	Epithelioid sarcoma, proximal type	5371	97.7	277	69.8
5952	Extrarenal rhabdoid tumor	105	1.9	110	27.7
1674	Metastatic melanoma	1	<0.1	1	0.3
1745	Metastatic squamous cell carcinoma	3	0.1	1	0.3
1521	Pleomorphic rhabdomyosarcoma	10	0.2	8	2.0

Diagnosis					
(5954) Intraductal papilloma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5953	Encapsulated papillary carcinoma	38	0.7	30	7.6
5954	Intraductal papilloma	5387	98.1	326	82.3
2211	Invasive papillary carcinoma	17	0.3	9	2.3
5955	Papillary ductal carcinoma in situ	39	0.7	25	6.3
5889	Solid papillary carcinoma	1	<0.1	2	0.5
5956	Tall cell carcinoma with reversed polarity	1	<0.1	4	1.0

Diagnosis					
(2527) Crohn disease					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5957	<i>Clostridioides difficile</i> colitis	13	0.2	9	2.3
2527	Crohn disease	5398	98.6	323	81.4
5958	Drug-induced colitis	7	0.1	4	1.0
2769	Ischemic colitis	6	0.1	5	1.3
2230	Ulcerative colitis	55	1.0	56	14.1

Diagnosis					
(5959) Ameloblastoma, intraluminal unicystic					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1287	Ameloblastic fibroma	75	1.4	35	8.9
5959	Ameloblastoma, intraluminal unicystic	5352	97.6	316	80.0
5960	Dentigerous cyst	34	0.6	25	6.3
1894	Odontogenic keratocyst	16	0.3	9	2.3
5961	Squamous odontogenic tumor	8	0.1	10	2.5

NOTES

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This concludes the report.



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