

# CPET-former Multi-Center Performance Tables

November 27, 2025

## 1 Experiment 1: Training on Shanxi + Rizhao, Testing on Zhongshan

### 1.1 Online Prediction Metrics

Table 1: Online indicators for Experiment 1.

Scenario	Mean Delay (s)	Early Rate	Detect Rate	AUPRC <sub>g</sub>	AUROC <sub>g</sub>	AUPRC <sub>w</sub>	AUROC <sub>w</sub>
Internal	32.96	0.0355	1.0000	0.9971	0.9971	0.9029	0.8651
External (zero-shot)	-7.89	0.4680	1.0000	0.9825	0.9810	0.6699	0.6447
External (few-shot)	<b>55.44</b>	<b>0.0896</b>	<b>1.0000</b>	<b>0.9953</b>	<b>0.9930</b>	<b>0.7374</b>	<b>0.7117</b>

### 1.2 Offline Analysis Metrics

Table 2: Offline accuracy for Experiment 1.

Scenario	MAE (s)	Bias (s)	RMSE (s)	Median AE (s)	Hit Rate	LoA Lower	LoA Upper
Internal	17.74	-0.50	26.61	12.10	0.3022	-52.67	51.67
External (zero-shot)	72.39	-57.58	100.03	55.05	0.1077	-217.96	102.80
External (few-shot)	<b>35.02</b>	<b>3.22</b>	<b>46.92</b>	<b>26.66</b>	<b>0.2834</b>	-88.55	<b>95.00</b>

## 2 Experiment 2: Training on Shanxi + Zhongshan, External Testing on Rizhao

### 2.1 Online Prediction Metrics

Table 3: Online indicators for Experiment 2.

Scenario	Mean Delay (s)	Early Rate	Detect Rate	AUPRC <sub>g</sub>	AUROC <sub>g</sub>	AUPRC <sub>w</sub>	AUROC <sub>w</sub>
Internal	28.94	0.0357	1.0000	0.9965	0.9969	0.9177	0.8821
External (zero-shot)	73.03	0.0255	0.9978	0.9968	0.9951	0.7816	0.7378
External (few-shot)	<b>50.84</b>	<b>0.0723</b>	<b>0.9983</b>	<b>0.9964</b>	<b>0.9946</b>	<b>0.7669</b>	<b>0.7297</b>

Table 4: Offline accuracy for Experiment 2.

Scenario	MAE (s)	Bias (s)	RMSE (s)	Median AE (s)	Hit Rate	LoA Lower	LoA Upper
Internal	16.58	-1.87	25.14	11.06	0.2732	-51.03	47.30
External (zero-shot)	37.35	24.58	49.73	28.79	0.3209	-60.16	109.31
External (few-shot)	<b>33.81</b>	-2.45	<b>47.10</b>	<b>25.83</b>	<b>0.2590</b>	-94.65	<b>89.76</b>

## 2.2 Offline Analysis Metrics

# 3 Experiment 3: Training on Zhongshan + Rizhao, External Testing on Shanxi

## 3.1 Online Prediction Metrics

Table 5: Online indicators for Experiment 3.

Scenario	Mean Delay (s)	Early Rate	Detect Rate	AUPRC <sub>g</sub>	AUROC <sub>g</sub>	AUPRC <sub>w</sub>	AUROC <sub>w</sub>
Internal	41.33	0.0424	1.0000	0.9982	0.9971	0.8405	0.8192
External (zero-shot)	-44.71	0.8377	1.0000	0.9736	0.9860	0.7683	0.7355
External (few-shot)	<b>53.31</b>	<b>0.0634</b>	<b>0.9282</b>	<b>0.9749</b>	<b>0.9822</b>	<b>0.7662</b>	<b>0.7265</b>

## 3.2 Offline Analysis Metrics

Table 6: Offline accuracy for Experiment 3.

Scenario	MAE (s)	Bias (s)	RMSE (s)	Median AE (s)	Hit Rate	LoA Lower	LoA Upper
Internal	21.26	0.95	31.01	15.23	0.4027	-59.85	61.76
External (zero-shot)	86.89	-86.17	96.35	83.53	0.0127	-170.66	-1.67
External (few-shot)	<b>37.49</b>	<b>14.39</b>	<b>54.07</b>	<b>25.13</b>	<b>0.3073</b>	-87.77	<b>116.54</b>