

## Per-Type Performance: FP (Local)

Risk Types	Performance Metrics Across Five Groups															Count
	Group A			Group B			Group C			Group D			Group E			
①	0.0 ±0.0	24.3 ±7.6	14.0 ±5.7	0.7 ±0.9	32.7 ±17.9	6.7 ±4.0	4.3 ±2.1	37.0 ±7.9	21.0 ±2.2	0.0 ±0.0	39.7 ±8.7	13.0 ±8.2	26.7 ±13.1	8.0 ±5.7		
②	13.7 ±0.9	25.7 ±4.5	27.7 ±13.7	9.0 ±2.2	29.7 ±18.8	4.3 ±2.6	11.3 ±2.1	10.3 ±4.1	14.7 ±7.4	0.0 ±0.0	17.7 ±4.1	20.3 ±3.8	17.0 ±9.6	5.0 ±0.8	40	
③	0.0 ±0.0	47.3 ±13.2	26.7 ±17.9	0.7 ±0.5	44.0 ±20.8	9.0 ±2.2	0.3 ±0.5	43.7 ±22.2	30.3 ±14.7	0.0 ±0.0	32.7 ±10.7	24.0 ±9.9	32.3 ±20.9	14.3 ±10.3		
④	0.3 ±0.5	14.0 ±6.5	8.7 ±6.6	3.3 ±0.5	10.7 ±5.8	3.7 ±5.2	7.0 ±0.8	14.0 ±5.1	7.0 ±1.6	0.0 ±0.0	7.7 ±4.2	7.3 ±2.1	19.7 ±6.2	2.7 ±1.2	30	
⑤	0.0 ±0.0	27.0 ±7.1	22.7 ±8.7	2.7 ±0.9	10.0 ±6.4	1.7 ±0.5	1.0 ±0.8	17.3 ±7.4	8.7 ±3.1	0.0 ±0.0	13.3 ±4.6	8.3 ±4.1	12.0 ±8.5	6.7 ±6.2		
⑥	2.0 ±0.0	21.3 ±4.2	32.7 ±11.1	2.0 ±0.8	6.0 ±4.3	6.7 ±3.8	14.3 ±3.3	20.7 ±4.1	11.0 ±1.4	3.0 ±2.2	15.7 ±4.2	21.7 ±13.7	29.3 ±33.2	8.7 ±7.8	20	
⑦	0.0 ±0.0	12.7 ±4.5	13.0 ±9.3	6.3 ±2.1	13.7 ±10.3	7.3 ±4.5	3.0 ±0.8	16.3 ±6.9	19.3 ±4.6	0.3 ±0.5	14.0 ±7.9	10.7 ±5.8	31.7 ±38.4	11.3 ±13.9	10	
⑧	0.0 ±0.0	16.0 ±7.1	14.7 ±1.2	10.3 ±2.9	12.0 ±7.0	5.0 ±3.7	9.3 ±2.5	6.7 ±3.3	8.0 ±3.3	0.0 ±0.0	14.0 ±2.2	14.0 ±1.6	16.7 ±8.0	4.3 ±6.1		
⑨	4.3 ±0.5	27.3 ±9.9	31.3 ±12.7	17.3 ±2.1	18.3 ±11.8	16.0 ±15.9	18.3 ±4.5	19.3 ±11.8	17.0 ±6.7	0.7 ±0.9	43.7 ±18.2	26.7 ±16.2	12.7 ±9.1	14.3 ±0.5		
	VANILLA	SFT	GRPO	VANILLA	SFT	GRPO	VANILLA	SFT	GRPO	VANILLA	SFT	GRPO	SFT	GRPO		
	Group A			Group B			Group C			Group D			Group E			