

Prevalence and Test-Retest Reliability of Errors on Freestyle Swimming Technique Assessment

Technique parameter	Side	Error prevalence	Test-retest reliability: Cohen's κ or κ_w (95% confidence interval) (n = 30)
Arm recovery	Right	63%	$\kappa = 0.84$ (0.63, 1.05)
	Left	75%	$\kappa = 0.46$ (0.10, 0.81)
Shoulder roll	Right	26%	$\kappa_w = 0.55$ (0.19, 0.90)
	Left	39%	$\kappa_w = 0.54$ (0.28, 0.80)
Hand position	Right	38%	$\kappa = 0.65$ (0.38, 0.91)
	Left	37%	$\kappa = 0.71$ (0.46, 0.97)
Hand orientation	Right	36%	$\kappa = 0.57$ (0.27, 0.87)
	Left	24%	$\kappa = 0.56$ (0.21, 0.90)
Elbow position	Right	0%	N/A
	Left	0%	N/A
Hand path	Right	11%	$\kappa = 0.71$ (0.35, 1.08)
	Left	17%	$\kappa = 0.90$ (0.71, 1.09)
Head orientation	—	5%	$\kappa_w = 0.67$ (0.07, 1.26)

Abbreviations: κ (Cohen's kappa coefficient), κ_w (Cohen's weighted kappa coefficient)