



World Trade Center Operational Statistics Victims: 2,753 Remains Recovered: 21,905 Victims Identified: 1,644 Remains Identified: 14,750 Victims Not Identified: 1,106 Remains Not Identified: 7,155

Challenges

Degradation and size Comingling of remains Software and databanking Ante mortem collection Limited in-house capacity No system to track samples No DNA Disaster Plan



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38%	Phase I DNA profiles were generated with enough alleles to reach statistical threshold			
45%	Phase II change in the STR kit, more robust grinding process			
54%	Phase III mini-STRs, new bone optimization protocol on previously negative samples			
59%	<u>Phase IV</u> new grinding protocol, demineralization, and amplification technique			
	Phase V Next Generation Sequencing			

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