Assessment/ Research of Concern	Enhance the harmful consequences	Enhance the virulence of a pathogen/agent	Increase transmissibility of a pathogen/agent	Enhance the infectivity	Alter the host range of a pathogen	Render a nonpathogen virulent	Insertion of virulence factors	Demonstrate how to render a vaccine ineffective	Confer resistance to therapeutically useful antibiotics or antiviral agents	Enable the evasion of diagnostic/detection modalities	Enhance resistance to host immunological defence	Enhance the susceptibility of a host population	Creation of "stealth viruses"	Insertion of host genes	Synthetic creation of pathogens (i.e.De novo)	Generate a novel pathogen (i.e.chimeric virus)	Enable the weaponization of a biological agent or toxin	Enhance dissemination (Powder or aerosol production or dispersal technologies)	Facilitating the dissemination of a biological agent by contamination of food or water sources	Increase environmental stability	Computer models for investigating the spread of diseases	Microencapsulation	Targeting materials to specific locations in the body	Sporulation	Facilitate the production of toxins that were previously difficult to produce on a large scale	Biopharming	DNA Shuffling	High throughput screening methods, microarrays, rapid processing devices	Identifying potential toxic proteins, new drugs and vaccines (bioprospecting)	Rational Drug Design	Genetic engineering (of viruses)	Genome transfer or replacement technologies	Synthetic biology	DNA Synthesis	Genomic medicine, Gene therapy	Genetic manipulation of cell wall properties	Gene vector techniques via viruses or immunotoxins (creation of "stealth viruses")	Bioinformatics (databases etc.)	Nanotechnology	Microfluidics and Microfabrication	Cellular reconstitution	RNAi	Combinatorial chemistry	Modulators of Homeostatic Systems	Complementary and synergy of technologies	Knowledge about receptors, ligands and bioregulators	Knowledge in neurobiology, manipulating the nervous system	Knowledge about creation and dissemination	Biosecurity (storage, theft)	Open publication	Accessibility of technology (like synthesis equipment)	Work with exempt avirulent, attenuated or vaccine strains of listed agents	Reconstitution and Work with eradicated or extinctted agents	Assessment is using a List of agents
Molas-Gallart *et al.* 1997																																																						
Fraser et al. 2001																					X											X						X				X				X							
Zilinskas *et al* . 2002		X		X		X	X		X	X	X				X	X	X	X	X	X		X		X							X				X																X
Royal Society 2004																																																X					
National Research Council, National Academies of Science 2004		X	X		X	X		X	X	X							X																																				X
McLeish *et al* . 2005								X	X																																												
WHO 2005		X			X	X		X	X	X			X		X			X		X	X	X			X	X		X	X									X	X							X	X						
Joint BBSRC, MRC and Wellcome Trust policy statement 2005																																																					
Roffey 2005																																																X					X
Maurer *et al* .2006		X	X		X			X	X	X							X																																				X
National Science Advisory Board For Biosecurity 2006 Draft Guidance Doc.		X	X		X			X	X	X		X				X		X		X																																X	
Campbell 2006				X					X	X	X				X			X	X	X																													X				X
WHO 2006																																																X			X	X
National Science Advisory Board For Biosecurity 2006															X	X															X		X					X												X		X
Atlas *et al* .2006																																																					
Institute of Medicine & National Research Council 2006																		X				X	X			X	X	X	X	X	X		X	X	X			X	X	X		X	X	X	X	X							
Miller *et al. 2006*		X	X		X	X		X	X	X					X		X																															X					X
Steinbruner *et al* . 2007 [1]		X	X		X	X		X	X					X	X			X		X												X									X										X	X	X
Makosky *et al* .2007 *		X	X		X	X		X	X	X		X		X	X	X	X	X		X											X	X	X								X							X				X	X	X
National Science Advisory Board For Biosecurity 2007	X		X		X			X	X	X	X	X				X		X		X																																	X	
Israel Academy of Science and Humanities and the Israel National Security Council 2007		X	X		X			X	X	X							X																																				X
Kuhlau 2007																																																					
Garfinkel *et al.* 2007		X	X		X	X		X	X	X			X		X		X										X						X	X			X															X
Commission of the European Communities 2007																																																					X
OECD 2007																																																X					X
Atlas *et al.* 2008																																	X															X					X
Rappert 2008																																																					
Sum	1	10	9	2	10	7	1	11	13	11	3	3	2	2	8	5	7	8	2	7	2	3	1	1	1	2	2	2	2	1	4	3	5	2	1	1	2	4	1	1	2	2	1	1	1	3	1	3	4	1	1	2	6	13

1 =Assessment is making the distinction between AEC= Activities of extreme concern which refers mostly to work with eradicated and BL-4/ABL-4 agents, AMC= Activities of moderate concern refering to listed and related agents and APC= Activities of potential concern refering to agents that are not listed and not covered by AEC/AMC. This destinction is not considert in this table.

* Assessment is quoting other assessments