Laboratory Acquired Infections (LAIs)





Online survey about 'Laboratory Acquired Infections' (LAIs) for the attention of the personnel

Dear Madam, Sir

On request of the Flemish authorities , the SBB (the Biosafety and Biotechnology Unit of the Scientific Institute of Public Health) has developed a survey in the interest of mapping and evaluating the risk for "laboratory-acquired infections" (LAIs) related to bio-incidents with pathogenic organisms .

Bio-incidents are defined as all irregularities that occur while handling these organisms, caused by technical failure or human errors or simply by accident.

The term laboratory-acquired infections" (LAIs) refers to all direct or indirect human infections with or without the onset of symptoms following exposure to pathogenic organisms (genetically modified or not) in the laboratory.

There are many scientific publications on bio-incidents and LAIs. However, very few data are available regarding the incidence in Belgium & Flanders. Our aim is to obtain more information about this issue and the possible underlying causes .

Completing this survey happens anonymously and will only take about 15 minutes.

Thank you very much for your participation

A report of this survey will be sent to you

More information on biosafety and LAIs can be found on our website (http://www.biosafety.be).

Dienst Bioveiligheid en Biotechnologie | Service Biosécurité et Biotechnologie

Operationele Directie Expertise, Dienstverlening en Klantenrelaties | Direction Opérationnelle Expertise, Prestations de service et relations clients

Rue Juliette Wytsmanstraat 14 | 1050 Brussels T 02 642 52 93 | F 02 642 52 92 contained.use@wiv-isp.be

Wetenschappelijk Instituut Volksgezondheid - Institut Scientifique de Santé Publique

www.wiv-isp.be

There are 43 questions in this survey

Laboratory Acquired Infections (LAIs)

1 [1]1. In which type of organization are you employed? *
Please choose only one of the following:
Public institution or university Private company

2 [2]2. How would you classify the sector/branch of industry that you work in? (Multiple answers possible) *
Please choose all that apply:
 □ R&D □ Diagnostics (medical – veterinary) □ Quality Control (environmental samples, food samples, pharmaceuticals) □ Production □ Education
3 [3]3. The focus of your work is mainly on: *
Please choose only one of the following:
(Bio)medical (Human)
O Veterinary (Animals)
Agricultural, ornamental plant cultivation, agrobiotechnology (Plants)
4 [4]4. You are employed as:
(Multiple answers possible)
*
Please choose all that apply:
Lab technician
Researcher Chart term statistic as student (. 4 month)
Animal caretaker
☐ Andere:
5 [5new]5. In which type of laboratory do you work? (Multiple answers possible) *
Please choose all that apply:
L1, lab of containment level 1
L2, lab of containment level 2
L3, lab of containment level 3
A1, animal facility of containment level 1
A2, animal facility of containment level 2
A3, animal facility of containment level 3
☐ G1, greenhouse of containment level 1☐ G2, greenhouse of containment level 2☐ ☐ G2 are thouse of containment level 2☐ ☐ G2 are thouse of containment level 2☐ ☐ G3 are thouse of containment level 2☐ ☐ G3 are thouse of containment level 3☐ ☐ G3
G3, greenhouse of containment level 2
☐ I don't know
☐ Other:
6 [6]6. Which type of activities are you mainly doing? (Multiple answers possible) *
Please choose all that apply:
☐ Cell culture
☐ Animal care
☐ In vivo research(small and large animals)
☐ Microbiology
☐ Microscopy

TSE (research)
☐ Maintenance, management of collection ☐ Cloning
7 [7 new]Which manipulation/activity that you perform yourself do you consider the most risky for your health? Please also indicate which (micro-)organism is involved in this manipulation/activity. (eg injection of mice with lentiviral vectors, or culturing Mycobacterium tuberculosis, etc) * Please write your answer here:
8 [8 new]9. Are you aware of any LAI's (laboratory acquired infections , resulting from a contamination of 1 or more employees (including yourself) in your organization over the last 5 years?
Please choose only one of the following:
O Yes
O No
9 [8.1]How many LAI's are you aware of? *
Only answer this question if the following conditions are met:
° ((8 new.NAOK == "Y"))
Please write your answer here:
10 [8.2 LAI1 NEW]Which organisms or biologic agents were involved in the LAI(s)?(bv. Trypanosoma brucei gambiense) *
Only answer this question if the following conditions are met: ° ((8.1.NAOK == "1"))
Please write your answer(s) here:
LAI1
11 [8.2 LAI2 NEW]Which organisms were involved in the LAI(s)? (eg. Trypanosoma brucei gambiense, eg. influenza virus,) *
Only answer this question if the following conditions are met: ° ((8.1.NAOK == "2"))
Please write your answer(s) here:
LAI 1
LAI 2
12 [8.2 LAI3 NEW]Which organisms were involved in the LAI(s)? (eg. Trypanosoma brucei gambiense, eg. influenza virus,) *
Only answer this question if the following conditions are met: ° ((8.1.NAOK == "3"))

Laboratory technician Rese LAI	ew]Which type f the following condition e response for each item: Wie werd er besmet? // Stagiair / student for short period (<1 earcher month)	es of bio ns are met: : : : : : : : : : : : : : : : : : :	aminated? Animal care taker				Waar ge L2, laboratory of containment level 2	beurde de besme L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anir facility containn level :
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((8.1.NAOK == '1')) Please choose the appropriate V Laboratory technician Rese LAI	ew]Which type f the following condition e response for each item: Wie werd er besmet? // Stagiair / student for short period (<1 month)	es of bio ns are met: : : : : : : : : : : : : : : : : : :	aminated? Animal care taker	gents	were i	L1, laboratory of containment level 1	Waar ge L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anir facility containn level
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((8.1.NAOK == "1")) Please choose the appropriate V Laboratory technician Rese LAI	ew]Which type f the following condition e response for each item: Wie werd er besmet? // Stagiair / student for short period (<1 month)	es of bio ns are met: : : : : : : : : : : : : : : : : : :	aminated? Animal care taker	gents	were i	L1, laboratory of containment level 1	Waar ge L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anir facility containn level
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((8.1.NAOK == "1")) Please choose the appropriate V Laboratory technician Rese LAI 1	ew]Which type f the following condition e response for each item: Wie werd er besmet? // Stagiair / student for short period (<1 earcher month)	es of bio ns are met: : : : : : : : : : : : : : : : : : :	aminated? Animal care taker	gents	were i	L1, laboratory of containment level 1	Waar ge L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anir facility containn level
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((8.1.NAOK == *1*)) Please choose the appropriate V Laboratory technician Rese	ew]Which type f the following condition e response for each item: Nie werd er besmet? // Stagiair / Student for short period (<1 month)	es of bio ns are met: : : : : : : : : : : : : : : : : : :	aminated? Animal care taker	gents	were i	L1, laboratory of containment level 1	Waar ge L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anir facility containn level
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((6.1.NAOK == "1")) Please choose the appropriate V Laboratory technician Reserved.	ew]Which type f the following condition e response for each item: Nie werd er besmet? // Stagiair / Student for short period (<1 month)	es of bio ns are met: : : : : : : : : : : : : : : : : : :	aminated? Animal care taker	gents	were i	L1, laboratory of containment level 1	Waar ge L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anir facility containn level
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if "((8.1.NAOK == *1")) Please choose the appropriate	ew]Which type f the following condition e response for each item: Nie werd er besmet? // Stagiair / student for short period	es of bio ns are met: : : : : : : : : : : : : : : : : : :	logic agaminated?	gents		L1, laboratory of	Waar ge L2, laboratory of	L3, laboratory of	A1, animal facility of	A2, anir facility
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((6.1.NAOK == "1"))	ew]Which type f the following condition e response for each item: Nie werd er besmet? // Stagiair / student	es of bio ns are met: : : : : : : : : : : : : : : : : : :	logic a			nvolved?	Waar ge L2,	L3,	-	
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((6.1.NAOK == "1"))	ew]Which type f the following condition e response for each item: Nie werd er besmet? //	es of bio ns are met: : : : : : : : : : : : : : : : : : :	logic a					beurde de besme	tting? // Where d	id the conta
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((6.1.NAOK == "1"))	ew]Which type f the following condition e response for each item:	es of bio	logic a					beurde de besme	tting? // Where d	lid the conta
LAI 4 LAI 5 If you have knowledge of more 15 [8.3 LAI 1 ne Only answer this question if ((8.1.NAOK == *1*))	ew]Which type	es of bio					*			
LAI 4 LAI 5 If you have knowledge of more	w]Which typ	es of bio					*			
LAI 4 LAI 5 f you have knowledge of more							*			
LAI 4	e than 5 LAI(s) , please in	ndicate the 5 mo	st recent one	s (over the	last 5 years).				
LAI 4 LAI 5	a than 5 Al/s) Inleges in	udicate the 5 mo	st recent once	is (over the	last 5 veem					
LAI 4										
LAI 4										
			<u> </u>							
LAI 3										
			_							
LAI 2										
_AI 1			\neg							
Please write your answer(s) he	iere:									
Only answer this question if ((8.1.NAOK >= "5"))	f the following condition	ns are met:								
jambiense, eg.						, , <u>, , , , , , , , , , , , , , , , , </u>	- 5.			
4 [8.2 LAI5 NE	EW]Which ord	janisms '	were ir	ıvolve	d in th	e LAI(s)?	(eg. Trypa	nosoma b	rucei	
LAI 4										
LAI 3			\neg							
1.41.2										
LAI 2			_							
LAI 1										
Please write your answer(s) he	ere:									
Only answer this question if ((8.1.NAOK == "4"))	tne following condition	is are met:								
_										
13 [8.2 LAI4 NE gambiense, eg.			were ir	ıvolve	d in th	e LAI (s)?	(eg. Tryp	anosoma k	orucei	
LAI 3			\neg							
			_							
LAI 2										
Al 2										
LAI 1										

	Laboratory technician	Researcher	period (<1 month)	period (>1 month)	Animal care taker	l don't know	Other	of containment level 1	of containment level 2	of containment level 3	facility of containment level 1	facility containm level 2
Al	0	0	0	0	0	0	0	0	0	0	0	0
Al	0	0	0	0	0	0	0	0	0	0	0	0
7	[8.3 LAI	3 new] *										
nly		estion if the follo	wing condition	s are met:								
		propriate response	e for each item:									
		Wie werd	er besmet? //	Stagiair /	taminated?				Waar ge	beurde de besme	tting? // Where d	id the conta
	Laboratory technician	Researcher	Stagiair / student for short period (<1 month)	student for longer period (>1 month)	Animal care taker	l don't know	Other	L1, laboratory of containment level 1	L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anii facility containn level
ΑI	0	0	0	0	0	0	0	0	0	0	0	0
.AI	0	0	0	0	0	0	0	0	0	0	0	0
.AI	0	0	0	0	0	0	0	0	0	0	0	0
	_	4 new] *	wing condition	s are met:								
((8.1	I.NAOK == "4"))		_									
		Wie werd	er besmet? // '	Who was con Stagiair /	taminated?				Waar ge	beurde de besme	tting? // Where d	id the cont
	Laboratory technician	Researcher	Stagiair / student for short period (<1 month)	student for longer period (>1 month)	Animal care taker	l don't know	Other	L1, laboratory of containment level 1	L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, anii facility containn level
.AI	0	0	0	0	0	0	0	0	0	0	0	0
AI	0	0	0	0	0	0	0	0	0	0	0	0
AI	0	0	0	0	0	0	0	0	0	0	0	0
ΑI	0	0	0	0	0	0	0	0	0	0	0	0
nly ((8.1	answer this que	propriate response	e for each item: er besmet? // '		taminated?				Waar ge	beurde de besme	tting? // Where d	id the conta
	Laboratory technician	Researcher	Stagiair / student for short period (<1 month)	for longer period (>1 month)	Animal care taker	l don't know	Other	L1, laboratory of containment level 1	L2, laboratory of containment level 2	L3, laboratory of containment level 3	A1, animal facility of containment level 1	A2, ani facility containr level
Al	0	0	0	0	0	0	0	0	0	0	0	0
Al	0	0	0	0	0	0	0	0	0	0	0	0
AI	0	0	0	0	0	0	0	0	0	0	0	0
ΑI	0	0	0	0	0	0	0	0	0	0	0	0
Al	0	0	0	0	0	0	0	0	0	0	0	0
20	answer this que	estion if the follow	wing condition a1")) or ((8.3 LA	is are met: Al2 new_SQ00 003_0.NAOK	1_0.NAOK == == "a1")) or ((i	= "a1")) or (8.3 LAI4 ne	(8.3 LAI2 ne	nvolved in ew_SQ002_0.NAOP D.NAOK == "a1")) o	C == "a1")) or ((8.3 r ((8.3 LAI4 new_S	LAI3 new_SQ001_ 5Q002_0.NAOK ==	0.NAOK == "a1"))	5

21	[8.3.2	'ander	e plaats	s]Of which	other loc	ation , als	so involve	d in the LA	AI, are yo	ou aware o	f? *	
° ((8.3 new_ new_ new_	S LAI1 new_ SQ002_1.N SQ003_1.N SQ003_1.N	SQ001_1.NA AOK == "a2" AOK == "a2"	AOK == "a2") ()) or ((8.3 LAI3 ()) or ((8.3 LAI4 ()) or ((8.3 LAI5	3 new_SQ003_1.NA	SQ001_1.NAOK = NOK == "a2")) or (NOK == "a2")) or (8.3 LAI4 new_S0 8.3 LAI5 new_S0	0001_1.NAOK == 0001_1.NAOK ==	1.NAOK == "a2")) or "a2")) or ((8.3 LAI4 "a2")) or ((8.3 LAI5 "a2"))	new_SQ002_1.I	NAOK == "a2")) or ((8.3 LAI4	3.3 LAI3
22	[8.4 L	AI1]W	hich typ	es of biolo	gic agent	s were in	volved? *					
	answer this .NAOK ==		the following	conditions are me	et:							
Pleas	e choose th	e appropriate	e response for e		In welke context	gebeurde de be	esmetting? // In w	hich context did th	ne contaminatio	n happen?		
					III WEIKE COINEX	gebeurde de be	smeung: // iii w	mich context did ti	ie comaminatio	п парреп:		
			In vivo research (small and large									
	Cell culture	Animal care	test animals)	Microbiology	Microscopy	Education (practicum)	Serology or hematology	TSE (diagnostics)	TSE (research)	Maintenance of collection	Cloning	Transpor
LAI 1	0	0	0	0	0	0	0	0	0	0	0	0
Only ° ((8.1	answer this	"2"))	_	conditions are me	et:							
						neheurde de he	esmetting? // In w	hich context did th	ne contaminatio	n happen?		
					In welke context	gebeurde de be	-		ie contaminatio			
	Cell culture	Animal care	In vivo research (small and large test animals)	Microbiology	In welke context	Education (practicum)	Serology or hematology	TSE (diagnostics)	TSE (research)	Maintenance of collection	Cloning	Transpor
LAI 1	Cell		research (small and large test			Education		TSE (diagnostics)	TSE		Cloning	Transpor
	Cell	care	research (small and large test animals)	Microbiology	Microscopy	Education (practicum)	hematology	(diagnostics)	TSE (research)	of collection	•	_
1 LAI 2	Cell culture	care	research (small and large test animals)	Microbiology	Microscopy	Education (practicum)	hematology	(diagnostics)	TSE (research)	of collection	0	0
1 LAI 2 24 Only	Cell culture	care O O Al3 ne	research (small and large test animals)	Microbiology	Microscopy biologic a	Education (practicum)	hematology	(diagnostics)	TSE (research)	of collection	0	0
1 LAI 2 24 Only ° ((8.1	Cell culture	Al3 ne	research (small and large test animals)	Microbiology O h types of conditions are me	Microscopy O biologic a	Education (practicum)	hematology O re involve	(diagnostics)	TSE (research)	of collection	0	0
1 LAI 2 24 Only ° ((8.1	Cell culture	Al3 ne	research (small and large test animals)	Microbiology O h types of conditions are me	Microscopy O biologic a	Education (practicum)	hematology O re involve	(diagnostics)	TSE (research)	of collection	0	0
1 LAI 2 24 Only ° ((8.1	Cell culture	Al3 ne	research (small and large test animals) W]Whick the following response for a lin vivo research (small and	Microbiology O h types of conditions are me	Microscopy O biologic a	Education (practicum)	hematology O re involve	(diagnostics)	TSE (research)	of collection	0	0
1 LAI 2 24 Only ° ((8.1	Cell culture Calculture Calc	Al3 ne s question if "3")	research (small and large test animals) W]Which the following tesponse for or separch (small and large test	Microbiology O h types of conditions are me each item:	Microscopy o biologic a et:	Education (practicum) gents we gebeurde de be	re involve	(diagnostics) O ed? * which context did the state of t	TSE (research)	of collection	0	0 0
1 LAI 2 24 Only ° ((8.1	Cell culture	Al 3 ne s question if "3"))	research (small and large test animals) W]Which the following eresponse for a large and large	Microbiology O h types of conditions are me	Microscopy O biologic a	Education (practicum) O gents we	hematology ore involve	(diagnostics) cad? *	TSE (research)	of collection	0	0
1 LAI 2 24 Only ° ((8.4 Pleas	Cell culture Canswer this .NAOK == e choose the	Alia nee s question if "3")) Animal care	research (small and large test animals) Wlwhich the following response for or sesarch (small and large test animals)	Microbiology h types of conditions are meach item: Microbiology	Microscopy biologic a t: In welke context	Education (practicum) gents we gebeurde de be	re involve	ed? *	TSE (research)	of collection on happen? Maintenance of collection	Cloning	Transpor

° ((8.	answer this		the following	conditions are me	t:							
Pleas	e choose th	e appropriate	response for e		In welke context	gebeurde de be	esmetting? // In w	hich context did t	ne contamination	on happen?		
	Cell culture	Animal care	In vivo research (small and large test animals)	Microbiology	Microscopy	Education (practicum)	Serology or hematology	TSE (diagnostics)	TSE (research)	Maintenance of collection	Cloning	Transpor
LAI 1	0	0	0	0	0	0	0	0	0	0	0	0
LAI 2	0	0	0	0	0	0	0	0	0	0	0	0
LAI 3	0	0	0	0	0	0	0	0	0	0	0	0
LAI 4	0	0	0	0	0	0	0	0	0	0	0	0
Only ° ((8.	answer this	"5"))		conditions are me	et:							
					In welke context	gebeurde de be	esmetting? // In w	hich context did t	ne contamination	on happen?		
			In vivo research (small and large									
LAI	Cell	Animal care	test animals)	Microbiology	Microscopy	Education (practicum)	Serology or hematology	TSE (diagnostics)	TSE (research)	Maintenance of collection	Cloning	Transpor
1 LAI	0	0	0	0	0	0	0	0	0	0	0	0
2 LAI	0	0	0	0	0	0	0	0	0	0	0	0
3 LAI	0	0	0	0	0	0	0	0	0	0	0	0
4 LAI	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
Only ° ((8.4 new_ new_ new_	answer this LAI1_SQ0 SQ003_0.N SQ004_0.N SQ002_0.N	s question if 01_0.NAOK AOK == "a1' AOK == "a1'	the following == "a1")) or ((8.4 LAI4)) or ((8.4 LAI5)) or ((8.4 LAI5	conditions are me 3.4 LAI2 new SQ004 4 new SQ001_0.N/ 5 new SQ001_0.N/	et: 12_0.NAOK == "a1 NOK == "a1")) or (i NOK == "a1")) or (i	1")) or ((8.4 LAI3 r (8.4 LAI4 new_S0 (8.4 LAI5 new_S0	new_SQ001_0.NA Q002_0.NAOK == Q005_0.NAOK ==	"a1")) or ((8.4 LAI4 "a1")) or ((8.4 LAI5	new_SQ003_0.	NAOK == "a1")) or	((8.4 LAI4	AI3
Only ° ((8.4	answer this LAI1_SQ0 SQ003_1.N SQ004_1.N SQ004_1.N	s question if 01_1.NAOK AOK == "a2' AOK == "a2'	the following == "a2")) or ((8)) or ((8.4 LAI4)) or ((8.4 LAI5)) or ((8.4 LAI5	conditions are me 3.4 LAI2 new SQ00 4 new SQ001 1.NA 5 new SQ001 1.NA 5 new SQ005 1.NA	et: 02_1.NAOK == "a2 NOK == "a2")) or (NOK == "a2")) or (2")) or ((8.4 LAI3 r (8.4 LAI4 new_S0 (8.4 LAI5 new_S0	new_SQ001_1.NA Q002_1.NAOK == Q002_1.NAOK ==	OK == "a2")) or ((8 "a2")) or ((8.4 LAI4 "a2")) or ((8.4 LAI5	4 LAI3 new_SQ new_SQ003_1.	002_1.NAOK == "a NAOK == "a2")) or	((8.4 LAI4	Al3

29 [8	8.5 LAI1 ne	w]Which types	s of biologic agents we	re involved? *		
	swer this question if AOK == "1"))	the following conditions	are met:			
Please c	hoose the appropriate	e response for each item:				
			andere personen (vb familie, nitted to another person (eg family gue)?			evolg was van een besmetting op de Al resulted from a contamination at
LAI	Yes	No	I don't know	Yes	No	I don't know
1	0	0	O	0	0	0
30 [8	8.5 LAI2 ne	w] *				
	swer this question if AOK == "2"))	the following conditions	are met:			
Please o		e response for each item:				
			andere personen (vb familie, nitted to another person (eg family gue)?			evolg was van een besmetting op de Al resulted from a contamination at
LAI	Yes	No	I don't know	Yes	No	I don't know
1	0	0	O	0	0	O
LAI 2	0	0	0	0	0	0
31 [8	8.5 LAI3 ne	w] *				
	swer this question if AOK == "3"))	the following conditions	are met:			
Please o		e response for each item:				
			andere personen (vb familie, nitted to another person (eg family gue)?	Is effectief aangeto werklvoer? //Has i	ond dat de infectie het ge it been proven that the L/ work?	evolg was van een besmetting op de Al resulted from a contamination at
LAI	Yes	No	I don't know	Yes	No	I don't know
1 LAI	0	0	O	0	0	O
2	0	0	0	0	0	0
LAI 3	0	0	0	0	0	0
32 [8	8.5 LAI4 ne	w] *				
	swer this question if AOK == "4"))	the following conditions	are met:			
Please o	hoose the appropriate	e response for each item:				
			andere personen (vb familie, nitted to another person (eg family gue)?			evolg was van een besmetting op de Al resulted from a contamination at
LAI	Yes	No	I don't know	Yes	No	I don't know
1	0	0	0	0	0	0
LAI 2	0	0	0	0	0	0
LAI 3	0	0	0	0	0	0
LAI 4	0	0	0	0	0	0
33 [8	8.5 LAI5 ne	w] *				
	swer this question if	the following conditions	are met:			
		e response for each item:				
	Was er spra	ake van transmissie naar	andere personen (vb familie, nitted to another person (eg family que)?			evolg was van een besmetting op de Al resulted from a contamination at
	Yes	No	I don't know	Yes	No	I don't know
LAI 1	0	0	0	0	0	0
LAI 2	0	0	0	0	0	0
LAI 3	0	0	0	0	0	0
LAI 4	0	0	0	0	0	0
LAI	0	0	0	0	0	0
5						

34 [9 new]
9. Bio-incidents*
Not every bio-incident* leads to an actual infection, but it is interesting to know what type of bio-incidents occur frequently in Belgium. Are you aware of any bio-incidents that have ocurred in your organization within the last 5 years?
*
Please choose only one of the following:
○ Yes ○ No
(* A bio-incident is a term to indicate all kinds of irregularities that can happen while working with biologic agents: eg cut accidents and accidental injection, falling and breaking of containers, flasks, etc)
35 [9.1 new]Do you know if one of the possible bio-incidents occurred in your organization (over the last 5 years) _ Select the applicable option and on the right side you can give the number or amount of these incidents that have occurred.
Only answer this question if the following conditions are met: ° ((9 new.NAOK == "\"))
Please choose all that apply and provide a comment:
Cutting / needle stick accident
☐ Bites and scratches (animals)
Splashes
☐ Falling of recipient
Breaking of recipient
☐ Careless handling
Technical failure of equipment (eg. badly functioning of safety cabinet, centrifuge,)
□ Not wearing personal protection equipment (gloves, goggles)
Technical failure of infrastructure (eg . HVAC, air filter,)
□ Not known
_ Other
(on the right side you can give the number or amount of these incidents that have occurred)
(an and high class year star from the manner of amount of anount of the first occurred)
36 [9.2 new]Wgich other type op bio-incidents can you remember? *
Only answer this question if the following conditions are met: ° ((9.1 new_10.NAOK == "\gamma"))
Please write your answer here:

37 [10.2]Are you aware of the	ne existence d	of an internal procedure for dealing v	vith a bio-incident? *
_			
Please choose only one of the following:			
O Yes			
○ No			
38 [10 pew]10. To your opin	ion is a bio-ii	ncident spontaneously notified by the	e personnel? *
38 [10 new] 10. 10 your opin	ion, is a bio-ii	ncident spontaneously notined by the	e personner:
Please choose only one of the following:			
O Yes			
O No			
39 [10.1N]To your opinion, vanswers possible) *	vhat are the r	reasons for not reporting such an inc	ident? (Multiple
Only answer this question if the following condition ° ((10 new.NAOK == "N"))	ns are met:		
Please choose all that apply:			
The bio-incident is not serious enough to repo	oπ it		
Fear for reactions of colleagues			
Fear for reactions of superior			
Other:			
40 [10.1Y new] To whom is the incident report * Please choose all that apply: Biosafety officer/coordinator Prevention advisor Occupational health officer Lab responsible Colleague(s) Nobody Other:	orted? (Multip	ole answers possible)	
41 [11 new]Questions on sp	ill procedures	*	
TILL HEW] QUESTIONS ON SP	iii pi ocedui es	•	
Please choose the appropriate response for each item:			
Does your lab have a procedure	Yes	No	I don't know
for the cleaning of spills?	0	0	0
Are there any spill kits available?	0	0	0
Are there specific spill trainings organized?	0	0	0
	conditions as	ncident is often the result of several c s underlying causes of bio-incidents?	
Not enough experience		1 2 3 4 5 6 7 8 9 10	
Not enough training received		000000000	
Not enough follow-up		000000000	
Too much work Lack of space			
Lack of space Lack of adapted equipment, materials		000000000	
Lack of knowledge about the possible risks that c		/ity	
Lack of attention /absence of mind, being distract Not respecting certain biosafety practices	ea	0 0 0 0 0 0 0 0 0 0	

(0= low, 10= high)
43 [13]Thank you! This is the end of this survey. If you have remarks or suggestions on this survey, you are invited to write them here.
Please write your answer here:

Thank you for participating in this survey

Do not hesitate to contact us if you have any furher questions,

contained.use@wiv-isp.be



01-01-1970 – 01:00 Submit your survey. Thank you for completing this survey.

