

Chytridiomycosis risk among Central European amphibians based on surveillance data

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Supplement. Detailed data on *Batrachochytrium dendrobatidis* (*Bd*) presence within all studied localities in Czech Republic to date and data on infection intensities among selected taxa. These data were used for analyses mentioned in the article. Part of this data was previously published; references are provided

Table S1. Summary of all *Batrachochytrium dendrobatidis* (*Bd*) surveillance data from the Czech Republic, 2008–2012. *Bd*+: number of samples positive for *Bd*; NA: not applicable

Year	Locality	Latitude, longitude	Species	Life stage	Number of samples	<i>Bd</i> +	Reference if data already published
2009	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Bombina bombina</i>	Adult	1	0	Baláž et al. (2014)
2009	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Bombina bombina</i>	Subadult	15	3	Baláž et al. (2014)
2010	Karlovy Vary, Albeřice ponds	50° 9' 27" N, 13° 10' 56" E	<i>Bombina bombina</i>	Adult	30	2	Civiš et al. (2012)
2010	Moravský Písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	<i>Bombina bombina</i>	Adult	38	9	Civiš et al. (2012)
2010	Hrutov	49° 15' 10" N, 15° 41' 35" E	<i>Bombina bombina</i>	Adult	1	0	Civiš et al. (2012)
2010	Karlovy Vary, Teleč pond	50° 7' 18" N, 13° 3' 25" E	<i>Bombina bombina</i>	Subadult	36	1	Civiš et al. (2012)
2010	Moravský Písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	<i>Bombina bombina</i>	Subadult	19	1	Civiš et al. (2012)
2010	Hrutov	49° 15' 10" N, 15° 41' 35" E	<i>Bombina bombina</i>	Subadult	9	0	Civiš et al. (2012)
2010	Most, Kopištská spoil bank	50° 32' 20" N, 13° 35' 44" E	<i>Bombina bombina</i>	Subadult	30	3	Civiš et al. (2012)
2010	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Bombina bombina</i>	Subadult	39	3	Civiš et al. (2012)
2010	Temelín	~49°10' 49" N, 14° 22' 33" E	<i>Bombina bombina</i>	Subadult	30	9	Civiš et al. (2012)
2010	Moravský Písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	<i>Bombina bombina</i>	Subadult	4	2	Civiš et al. (2012)

2011	Moravský Písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	<i>Bombina bombina</i>	Adult	33	6	
2011	Most, Ružodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Bombina bombina</i>	Subadult	16	4	
2011	Moravský Písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	<i>Bombina bombina</i>	Tadpole	10	0	
2011	Božice, Znojmo	48° 50' 15" N, 16° 16' 57" E	<i>Bombina bombina</i>	Adult	20	5	
2012	Ledce, sand quarry	50° 21' 37" N, 15° 5' 18" E	<i>Bombina bombina</i>	Adult	14	0	
2012	Dobrá Voda, Hořice	50° 20' 19" N, 15° 36' 16" E	<i>Bombina bombina</i>	Adult	33	6	
2012	Temelín	~49° 10' 49" N, 14° 22' 33" E	<i>Bombina bombina</i>	Adult	23	0	
2012	Dobrá Voda, Hořice	50° 20' 19" N, 15° 36' 16" E	<i>Bombina bombina</i>	Subadult	2	2	
2012	Ledce, sand quarry	50° 21' 37" N, 15° 5' 18" E	<i>Bombina bombina</i>	Subadult	16	1	
2012	Strašídlo pond	50° 23' 41" N, 15° 27' 13" E	<i>Bombina bombina</i>	Adult	4	2	
2012	Hluboký pond	50° 23' 5" N, 15° 27' 6" E	<i>Bombina bombina</i>	Adult	17	3	
2012	Strašídlo pond	50° 23' 41" N, 15° 27' 13" E	<i>Bombina bombina</i>	Subadult	30	4	
2012	Hluboký pond	50° 23' 5" N, 15° 27' 6" E	<i>Bombina bombina</i>	Subadult	13	6	
2012	Strašídlo pond	50° 23' 41" N, 15° 27' 13" E	<i>Bombina bombina</i>	Tadpole	30	0	
2010	Chřiby, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Adult	21	6	Civiš et al. (2012)
2010	Chřiby, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Subadult	43	5	Civiš et al. (2012)
2011	Velké Karlovice	49° 23' 2" N, 18° 18' 18" E	<i>Bombina variegata</i>	Adult	18	2	
2011	Right slope above the Salaška	49° 8' 7" N, 17° 20' 28" E	<i>Bombina variegata</i>	Adult	3	0	
2011	Above Salaš	49° 8' 44" N, 17° 20' 14" E	<i>Bombina variegata</i>	Adult	2	1	
2011	Chřiby, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Adult	17	7	
2011	Above Salaš, below the monument	49° 8' 52" N, 17° 19' 57" E	<i>Bombina variegata</i>	Adult	1	0	
2011	Vlčák – Samota road	49° 9' 16" N, 17° 16' 56" E	<i>Bombina variegata</i>	Adult	1	0	
2011	Road to Střílky Castle	49° 7' 49" N, 17° 13' 41" E	<i>Bombina variegata</i>	Adult	2	0	
2011	Skelná Huť, green-marked trail to Cimburk 300 m from the bridge across the Kyjovka	49° 6' 26" N, 17° 13' 48" E	<i>Bombina variegata</i>	Adult	6	2	
2011	Skelná Huť, green-marked trail to Cimburk, NE corner of the big clearing	49° 6' 16" N, 17° 13' 47" E	<i>Bombina variegata</i>	Adult	1	0	
2011	Cimburk, castle pond	49° 5' 59" N, 17° 13' 11" E	<i>Bombina variegata</i>	Adult	7	0	
2011	Below Cimburk	49° 5' 54" N, 17° 12' 35" E	<i>Bombina variegata</i>	Adult	1	0	
2011	Chřiby, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Subadult	16	0	
2011	Chřiby, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Tadpole	9	0	
2011	Above Salaš, below the monument	49° 8' 52" N, 17° 19' 57" E	<i>Bombina variegata</i>	Tadpole	21	0	
2011	Skelná Huť, green-marked trail to Cimburk 300 m from the bridge across the Kyjovka	49° 6' 26" N, 17° 13' 48" E	<i>Bombina variegata</i>	Tadpole	2	2	
2011	Skelná Huť, green-marked trail to Cimburk, NE corner of the big clearing	49° 6' 16" N, 17° 13' 47" E	<i>Bombina variegata</i>	Tadpole	19	0	
2012	Cimburk, castle pond	49° 5' 59" N, 17° 13' 11" E	<i>Bombina variegata</i>	Adult	7	0	
2012	Cimburk, slope below the yellow-marked trail in direction of U Křížku 1	49° 5' 54" N, 17° 12' 25" E	<i>Bombina variegata</i>	Adult	8	1	
2012	Chřiby, Halenkovice Valley	49° 11' 16" N, 17° 26' 35" E	<i>Bombina variegata</i>	Adult	26	8	
2012	Chřiby, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Adult	16	3	
2012	Chřiby, Jankovice Valley	49° 10' 4" N, 17° 22' 25" E	<i>Bombina variegata</i>	Adult	6	0	
2012	Chřiby, Above Zlacká Well	49° 9' 1" N, 17° 22' 4" E	<i>Bombina variegata</i>	Adult	2	0	
2012	Chřiby several localities (Ocásek, Pila, Kudlovice, Pěkná hora, Pod Hroby, Serpentina u Krytin, Stříbrník)		<i>Bombina variegata</i>	Adult	18	0	
2012	Pod Kazatelnou	49° 6' 5" N, 17° 13' 52" E	<i>Bombina variegata</i>	Adult	8	2	
2012	Skelná Huť, green-marked trail to Cimburk	49° 6' 26" N, 17° 13' 48" E	<i>Bombina variegata</i>	Adult	11	3	

2012	300 m from the bridge across the Kyjovka	49° 6' 16" N, 17° 13' 47" E	<i>Bombina variegata</i>	Adult	4	1	
2012	Skelná Huť, green-marked trail to Čimburk	49° 7' 18" N, 17° 18' 34" E	<i>Bombina variegata</i>	Adult	4	2	
2012	Zlechovský stream below Kozínec	49° 38' 51" N, 13° 17' 18" E	<i>Bombina variegata</i>	Adult	33	2	
2012	Dobřany u Plzně	49° 11' 16" N, 17° 26' 35" E	<i>Bombina variegata</i>	Subadult	30	26	
2012	Chřibý, Halenkovice Valley	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Subadult	23	0	
2012	Chřibý, Salaš fire-safety reservoir	49° 7' 19" N, 17° 21' 46" E	<i>Bombina variegata</i>	Subadult	2	2	
2012	Chřibý, Hoděčlína, retention reservoir	49° 10' 4" N, 17° 22' 25" E	<i>Bombina variegata</i>	Subadult	2	1	
2012	Chřibý, Jankovice Valley	49° 5' 54" N, 17° 12' 25" E	<i>Bombina variegata</i>	Subadult	7	5	
2012	Chřibý, near Čimburk castle	49° 8' 28" N, 17° 21' 55" E	<i>Bombina variegata</i>	Subadult	2	0	
2012	Chřibý, Salaš fire-safety reservoir	Nonspecified locality					
2012	Chřibý						
2012	Skelná Huť, green-marked trail to Čimburk,	49° 6' 16" N, 17° 13' 47" E	<i>Bombina variegata</i>	Subadult	9	4	
2012	NE corner of the big clearing	49° 7' 18" N, 17° 18' 34" E	<i>Bombina variegata</i>	Subadult	7	0	
2012	Zlechovský stream below Kozínec	49° 6' 26" N, 17° 13' 48" E	<i>Bombina variegata</i>	Tadpole	8	0	
2012	Skelná Huť, green-marked trail to Čimburk						
2012	300 m from the bridge across the Kyjovka						
2008	Prague, Albertov	50° 4' 7" N, 14° 25' 31" E	<i>Bufo bufo</i>	Adult	20	0	Baláž et al. (2014)
2008	Prague, Albertov	50° 4' 7" N, 14° 25' 31" E	<i>Bufo bufo</i>	Subadult	45	1	Baláž et al. (2014)
2008	Prague, Prokopské Valley	50° 2' 38" N, 14° 20' 59" E	<i>Bufo bufo</i>	Adult	2	0	Baláž et al. (2014)
2008	Prague, Petřín	50° 4' 45" N, 14° 23' 54" E	<i>Bufo bufo</i>	Adult	2	0	Baláž et al. (2014)
2008	Prague, Petřín	50° 4' 45" N, 14° 23' 54" E	<i>Bufo bufo</i>	Subadult	5	0	Baláž et al. (2014)
2009	Most	50° 33' 46" N, 13° 34' 53" E	<i>Bufo bufo</i>	Adult	31	0	Baláž et al. (2014)
2009	Tuchoraz	50° 2' 60" N, 14° 50' 24" E	<i>Bufo bufo</i>	Adult	32	0	Baláž et al. (2014)
2010	Most, Homojřetínská spoil bank	50° 33' 7" N, 13° 32' 45" E	<i>Bufo bufo</i>	Subadult	40	0	Baláž et al. (2014)
2011	Chřibý, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bufo bufo</i>	Adult	1	0	Civiš et al. (2012)
2012	Temelín	~49° 10' 49" N, 14° 22' 33" E	<i>Bufo bufo</i>	Adult	1	0	
2011	Vřesová + Erika, Z Čechy	50° 14' 42" N, 12° 40' 17" E	<i>Bufo calamita</i>	Adult	27	4	Baláž et al. (2013)
2008	Prague, Říčanka Stream	50° 3' 7" N, 14° 35' 27" E	<i>Bufo viridis</i>	Adult	1	0	Baláž et al. (2014)
2010	Staré Město (at the cemetery)	49° 4' 26" N, 17° 27' 5" E	<i>Bufo viridis</i>	Adult	43	0	Civiš et al. (2012)
2011	Chřibý, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	<i>Bufo viridis</i>	Adult	1	0	
2011	Vřesová + Erika, Z Čechy	50° 12' 45" N, 12° 36' 20" E	<i>Bufo viridis</i>	Adult	9	7	Baláž et al. (2013)
2010	Chřibý, valley of Bunčovský Stream	49° 9' 19" N, 17° 21' 20" E	<i>Ichthyosaura alpestris</i>	Adult	25	1	Civiš et al. (2012)
2012	Temelín	~49° 10' 49" N, 14° 22' 33" E	<i>Ichthyosaura alpestris</i>	Adult	7	0	
2008	Prague, Albertov	50° 4' 7" N, 14° 25' 31" E	<i>Lissotriton vulgaris</i>	Adult	2	0	Baláž et al. (2014)
2008	Prague, Albertov	50° 4' 7" N, 14° 25' 31" E	<i>Lissotriton vulgaris</i>	Subadult	3	0	Baláž et al. (2014)
2009	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Lissotriton vulgaris</i>	Subadult	24	0	Baláž et al. (2014)
2009	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Lissotriton vulgaris</i>	Adult	7	0	Baláž et al. (2014)
2012	Temelín	~49° 10' 49" N, 14° 22' 33" E	<i>Lissotriton vulgaris</i>	Adult	7	0	
2010	Moravský Písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	<i>Pelobates fuscus</i>	Tadpole	31	0	Civiš et al. (2012)
2008	Prague, Prokopské Valley	50° 2' 38" N, 14° 20' 59" E	<i>Pelophylax</i> sp.	Adult	35	0	Baláž et al. (2014)
2008	Prague, Říčanka Stream	50° 3' 7" N, 14° 35' 27" E	<i>Pelophylax</i> sp.	Adult	26	2	Baláž et al. (2014)
2010	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Pelophylax ridibundus</i>	Adult	3	0	Civiš et al. (2012)
2010	Moravský písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	<i>Pelophylax</i> sp.	Subadult	26	18	
2011	wetland at the pond north of Moravský Písek	49° 0' 37" N, 17° 20' 35" E	<i>Pelophylax</i> sp.	Subadult	35	0	
2012	Temelín	~49° 10' 49" N, 14° 22' 33" E	<i>Pelophylax</i> sp.	Adult	10	4	
2012	Temelín	~49° 10' 49" N, 14° 22' 33" E	<i>Pelophylax</i> sp.	Adult	1	0	

2012	Temelín	~49° 10' 49" N, 14° 22' 33" E	<i>Pelophylax</i> sp.	Subadult	4	1
2012	Chřiby, Halenkovice Valley	49° 11' 18" N, 17° 26' 29" E	<i>Pelophylax</i> sp.	Subadult	33	11
2008	Prague, Řičanka Stream	50° 3' 7" N, 14° 35' 27" E	<i>Rana temporaria</i>	Adult	5	0
2009	Tuchoraz	50° 2' 60" N, 14° 50' 24" E	<i>Rana temporaria</i>	Adult	1	0
2010	Most, Kopsišská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Rana dalmatina</i>	NA	23	0
2010	Bojanovice, Prague	~49° 10' 49" N, 14° 22' 33" E	<i>Salamandra salamandra</i>	Adult	10	0
2011	Chřiby, below Vlčák at the inlet to the Salaška	49° 9' 33" N, 17° 17' 33" E	<i>Salamandra salamandra</i>	Adult	2	0
2012	Bojanovice, Prague	~49° 10' 49" N, 14° 22' 33" E	<i>Salamandra salamandra</i>	Adult	10	0
2009	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Triturus cristatus</i>	Adult	30	0
2010	Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	<i>Triturus cristatus</i>	Adult	4	0

Table S2. Summary statistics of infection intensities observed at *Batrachochytrium dendrobatidis* positive (*Bd*+) localities included in the generalized linear model analyses. GE: genomic equivalents of zoospores; NA: not applicable

Locality	Latitude, longitude		GE		Sampled species	
	Mean	Median	SD	Mean	SD	
Vřesová and Erika sand quarries	50° 14' 42" N, 12° 40' 17" E	36.75	4118.68			<i>Bufo calamita</i> , <i>Bufo viridis</i>
Chřiby, Halenkovice Valley	49° 11' 16" N, 17° 26' 35" E	420.02	1354.52			<i>Bombina variegata</i> , <i>Pelophylax</i> sp.
Moravský Písek, sand quarry	49° 0' 37" N, 17° 20' 35" E	409.65	1469.79			<i>Bombina bombina</i> , <i>Pelophylax</i> sp.
Chřiby, Salaš fire-safety reservoir	49° 8' 28" N, 17° 21' 55" E	196.26	740.64			<i>Bombina variegata</i>
Chřiby, Skelná Huť	49° 6' 26" N, 17° 13' 48" E	128.63	447.04			<i>Bombina variegata</i>
Most, Růžodolská spoil bank	50° 34' 57" N, 13° 37' 23" E	57.69	72.71			<i>Bombina bombina</i>
Chřiby, Jankovice Valley	49° 10' 4" N, 17° 22' 25" E	27.30	1.27			<i>Bombina variegata</i>
Hluboký pond	50° 23' 5" N, 15° 27' 6" E	17.31	42.07			<i>Bombina bombina</i>
Dobřany u Plzně	49° 39' 12" N, 13° 17' 9" E	6.47	7.97			<i>Bombina variegata</i>
Chřiby, near Cimburk castle	49° 5' 54" N, 17° 12' 25" E	2.99	1.48			<i>Bombina variegata</i>
Chřiby, Zlechovský stream	49° 7' 18" N, 17° 18' 34" E	2.72	0.33			<i>Bombina variegata</i>
Dobrá Voda, Hořice	50° 20' 19" N, 15° 36' 16" E	2.63	3.24			<i>Bombina bombina</i>
Božice, Znojmo	48° 50' 15" N, 16° 16' 57" E	2.37	1.29			<i>Bombina bombina</i>
Velké Karlovice	49° 23' 2" N, 18° 18' 18" E	1.98	2.48			<i>Bombina variegata</i>
Temelín	~49° 10' 49" N, 14° 22' 33" E	1.31	0.93			<i>Pelophylax</i> sp.
Ledce, sand quarry	50° 21' 37" N, 15° 5' 18" E	0.16	NA			<i>Bombina bombina</i>

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