

School-Entry Monitoring of Vaccination Status

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Topics

- Available sources of data
- Hepatitis B vaccination data
 - Germany, Federal and by State
 - Regional
- Hepatitis A vaccination data
 - Baden-Württemberg and regional

Acknowledgements

- Federal and State data were compiled at the Robert Koch-Institute, and were provided by Dr. Sabine Reiter, RKI.
- Data from Bavaria were compiled at the Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit, and were provided by Dr. Stephan Arenz and Dr. Gabriele Morlock.
- Data from Baden-Württemberg were compiled at the Landesgesundheitsamt Baden-Württemberg.
Sources: School-entry examination data and regional vaccination surveys in secondary schools.
Special thanks to local p.h.s. staff and to Dr. Caroline Dreweck and Rainer Brosch at the LGA.

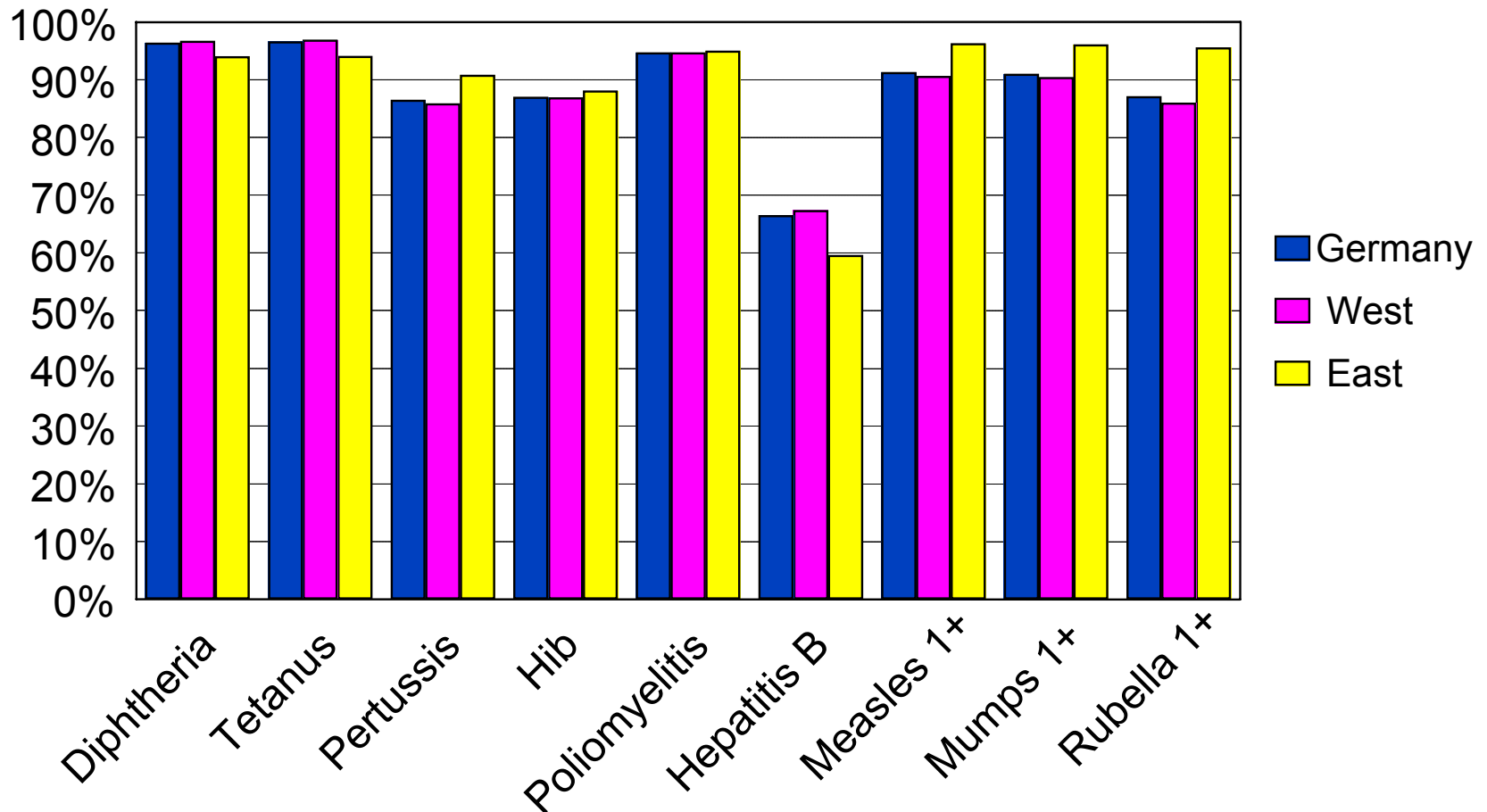
§ 34 Abs. 11 Infection Protection Act

The public health office
or a physician charged by the p.h.s. has, at the
initial admission of a child to the 1st class of a
primary school, to record the vaccination status,
and to forward the anonymized and aggregated
data via the state health authority
to the Robert Koch-Institut.

Consequences flowing from § 34 Abs. 11 IfSG

- Local public health service offices are required to record the vaccination status of all children at school entry
- Timely, complete survey
- Parents are not obliged to cooperate.
The provision of information and vaccination certificates is voluntary.

Vaccination Rates at School-Entry Examinations, Germany, 2000-2002

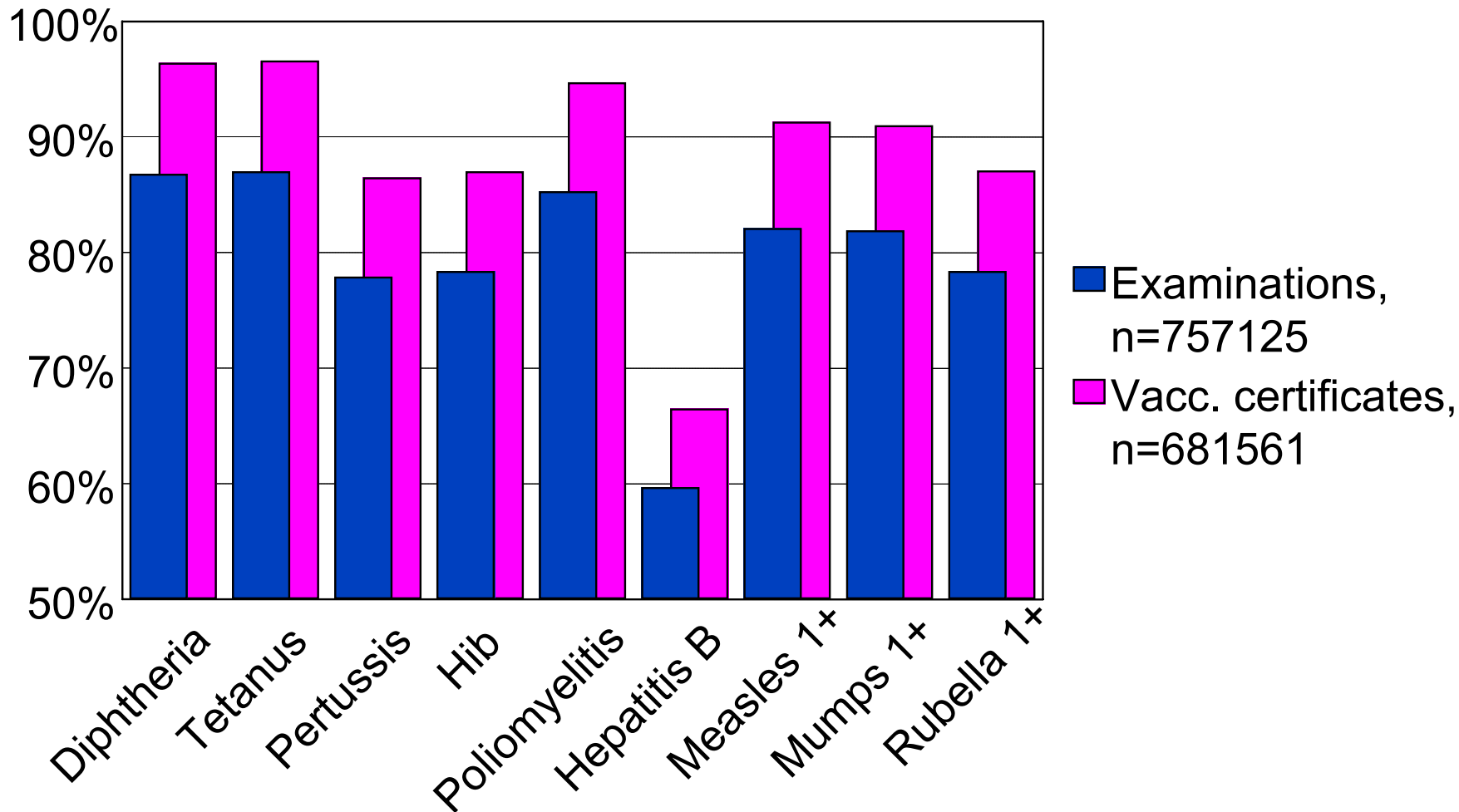


Basis: 681.561 children with vaccination certificate,
Excl. Hamburg, Bremerhaven

Data provided by Sabine Reiter, Robert Koch-Institut

Vaccination Rates at School-Entry Examinations, Germany, 2000-2002

Basis: Children examined / with vaccination certificates

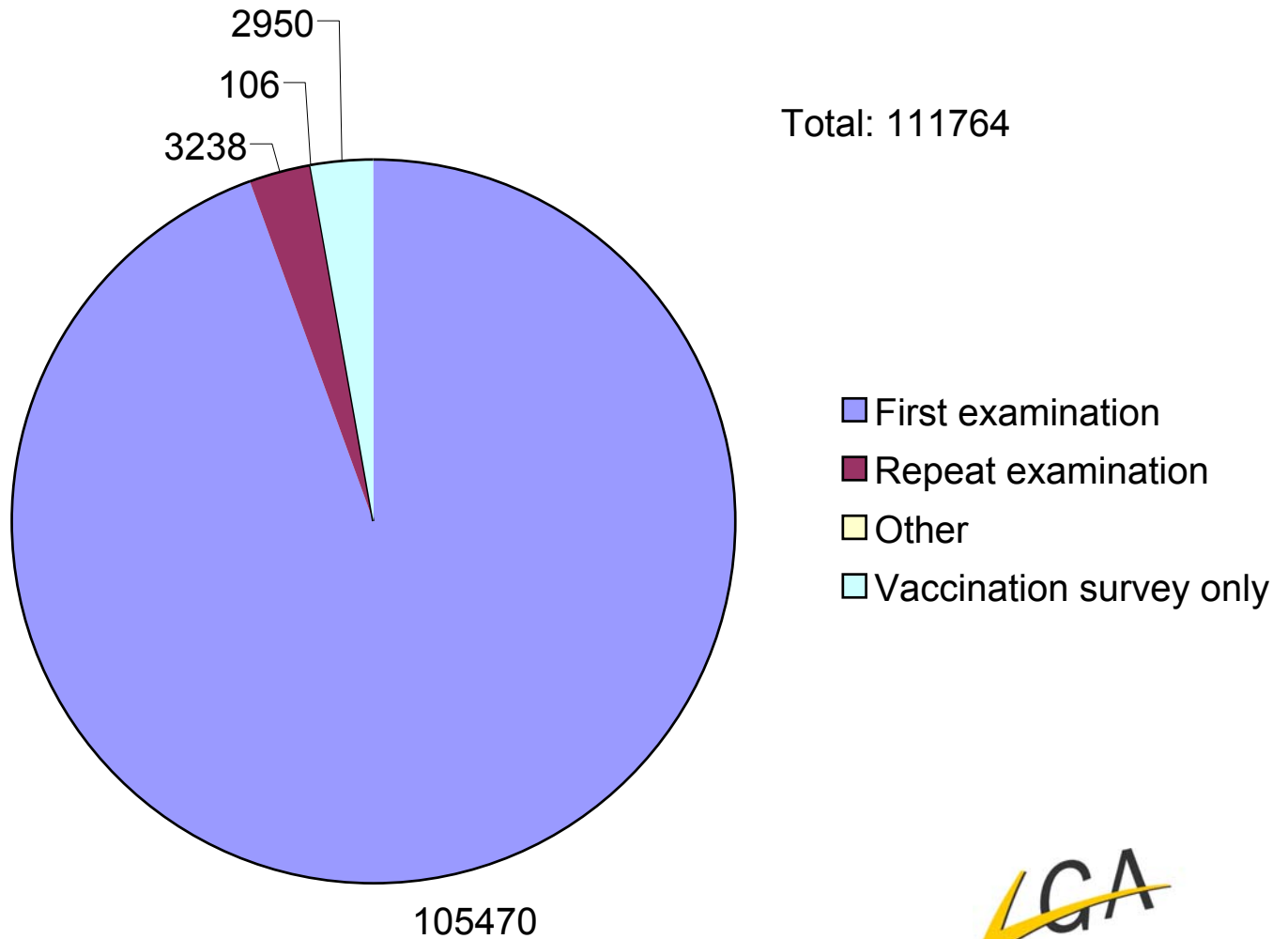


Excl. Hamburg, Bremerhaven, Sachsen

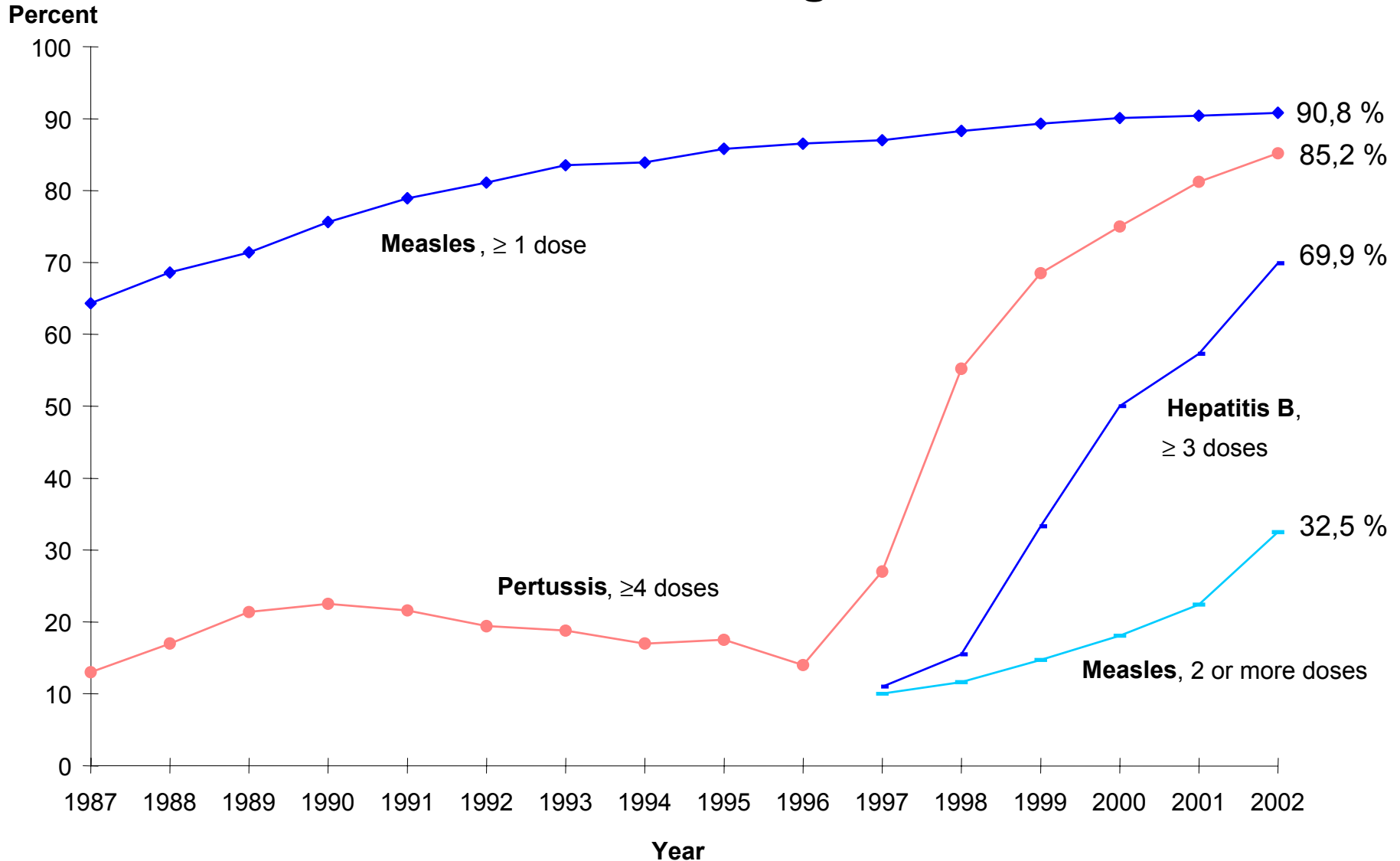
Status: September 2003

Data provided by Sabine Reiter, Robert Koch-Institut

School-Entry Examinations, Baden-Württemberg 2002



Vaccination Coverage Rates at School-Entry Examinations, Baden-Württemberg 1987-2002



Percentage of Children with Vaccination Certificate at School-Entry Examinations, by Nationality, Baden-Württemberg, 2003

Nationality	Certificate provided by...
German	93,1
Turkish	84,6
Italian	88,7
Greek	82,5
Former YU	90,5
Other	79,5

Provisional data from 32 / 38 regional public health offices as of October 12, 2003

Hepatitis B Vaccination Coverage at School-Entry Examinations, by Nationality, Baden-Württemberg 2003

Nationality	Status		
	Unvaccinated	1-2 Doses	3+ Doses
German	16,7	4,6	78,9
Turkish	7,6 *)	5,6	86,8
Italian	7,9	5,3	86,8
Greek	7,8	5,2	88,2
Former YU	7,5	4,0	86,3
Other	12,3	7,4	80,3

Provisional data from 32 / 38 regional public health offices as of October 12, 2003

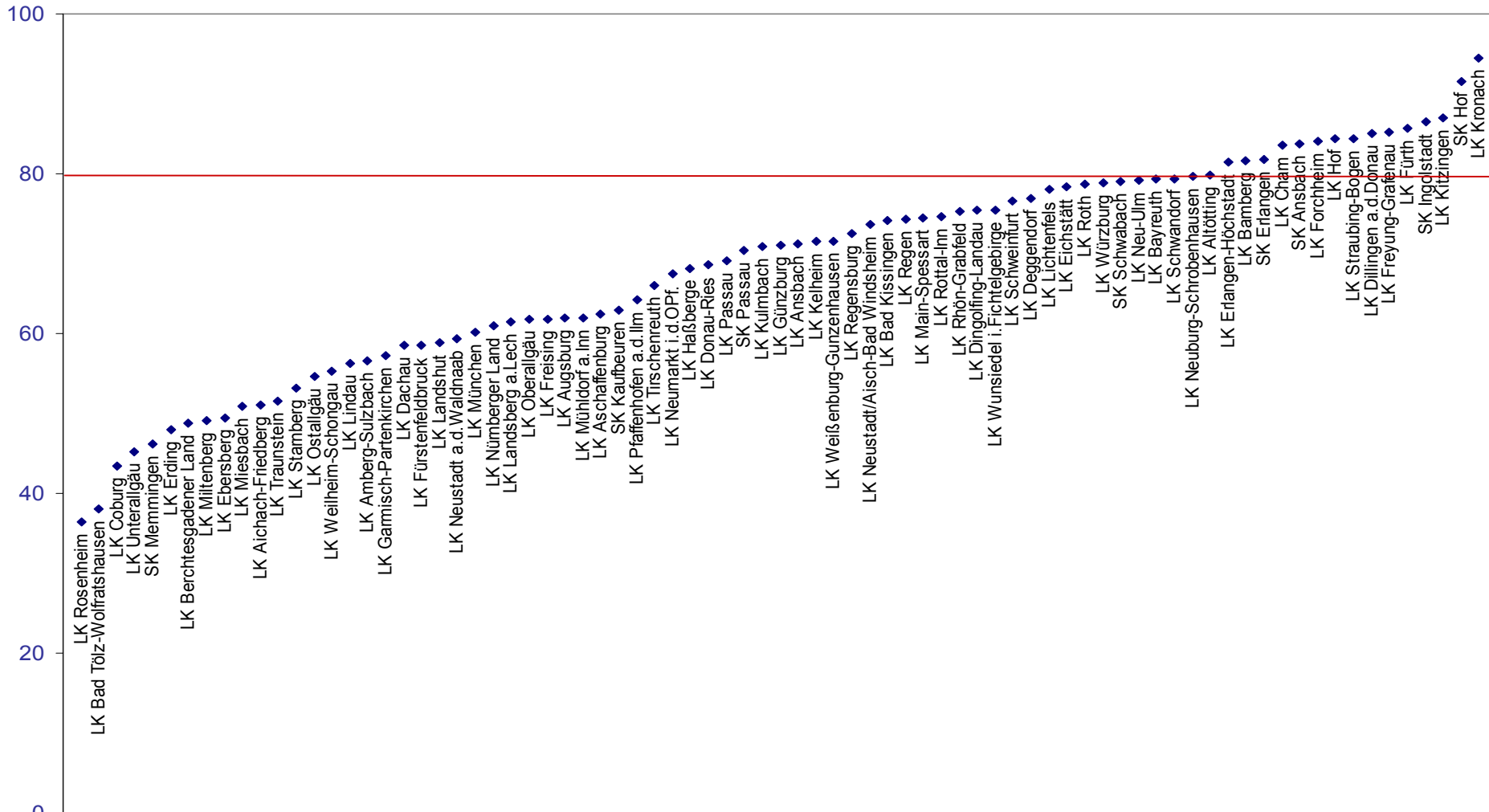
*) $P < 0.001$ for vaccination vs. otherwise

Hepatitis A Vaccination Coverage at School-Entry Examinations, by Nationality, Baden-Württemberg 2003

Nationality	Status		
	Unvaccinated	1-2 Doses	3+ Doses
German	94,5	2,6	3,0
Turkish	90,8	4,9	4,3
Italian	94,5	2,6	3,0
Greek	94,6	2,3	3,1
Former YU	93,1	2,7	4,2
Other	90,6	6,3	3,1

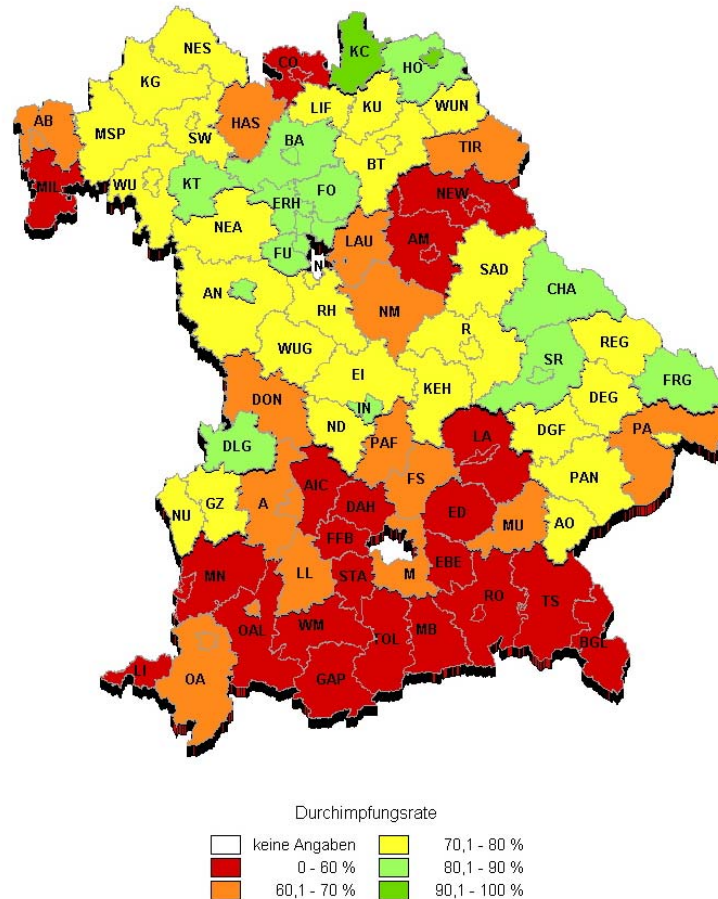
Provisional data from 32 / 38 regional public health offices as of October 12, 2003

Vaccination Coverage Rates for Hepatitis B at School-Entry Examinations, by reporting Public Health Office, Bavaria 2002



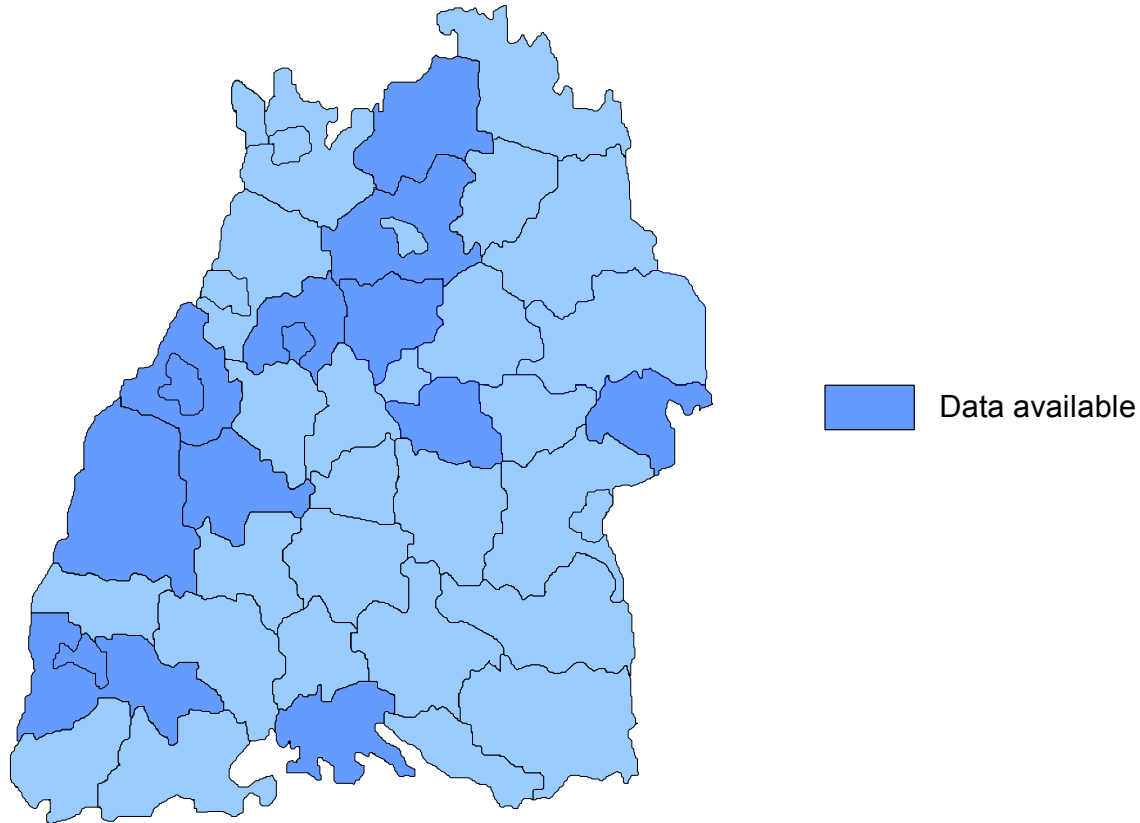
Data provided by Stephan Arenz and Gabriele Morlock,
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*Data provided by Stephan Arenz and Gabriele Morlock,
Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit*

Availability of Vaccination Coverage Data for Secondary School Children (Grades 5-9) by County, Baden-Württemberg 2002/2003



Vaccination Coverage among Children 11-12 Years, Baden-Württemberg, 2002/2003

Age	Hepatitis B Vaccine	
	Unvaccinated	3+ Doses
11 yrs. (n=7927)	29,6	58,5
12 yrs. (n=5547)	40,2	46,9

Pooled data from surveys in 11 counties.

Data may not be representative of entire source population.

Summary

- Hepatitis B vaccination coverage among children entering school age is rising fast
- Regional differences
 - Some communities have reached 95% coverage
 - Others remain far behind
- Coverage among adolescents lags behind
- Hepatitis A vaccination coverage remains low