Supplementary Material

Supplement to Karl et al., Costs of Public Health Screening of Children for Presymptomatic Type 1 Diabetes in Bavaria, Germany

Table of Contents

Table S1. Overview of the amount of resources/estimated units per child screened in the Fr1da study

Index Figure 1	**Time spent (minutes), Pediatric practice** [§]	**Mean**	**SD**	**Distribution**	**Explanation** (see Supplementary Material, Online survey for paediatricians)	**Source**
d	Consent (physician time)	5.14	1.90	Gamma moments	Survey question #3	A
e	Capillary blood draw					
	% by pediatrician	23.08%		Beta	Survey question #4	A
	Physician time	4.00	1.75	Gamma moments	Survey question #4.1	A
	% by nurse	76.92%		Beta	Survey question #4	A
	Nurse time	3.73	0.97	Gamma	Survey question #4.1	A
f	Packaging					
	% by pediatrician	5.88%		Beta	Survey question #5	A
	Physician time	4.90	2.00	Gamma moments	Survey question #5.1	A
	% by nurse	94.12%		Beta	Survey question #5	A
	Nurse time	4.90	2.00	Gamma	Survey question #5.1	A
m	Venous blood draw					
	% by pediatrician	87.88%		Beta	Survey question #7	A

	Physician time	6.61	2.80	Gamma moments	Survey question #7.1	A
	% by nurse	12.12%		Beta	Survey question #7	A
	Nurse time	7.35	0.76	Gamma	Survey question #7.1	A
o	Communication of negative screening result					
	% overall	18.06%	23.00%	Beta moments	Survey question #8	A
	% by pediatrician	88.55%		Beta	Survey question #8.1	A
	Physician time	4.32	2.31	Gamma moments	Survey question #8.2	A
	% by nurse	11.45%		Beta	Survey question #8.1	A
	Nurse time	2.08	1.11	Gamma	Survey question #8.2	A
p	Communication of positive screening result					
	% by pediatrician	97.76%		Beta	Survey question #9	A
	Physician time	11.18	3.07	Normal	Survey question #9.1	A
	% by nurse	2.24%		Beta	Survey question #9	A
	Nurse time	3.00	0.75	Normal	Survey question #9.1	A

Index Figure 1	Time spent (minutes), Coordination center and laboratory	Mean	SD	Distribution	Explanation	Source
a	Logistics					
	Data management time (per child)	1.67	0.33	Normal	A data manager worked 8 hours (sd = 1.6 hours) per week from February 2015 to May 2019 for the Fr1da study	C
	Packing packages with forms and other materials for pediatricians	0.12	0.02	Normal	The time it took to pack one package (12 minutes [sd = 2.4 minute]) that include starter packages for 100 children	C
	Hotline time (per child included)	1.11	0.22	Normal	Fr1da offered a hotline for participating pediatricians that has been active for 90 minutes (sd = 18 minute) per day for 1581 weekdays from February 2015 to May 2019	C
h	Processing					
	Centrifuging	3.25	0.45	Normal	The time per centrifuge (240 min) divided by the number of samples per day (73.91).	B
	Data entering	2.00	0.40	Normal	Basic information had to be entered for every sample received	B
	Follow-up calls (per sample)	0.20	0.02	Normal	The time spent on follow-up calls per day (15 min) divided by the number of samples per day (73.91)	B
i	3-Screen ELISA	3.79	0.38	Normal	The time per ELISA duration (280 min) divided by the number of samples per day (73.91).	B
	Interpretation of ELISA results	0.07	0.01	Normal	Results of every sample that had been tested with ELISA were reviewed by a laboratory staff member	B

j	GADA, IA-2A, ZnT8A (RBAs)	5.68	0.57	Normal	The time per RIA duration (420 min) divided by the number of samples per day (73.91).	B
k	IAA	6.49	0.65	Normal	The time per IAA (480 min) divided by the number of samples per day (73.91).	B
l	Results review	1.00	-	-	For every sample that had been tested positive for at least one autoantibody a medical expert and two technical staff members had to review the result	B

Index Figure 1	**Materials used (number per child)**	**Units**	**SD**	**Distribution**	**Explanation**	**Source**
a	Cardboard used per package sent to pediatricians	0.01	-	-	Packages to doctors were send in cardboard packaging and included material for 100 children	C
a	Flyer and consent form	1.00	-	-	Flyers and consent forms that were send to the pediatricians offices	C
a	Postage (materials to pediatricians) per child	0.01	-	-	The postage for one package with materials (e.g. flyer, consent forms, lancets) for 100 children	C
b	Blood collection devices	1.00	-	-	Lancets & tubes	C
c	Postage (samples to laboratory), mean units	0.23	0.15	Normal	One package can contain more than one sample. Therefore, one package is divided by the number of samples sent per week	C
g	Postage (resend request)	1.00	-	-	Postage for one resend request	C
h	Lab materials	1.00	-	-	Pipette tips and serum tubes	C
h	Barcodes	5.00	-	-	For every sample the laboratory used five barcodes	C
i	3-Screen ELISA	1.00	-	-	Number of tests per sample	C

j	GADA, IA-2A, ZnT8A (RBAs)	1.00	-	-	Number of tests per sample	C
k	IAA	1.00	-	-	Number of tests per sample	C
n	Postage (positive result communication to pediatrician)	1.00	-	-	Postage for the communication of one positive result (negative results were communicated via email)	C
Index Figure 1	**Measures carried out (number per child), Local diabetes clinics**	**Units**			**Explanation**	**Source**
q	OGTT	1.00	-	-	To stage one child at the local diabetes clinic a OGTT is performed	C
q	HbA1c	1.00	-	-	To stage one child at the local diabetes clinic HbA1c% is measured	C
r	Education	1.00	-	-	Every participating family receives one initial education	C
	Number of samples	**Mean**	**SD**	**Distribution**	**Explanation**	**Source**
	Samples sent per week (pediatrician to laboratory)	3.50	1.81	Gamma	Survey question #1	A
	Samples received per day by laboratory	73.91	22.18	Normal	Documentation of the Fr1da coordination center	C

Note. 3-Screen ELISA = 3-Screen Islet Cell Antibody ELISA (RSR Ltd., Cardiff, UK) measuring autoantibodies to GAD (GADA) and/or insulinoma-associated antigen-2 (IA-2A) and/or zinc transporter-8 (ZnT8A); RBA = radio binding assay; IAA = insulin autoantibodies; OGTT = oral glucose tolerance test; HbA1c = glycated hemoglobin; [§] all pediatrician time estimates are 75% of what the actual questionnaire responses were; A = online survey among 134 participating pediatricians; B = information based Fr1da staff member documentation; C = Fr1da coordination center and laboratory

Table S2. Estimated costs per unit of resources

Costs per unit	Observed		Distribution	Explanation	Source
	Mean	*SD*			
Pediatrician time costs	€2.48	€0.05	Normal	Annual revenue of pediatrician in a practice: €352,000 Standard deviation of annual revenue: 2.0% Average working day pear year: 214 Average hours per week: 49 Minus the average annual income of a nurse plus employer contributions [§]	(1)
Nurse time costs	€0.39	€0.08	Normal	Annual income: €32,749.62 Standard deviation of annual income: 20% Working day according pediatrician working days: 214 Average hours per week: 40 Plus employer contributions for pension insurance (9.3%), health insurance (7.3%), unemployment insurance (1.2%), nursing care insurance (1.6%).	(2)
Laboratory staff member time costs	€0.46	€0.09	Normal	Annual income: €39,310.85 Standard deviation of annual income: 20% Working day according pediatrician working days: 214 Average hours per week: 40 Plus employer contributions for pension insurance (9.3%), health insurance (7.3%), unemployment insurance (1.2%), nursing care insurance (1.6%).	(3)
Expert time costs	€2.48	€0.05	Normal	Equal to the pediatrician time costs.	(1)
Scientific staff member time costs	€0.71	€0.14	Normal	Annual income: €59950.67 Standard deviation of annual income: 2.0% Working day according pediatrician working days: 214 Average hours per week: 40 Plus employer contributions for pension insurance (9.3%), health insurance (7.3%), unemployment insurance (1.2%), nursing care insurance (1.6%)."	(4)

Cardboard	€1.77	-	-	Costs for cardboard for one package that contains material for 100 children	(5)
Costs for printing one set of forms	€0.14	-	-	Costs for printing one set of forms	(5)
Postage for large materials to pediatricians	€6.25	-	-	Postage for one package sent to a pediatrician practice that includes material for 100 children	(5)
Postage for smaller packages	€0.80	-	-	Postage for any other kind of smaller package or letter (e.g. resend requests, samples to laboratory)	(5)
3-Screen ELISA	€1.20	-	-		RSR Ltd.
GADA, IA-2A, ZnT8A (RBAs)	€5.50	-	-		(5)
IAA	€6.50	-	-		(5)
Blood collection devices	€0.18	-	-		(5)
Follow-up calls	€0.09	-	-		
Barcodes	€0.14	-	-		(5)
Other lab material	€0.04	-	-		(5)

OGTT	€14.17	-	-	Costs per OGTT were drawn from the uniform valuation standard of the EBM	(6)
HbA1c	€4.00	-	-	Costs per HbA1c measurement were drawn from the uniform valuation standard of the EBM	(6)
Diabetes Education	€33.00	-	-	Costs per education were drawn from the uniform valuation standard of the EBM	(6)

Note. 3-Screen ELISA = 3-Screen Islet Cell Antibody ELISA (RSR Ltd., Cardiff, UK) measuring autoantibodies to GAD (GADA) and/or insulinoma-associated antigen-2 (IA-2A) and/or zinc transporter-8 (ZnT8A); RBA = radio binding assay; IAA = insulin autoantibodies; OGTT = oral glucose tolerance test; HbA1c = glycated hemoglobin; EBM = uniform evaluation standard of the National Association of Statutory Health Insurance Physicians (KBV); [§] To estimate the time costs per minute for a pediatrician in Germany, we relied on the "Zi-Praxis-Panel" (1). The panel conducts an annual survey of physicians in private practice in Germany. The survey collected data from 5,519 physicians including 107 pediatricians and analyzed detailed information on physician income/revenue and expenditures. As a result, we were able to determine the actual income of pediatricians in the survey. We divided these incomes by reported minutes worked, assuming a reported workload of 49 hours per week, 251 days worked, and 37 days absent due to vacations and illness. To avoid double-counting, the income of a nurse has been deducted from the annual revenue of the practice. Physicians in private practice are usually self-employed. Nurses and healthcare staff are usually employed and therefore employer contributions (overhead costs) apply.

Table S3. Cost items and average costs per measure in the Fr1da study

Index Figure 1	**Cost item**	**Costs per measure**	**Probabilistic 95% confidence interval**		**Calculation**	
		Mean	LCI	UCI	Number of units per child (see Table S1)	Costs per unit (see Table S2)
a	Logistics	€2.57	€1.93	€3.17	Units of cardboard	Costs per cardboard packaging
					Units of forms per family	Costs per form
					Time it takes to pack one material package / 100	Laboratory staff member time costs
					Time it takes to manage the data of one child	Scientific staff member time costs
b	Lancet & tube	€0.18	-	-	Number of blood collection devices	Costs of one blood collection device
c	Postage	€0.23	€0.03[§]	€0.53	1 / Samples per week (physician to laboratory)	Postage for one small package
d	Consent	€12.77	€5.14	€24.37	Time it takes a pediatrician to inform families and obtain their consent	Pediatrician time cost
e	Capillary blood	€3.40	€1.66	€6.00	(% of capillary blood samples performed by a pediatrician * time it takes a pediatrician to perform a capillary blood draw)	Pediatrician time cost
					(% of capillary blood draws performed by a nurse * time it takes a nurse to perform a capillary blood draw)	Nurse time cost

f	Packaging	€0.72	€0.10	€1.25	(% of packaging performed by a pediatrician * time it takes to pack samples)	Pediatrician time cost
					(% of packaging performed by a nurse * time it takes to pack samples) / samples per week (physician to laboratory)	Nurse time cost
g	Sample request	€0.80	-	-	Resend request	Postage for one resend request
h	Processing	€2.70	€1.97	€3.53	Time spent on follow-up calls per sample	Laboratory staff member time costs
					Time spent on centrifuging / samples received per day by laboratory	Laboratory staff member time costs
					Number of barcodes	Costs of one barcode
					Number of other lab materials	Costs of one unit of pipette tips and serum tubes
					Data entering	Laboratory staff member time costs
i	3-Screen ELISA	€2.98	€2.23	€3.82	Time spent on ELISA / samples received per day by laboratory	Laboratory staff member time costs
					Number of ELISA tests utilized per sample	Costs of one measurement of ELISA
					Time spent on interpreting ELISA result	Laboratory staff member time costs
j	GADA, IA-2A, ZnT8A (RBAs)	€8.13	€7.07	€9.30	Time spent on RBAs / samples received per day by laboratory	Laboratory staff member time costs
					Number of RBAs utilized per sample	Costs of one measurement of RBAs

k	IAA	€9.51	€8.27	€10.95	Time spent on IAA-RBAs / samples received per day by laboratory	Laboratory staff member time costs
					Number of RBAs utilized per sample	Costs of one measurement of IAA
l	Results review	€3.65	€3.31	€3.99	Time spent on interpretation of a laboratory result	Expert time costs
					Time spent on interpretation of a laboratory result	Laboratory staff member time cost
					Time spent on interpretation of a laboratory result	Scientific staff member time costs
m	Venous blood	€12.75	€5.80	€22.39	% of venous blood draws performed by a pediatrician * time it takes a pediatrician to perform a venous blood draw	Pediatrician time cost
					% of venous blood draws performed by a nurse * time it takes a nurse to perform a venous blood draw	Nurse time cost
n	Result communication (letter)	€0.80	-	-	Positive result letter	Postage for one letter
	Communication to family (negative result) (observed)[§]	€1.73	€0.36	€4.88	% of negative results communicated by a pediatrician * time it takes a pediatrician to communicate a negative result	Pediatrician time cost
					% of negative results communicated by a nurse * time it takes a nurse to communicate a negative result	Nurse time cost
o	Communication to family	€9.59	€2.53	€23.70	% of negative results communicated by a pediatrician * time it takes a	Pediatrician time cost

	(negative result) (routine)				pediatrician to communicate a negative result	
					% of negative results communicated by a nurse * time it takes a nurse to communicate a negative result	Nurse time cost
p	Communication to family (positive result)	€27.16	€26.76	€27.41	% of positive results communicated by a pediatrician * time it takes a pediatrician to communicate a positive result	Pediatrician time cost
					% of positive results communicated by a nurse * time it takes a nurse to communicate a positive result	Nurse time cost
q	Metabolic staging	€18.17	-	-	Number of OGTTs necessary for staging	Costs of one OGTT
					Number of Hba1c measurements necessary for staging	Costs of one HbA1c measurement
r	Diabetes Education	€33.00	-	-	Number of education sessions	Costs of one education session

Note. LCI = lower 95% confidence interval; UCI = upper 95% confidence interval; 3-Screen ELISA = 3-Screen Islet Cell Antibody ELISA (RSR Ltd., Cardiff, UK) measuring autoantibodies to GAD (GADA) and/or insulinoma-associated antigen-2 (IA-2A) and/or zinc transporter-8 (ZnT8A); RBA = radio binding assay; IAA = insulin autoantibodies; OGTT = oral glucose tolerance test; HbA1c = glycated hemoglobin; [§] costs observed for negative result communication are not displayed in Figure 1 because negative result communication was generally assumed in 16.1% of *all* negative results, e.g. also including ELISA negative results. [§] Due to the distribution parameters (mean = €0.23, sd = €0.15), some of the simulated values where < 0. These values have been replaced by the deterministic mean of €0.23.

References

1. Zi-Praxis-Panel. Jahresbericht 2017 Wirtschaftliche Situation und Rahmenbedingungen in der vertragsärztlichen Versorgung der Jahre 2013 bis 2016. Berlin, Germany: Zi-Praxis-Panel,; 2019 Juni 2019.
2. Dienst; Ö. Entgeltgruppe E 9b, Stufe 3 im Bereich Bund, Tabelle 01.07.2016 - 31.01.2017 2020 [Available from: https://oeffentlicher-dienst.info/c/t/rechner/tvoed/bund/a/2016i?id=tvoed-bund-2016i&g=E_9b&s=3&zv=VBL&z=100&zulage=&stkl=1&r=0&zkf=0&kk=15.5%25
3. Dienst; Ö. Entgeltgruppe E 5, Stufe 3 im Bereich Bund, Tabelle 01.07.2016 - 31.01.2017 online2020 [Available from: https://oeffentlicher-dienst.info/c/t/rechner/tvoed/bund/a/2016i?id=tvoed-bund-2016i&g=E_5&s=3&zv=VBL&z=100&zulage=&stj=2016&stkl=1&r=0&zkf=0&kk=15.5%25
4. Dienst; Ö. Entgeltgruppe E 13, Stufe 3 im Bereich Bund, Tabelle 01.03.2020 - 31.08.2020 2020 [Available from: https://oeffentlicher-dienst.info/c/t/rechner/tvoed/bund?id=tvoed-bund&g=E_13&s=3&zv=VBL&z=100&zulage=&stkl=1&r=0&zkf=0&kk=15.5%25
5. Ziegler A, Achenbach P, Winkler C. Cost plan of the Fr1da study (JDRF Strategic Research Agreement).
6. Kassenärztliche Bundesvereinigung (KBV). Einheitlicher Bewertungsmaßstab (EBM): Kassenärztliche Bundesvereinigung (KBV); 2020 [Available from: https://www.kbv.de/html/online-ebm.php

Online survey for pediatricians participating in the Fr1da study

1. On average, how many children participate in Fr1da in your practice per week?

   Please give an integral number: |__|__|__|

2. What is the proportion of families that deny their participation in Fr1da after receiving information?

   Please give an integral number: |__|__|__| %

3. On average, how much time does information and consent per family take?

   Please give the time in minutes: |__|__|__|min

4. Usually, who performs the capillary blood draw that is necessary for participation in the Fr1da study?

   0 Physician

   0 Nurse

   4.1. On average, how much time does a capillary blood draw take?

   Please give the time in minutes: |__|__|__|min

5. Usually, who takes care of the packaging and shipping of the samples?

   0 Physician

   0 Nurse

   5.1. On average, how much time does the packaging and shipping of the samples take?

   Please give the time in minutes: |__|__|__|min

6. Usually, who informs families that a venous blood draw is needed for the child and asks for another appointment?

   0 Physician

   0 Nurse

   6.1. On average, how much time does this conversation with families take?

   Please give the time in minutes: |__|__|__|min

7. Usually, who performs the venous blood draw that is sometime requested by the in the Fr1da study coordination center?

0 Physician

0 Nurse

7.1. On average, how much time does a venous blood draw take?

Please give the time in minutes: |__|__|__|min

8. What is the proportion of families that you inform of a negative screening result (i.e. no diagnosis of presymptomatic type 1 diabetes)?

Please give an integral number: |__|__|__| %

8.1. Usually, if the families are informed of a negative screening result, who informs the families?

0 Physician

0 Nurse

8.2. On average, how much time does the communication of a negative screening result take?

Please give the time in minutes: |__|__|__|min

9. Usually, who informs the families of a positive screening result (i.e. diagnosis of presymptomatic type 1 diabetes)?

0 Physician

0 Nurse

9.1. On average, how much time does the communication of a positive screening result take?

Please give the time in minutes: |__|__|__|min

Fr1da Study Group

Fr1da coordinating center (Institute of Diabetes Research, Helmholtz Zentrum München)

Principle investigator: Anette-Gabriele Ziegler, MD; *Study coordination:* Kerstin Kick, PhD, Robin Assfalg, PhD; *Logistics and database development:* Florian Haupt, PhD, Andreas Beyerlein, PhD; *Database management*: Christiane Winkler, PhD, Manja Jolink, MSc, Nana-Adjoa Kwarteng, MSc; *Teaching, metabolic staging, care, and follow-up of children with presymptomatic type 1 diabetes:* Anna Hofelich, MD, Franziska Reinmüller, MD, Tiziana Welzhofer, MD, Claudia Ramminger, Joanna Stock, Anja Heublein, Charlotte Koch, Annette Knopff; *Administrative and Scientific Management:* Ramona Lickert, PhD; *Islet autoantibody determination, sample processing, and methodology development:* Peter Achenbach, MD, Ezio Bonifacio, PhD, Susanne Wittich, Katharina Gestrich, Marlon Scholz, Claudia Matzke; *Genotyping:* Markus Hippich, PhD; *Data analysis*: Anette-Gabriele Ziegler, MD, Christiane Winkler, PhD, Ezio Bonifacio, PhD, Markus Hippich, PhD; *Analytical support:* Andreas Weiss, PhD, Peter Achenbach, MD, Manja Jolink, MSc, Nana-Adjoa Kwarteng, MSc; *Dissemination, information, and public relations:* Peter Achenbach, MD, Cordula Falk, Mona Walter.

Fr1da clinical centers

Teaching, metabolic staging, care, and follow-up of children with presymptomatic type 1 diabetes: Susanne Bechtold-Dalla Pozza, MD, Dr. von Hauner Children's Hospital LMU, Munich; Dominik Böcker, MD, Nuremberg Hospital South, Nuremberg; Sonja Braig, MD, Pediatric Clinic of the Bayreuth Hospital, Bayreuth; Desiree Dunstheimer, MD, Augsburg Hospital, Augsburg; Uwe Ermer, MD, St. Elisabeth Klinik, Neuburg/Donau; Antonia Gavazzeni, MD, Munich; Eva-Maria Gerstl, MD, Children`s hospital Dritter Orden, Passau; Ursula Kuhnle-Krahl, MD, Diabetes Center, Gauting; Herbert Müller, MD, Hospital Kempten, Kempten; Nicole Nellen-Hellmuth, MD, Würzburg; Christian Ockert, MD, RoMed Hospital, Rosenheim; Christian Renner, MD, Deggendorf; Marina Sindichakis, MD, Hospital Traunstein, Traunstein; Stefanie Tretter, MD, Hospital Weiden, Weiden; Katharina Warncke, MD, Department of Pediatrics, Klinikum rechts der Isar, TUM, Munich.

Fr1da primary care pediatricians

Obtaining informed consent of parents, and blood samples from Fr1da study participants: Simon Abendroth, MD, Landsberg am Lech; Renate Abt, MD, Wendelstein; Klaus Adams, MD, Lindau; Adelhardt/Schuster, MD, Hersbruck; Georg Aderbauer, MD, Weiden; Aderbauer/Leonhardt/Scharnowski-Fischer, MD, Weiden; Bettina Aichholzer, MD, Bad Endorf; Ina Albrich, MD, Dorfen; Stephan Arenz, MD, Pfaffenhofen; Imam Arslan, MD, München; Olga Arzberger, MD, Sünching; Ärztezentrum Hammelburg, Hammelburg; Bernd Aulinger, MD, Burglengenfeld; Thomas Autenrieth, MD, Saulgrub; Averbeck, MD, Pfaffenhofen; Andrea Bachmeyr, MD, München; Erika Bahn, MD, Nürnberg; Baier, MD, Schwabach; Ana-Maria Baitanu, MD, Selb; Elmar Barthel, MD, Gemünden; Barthel/Kinzel, MD, Oberstdorf; Marina Bascone-Fricke, MD, Aidenbach; Batz/Hubmann, MD, Zirndorf; Rolf Bauer, MD, Roth; Yvonna Bauer, MD, Augsburg; Matthias Bauer, MD, Beilngries; Gunhild Bauer-Niedermaier, MD, Zirndorf; Larissa Baumgärtner, MD, Heilsbronn; Michael Bäzner, MD, Sonthofen, Beck/Baier/Mussar, MD, Donauwörth; Axel Becker, MD, Haar; Christian Becker, MD, Bad Aibling; Beer/Schirmer, MD, Marktredwitz; Behdjati-Lindner/Rein, MD, Haßfurt; Lutz Bellingrath, MD, Bamberg; Reiner Benckendorff, MD,

Augsburg; Julia Berg, MD, Neumarkt; Monika Berger, MD, Haimhausen; Annerose Bergner, MD, München; Bernhart/Wieland, MD, München; Martina Bertholl, MD, Donaustauf; Florian Berz, MD, München; Beste/Hosemann, MD, Dachau; Reinhard Beuthan, MD, Dingolfing; Katrin Biebach, MD, München; Bierler/Keppler/Beer, MD, Amberg; Biermann-Franke/Trinczek, MD, Erlangen; Binder/Redenbacher/Zink, MD, Nürnberg; Georg Black, MD, Dietfurt; Elisabeth Blaettner, MD, Augsburg; Maria-Magdalena Blauditschek, MD, Würzburg; Jörg Blume, MD, Schweinfurt; Blümel-Eiber/Rösch, MD, Nürnberg; Andreas Blüml, MD, Trostberg; Böhm/Durmus, MD, Wettstetten; Mirko Böhme, MD, Sulzberg; Sabine Böhm-Vogt, MD, Ottobrunn; Elisabeth/Thomas Boretzki, MD, Eichstätt; Karola Börzsönyi, MD, Freising; Nadja Bösel, MD, Neumarkt/Opf.; Stephan Böse-O'Reilly, MD, München; Diana Boudova, MD, Neunburg vorm Wald; Michael Brack, MD, Urspringen; Malte Bräutigam, MD, Eichstätt; Walter Breiner, MD, Marktoberdorf; Ulrike Brendel, MD, Parsberg; Michael Brijnen von Oldershausen, MD, München; Christian Brückmann, MD, Brannenburg; Brunnhölzl/Grimberg, MD, München; Halina Eva Buchalik, MD, Lauf an der Pegnitz; Franz Bundscherer, MD, Geretsried; Anna Bürcky, MD, Ochsenfurt; Burg/Berger, MD, Straubing; Büttner/May, MD, Memmingen; Barbara Capelle, MD, Unterhaching; Mona Castrop, MD, Regensburg; Chittka/Kordowich/Eltermann, MD, Karlstadt; Barbara Christl, MD, Wegscheid; Alina Cocos, MD, Markt Schwaben; Cordes/Gebhard, MD, Nürnberg; Christoph Daffner, MD, Nürnberg; Claudia Delles, MD, Nürnberg; Arcan Demircioglu, MD, München; Jost Dieckerhoff, MD, Rosenheim; Karolin Diergarten, MD, Germering; Karolin Diergarten, MD, Eching; Peter Dietl, MD, München; Elmar Dietmair, MD, Bobingen; Lutz Dietrich, MD, Hof; Dietrich/Bihler, MD, Aichach; Brigitte Dietz, MD, Taufkirchen; Christian Döbig, MD, Erlangen; Donath/Kammermeier, MD, Passau; Sylvia Döpfer, MD, München; Jürgen Dörrer, MD, Freyung; Ragnar Dörrfuss, MD, Nürnberg; Monika Drexel, MD, Rehau; Bettina Düll, MD, Ippesheim; Elke Düll-Schiller, MD, Neumarkt; Désirée Dunstheimer, MD, Augsburg; Stefan Eber, MD, München; Thomas Ebert, MD, Veitsbronn/Siegelsdorf; Christoph Ebert, MD, Ebersberg; Christina Eder, MD, Bayreuth; Eibl, MD, Beratzhausen; Claudia Eichwald, MD, Ingolstadt; Annette Eiden, MD, Gauting; Hans-Dieter Eisner, MD, Kronach; Claus Engelhardt, MD, Nürnberg; Anja Engelmann, MD, Dinkelscherben; Georg Engl, MD, München; Uta Enzensberger, MD, Mering; Alois Epp, MD, Kaufbeuren; Petra Erhardt, MD, Bamberg; Patricia Erlinger, MD, Postbauer-Heng; Uwe Ermer, MD, Neuburg/Donau; Kirsten Exl, MD, München; Florian Fackler, MD, Erlangen; Edgar Fath, MD, München; Fauser/Sand/Karolyi/Hegele, MD, Dillingen; Peter Feiereisen, MD, München; Daniela Felsl, MD, Wolnzach; Maria Fischer, MD, Lappersdorf; Cordula Fischer-Trüstedt, MD, München; Fleck/Heihoff, MD, Regensburg; Katrin Flögel, MD, Gundelfingen; Katrin Flögel, MD, Günzburg; Anna-Maria Frangoulis, MD, Gilching; Katrin Franke-Augustin, MD, Bayreuth; Harald Frantzmann, MD, Memmingen; Rudolf Franz, MD, München; Alexandra Fraundorfer, MD, Michelsneukirchen; Susanne Freislederer-Caccia, MD, München; Claudia Frey, MD, Augsburg; Karl Fromme, MD, Coburg; Dominik Fürsich, MD, Altdorf; Ulrich Gandela, MD, Furth im Wald; Susanne Gandenberger-Bachem, MD, München; Markus Gauer, MD, Vöhringen; Antonia Gavazzeni, MD, München; Bernhard Geck, MD, Nürnberg; Edeltraud Gerber, MD, Kolbermoor; Martin Gerlich, MD, Dinkelsbühl; Elke Gerlitz, MD, Herzogenaurach; Julia Gerstl, MD, Hauzenberg; Michael Gerstmayr, MD, Ingolstadt; Jürgen Geuder, MD, Freilassing; Johannes Gilles, MD, Gunzenhausen; Rainer Gillessen, MD, Ottobrunn; Elisabeth Gimpl, MD, Schweinfurt; Cornelia Gläßel, MD, Fürth; Judith Glöckner-Pagel, MD, Regensburg; Elke Gloger, MD, Ochsenfurt; Birgit Goldschmitt-Wuttge, MD, München; Michaela Göttler, MD, Muhr am See; Martin Götz, MD, Elisabethzell;

Götz/Sautier, MD, Pullach; Wolfgang Graser, MD, Nürnberg; Marion Grau, MD, Nürnberg; Martin Griebel, MD, Poing; Anette Groethuysen, MD, München; Wilma/Josef Großkopf, MD, Wallerfing; Angelika Gruber-Müller, MD, Ingolstadt; Martin Grundhuber, MD, Bad Tölz; Dietrich Grunert, MD, Kempten; Mehmet Güler, MD, Neuendettelsau; Christian Haas, MD, München; Richard Haaser, MD, Feucht; Hanne Habelt-Bock, MD, Happurg; Caroline Haberl, MD, Starnberg; Ulrich Hagen, MD, Friedberg; Henrik Halboni, MD, München; Verner Hallmen, MD, München; Emma Halwas, MD, Geisenfeld; Stefan Hammann, MD, München; Georg Handwerker, MD, Passau; Matthias Hartig, MD, Vilsbiburg; Marcus Härtle, MD, Krumbach; Conny Hartmann, MD, Bad Wörishofen; Ingrid Hartmann, MD, Lichtenfels; Christian Hartnik, MD, Bad Staffelstein; Matthias Hasenpusch, MD, Schierling; Ulrike Haun, MD, Vilshofen; Gabi Haus, MD, München; Häußlein/Joha/Deckelmann, MD, Würzburg; Rudolf Havla, MD, Hof; Johannes Havla, MD, Pegnitz; Gabriele Hecht, MD, Peiting; Heck-Buchhorn/Willnow, MD, Kösching; Hedderich/Seidl, MD, Füssen; Bernhard Heeren, MD, Langenzenn; Ralph Heidingsfelder, MD, Ansbach; Christine Heinemeyer, MD, Nordheim; Markus Helmreich, MD, Schweinfurt; Tanja Hemmers, MD, Augsburg; Andreas Henning, MD, Lauf; Johannes Herrmann, MD, Schweinfurt; Holger Hertzberg, MD, Schwabach; Sigrid Hesse, MD, Straubing; Heuschmann/Ewald, MD, Regensburg; Andreas Hickmann, MD, Schneeberg; Ulrich Hilber, MD, Höchstadt; Hinkes/Fröhlich, MD, Forchheim; Andrea Hinnawi, MD, Großostheim; Ladislaus Hochschau, MD, Regensburg; Cornelia Hoegen, MD, Herrsching; Reinhard Hoffmann, MD, Landshut; Klaus Hoffmann, MD, Niederwerrn; Steffen Hoffmann-Baldus, MD, Haar; Gerhard Hofmann, MD, Würzburg; Meike Hofmann, MD, Mitterteich; Högl/Zuj, MD, Schwandorf; Sabina Hohn, MD, Nürnberg; Marie-Luise Holler, MD, Rain am Lech; Martina Hoog, MD, Uffenheim; Kirsten Höper, MD, Augsburg; Gabriele Hopf, MD, Ingolstadt; Jörg Horcher, MD, Straubing; Alexia Horelt-Ernou, MD, München; Michael Horn, MD, Schönau am Königssee; Birgit Hortig-Nevelö, MD, Regenstauf; Annette Hovestadt, MD, München; Gottfried Huber, MD, München; Benedikta Huber-Lederer, MD, Fürstenzell; Irene Hummel, MD, Bamberg; Peter Hußlein, MD, Grassau; Wolfgang Hüttner, MD, Coburg; Anna Maria Iarrapino-Demmel, MD, München; Birgit Indlekofer, MD, Tutzing; Anneliese Intemann, MD, München; Margarete Jäger, MD, München; Christine Janello, MD, Neubiberg; Jarosch/Langer, MD, Würzburg; Stefan Jobst, MD, Bayreuth; Janina Joiko, MD, München; Birgit Jork-Käferlein, MD, Prien; Guido Judex, MD, Regensburg; Judex/Corbacioglu/Lindner/Baumgartner, MD, Regensburg; Ronny Jung, MD, Roth; Imme Kaiser, MD, Puchheim; Kallmann/Kohl, MD, München; Andreas Kalmutzki, MD, Schwabach; Ludwig Kamhuber, MD, Kraiburg am Inn; Vanadis Kamm-Kohl, MD, Nürnberg; Lampros Kampouridis, MD, Baldham; Michael Kandler, MD, Nürnberg; Susanne Kastl, MD, Bayreuth; Walther Kaufmann, MD, Nürnberg; Bernhard Keck, MD, Augsburg; Ursula Keicher, MD, Neubiberg; Peter Kellner, MD, Vilsbiburg; Lars Kellner, MD, Gräfelfing; Beate Kevekordes-Stade, MD, Neunkirchen am Brand; Ghassan Khazim, MD, Hammelburg; Christiane Kiefer, MD, Straßlach; Werner Kienle, MD, Feldkirchen-Westerham; Gunhild Kilian-Kornell, MD, Starnberg; Christa Kitz, MD, Veitshöchheim; Annegret Klein, MD, Oberaudorf; Arno Klein, MD, Vilsbiburg; Klein/Kutter, MD, Augsburg; Kristina Klemp, MD, Burgkunstadt; Jörg Klepper, MD, Aschaffenburg; Margreth Knebel, MD, München; Knee/Treude, MD, Peißenberg; Knieß/Kolonko, MD, Ingolstadt; Kober/Spannagel, MD, Gmund; Koch/Gerdemann/Kimpel, MD, Erlangen; Katalin Köhler-Vajta, MD, Grünwald; Herbert Kollaschinski, MD, Marktredwitz; Cornelia Komm, MD, Waldkraiburg; Nikos Konstantopoulos, MD, München; Cosima Köring, MD, Altötting; Christian Korzinek, MD, Wolnzach; Renate Kramer, MD, München; Guido Krandick, MD, Deisenhofen; Barbara

Krappatsch, MD, Viechtach; Krause/Stepanowa/Kiani, MD, Bayreuth; Berndt Kreisberger, MD, Ismaning; Stefan Krell, MD, Tirschenreuth; Gabriela Kreller-Laugwitz, MD, Adelsdorf; Ulrike Kreuels, MD, Nürnberg; Michaela Krieger, MD, Germering; Andreas Kronwitter, MD, München; Matthias Krueger, MD, Klingenberg; Kubryk/Döring, MD, Aschheim; Thomas Kuchenbauer, MD, München; Lisa Kuchler, MD, Stallwang; Heinrich Küffner, MD, Bad Windsheim; Kugler/Mühe, MD, München; Stephan Küntzer, MD, Kitzingen; Wolfgang Künzer, MD, Regensburg; Beate Kusser, MD, München; Wolfgang Küver, MD, München; Franz Lachner, MD, Ruhpolding; Christof Land, MD, Gauting; Wolfgang Landendörfer, MD, Nürnberg; Martin Lang, MD, Augsburg; Christina Lang, MD, Nürnberg; Lang/Zötl, MD, Bad Tölz; Bettina Lang-Negretto, MD, München; Otto Laub, MD, Rosenheim; Annette Laub, MD, Bergen; Peter Lautenbach, MD, Herzogenaurach; Gerhard Legat, MD, Amberg; Ulrike Lehnert, MD, Erlangen; Leidig/von Goessel, MD, Lauf; Christian Leitner, MD, Pfaffenhofen an der Ilm; Lenz/Wander, MD, Piding; Katrin Leuchtenberger, MD, Kelheim; Ildiko Leuthe-Vogel, MD, Neu-Ulm; Karin Leykauf, MD, Bayreuth; Hans Lichtenstern/Muhr/Busse/Fischer, MD, Pocking; Werner Lick, MD, Würzburg; Gabriele Lieb, MD, Würzburg; Bärbel Liebezeit, MD, Mühldorf am Inn; Armin Liebscher, MD, Eckental; Katharina Lindel, MD, Rain am Lech; Michaela Lindenau-Maier, MD, Pfaffenhofen; Susanne Linder, MD, Grafrath; Lindhorst/Seng/Schuch, MD, Unterschleißheim; Hubertus Lindner, MD, Pegnitz; Ruth Lindner-Gajek/Maisch, MD, München; Lipinski/Mende/Kirtscher, MD, Lindenberg; Barbara List, MD, Siegsdorf; Lodes/Rosenthal, MD, Neumarkt; Markus Loeff, MD, Landsberg am Lech; Andreas Lorenz, MD, Krumbach; Petra Lorenzini, MD, Heideck; Martin Löw, MD, Memmingen; Ulf Lüdicke, MD, Rödental; Anna Elisabeth Lüdtke, MD, Neu-Ulm; Renata Lysy, MD, Möhrendorf; Eva Maas-Doyle, MD, Erlangen-Tennenlohe; Mahlmeister/Conze, MD, Schondra; Maier/Weerda, MD, Pfaffenhofen; Brigitte Maier-Brandt, MD, Stein; Selma Maierhofer, MD, Adlkofen; Soyoun Maisch, MD, München; Sibylle Manstein-Heueis, MD, Icking; Birgit Marquardt, MD, Oy-Mittelberg; Stefanie Marr, MD, Ingolstadt; Martin/Schilder, MD, Schrobenhausen; Helmuth Mauer, MD, Lichtenberg; Monika Maurus, MD, Memmingen; Peter Mayr, MD, Memmingen; Ernst Georg Mayr, MD, Murnau; Jeanette Mederer, MD, Laaber; Barbara Meiler, MD, Grafrath; Udo Meißner, MD, Bamberg; Norbert Meister, MD, Bindlach; Juan-Carlos Menendez-Castro, MD, Bad Kissingen; Steffi Menzel, MD, München; Susanne Merget, MD, Germering; Manfred Meßmer, MD, Augsburg; Jürgen Messner, MD, Lohr; Roland Metzner, MD, Würzburg; Petra Sibyl Meyer, MD, Augsburg; Oliver Michael, MD, Murnau; Wolfgang Moll, MD, Reichertshausen; Wolfgang Moser, MD, Schondorf; Kathrin Mothes, MD, Schwandorf; Miriam Mrach, MD, München; Sabine Mühlbauer, MD, München; Udo Mulitze, MD, Mainburg; Ulrich Müller, MD, Gauting; Daniel Müller, MD, Amberg; Herbert Müller, MD, Kempten; Müller/Wilken/Schürmann, MD, Naila; Müller-Ntokas, MD, Sulzbach-Rosenberg; Patrick Muzzolini, MD, Kulmbach; Sabine Nagel, MD, Neustadt/Do.; Dieter Nagel, MD, Freyung; Karsten Naumann, MD, Erlangen; Nicole Nellen-Hellmuth, MD, Würzburg; Klaus Neumann, MD, Höhenkirchen-Siegertsbrunn; Christiane Neumeir, MD, Königsbrunn; Hans-Peter Niedermeier, MD, Erding; Maria Nitsch, MD, Wolnzach; Maike Nordmann, MD, Fürstenfeldbruck; Jochen Noss, MD, München; Andreas Nowack, MD, Siegsdorf; Barbara Nowitzky, MD, Peißenberg; Thomas Nowotny, MD, Stephanskirchen; Marcus Oberkötter, MD, Hohenwarth; Stefan Oberle, MD, Höchstadt; Jutta Oberndorfer, MD, Schonungen; Barbara Oberneder, MD, Gräfelfing; Christine Olbrich, MD, Augsburg; Angela Olze, MD, München; Dilek Önaldi-Gildein, MD, München; Osang/Pudenz, MD, München; Pannenbecker/Hein, MD, Gerbrunn; Nicola Pape-Feußner, MD, Berg;

Parhofer/Wiß, MD, Dachau; Michael Pätzold, MD, Marktoberdorf; Pauli/von Hornstein, MD, Olching; Michaela Pausenberger, MD, Lauf a.d. Pegnitz; Matthias Peisler, MD, Forchheim; Sonja Pemsl, MD, Nürnberg; Josivania Maria Pereira da Silva, MD, Hof; Wolfgang Peter, MD, Zeitlarn; Christine Pfaller, MD, Frasdorf; Angela Pfeffer, MD, Regen; Dominik Pfister, MD, Obing; Bergit Pfleger, MD, Neuendettelsau; Angelika Plank-Wihr, MD, Kallmünz; Stefan Platzer, MD, Osterhofen; Bernhard Pleyer, MD, Rückersdorf; Annette Pohl-Koppe, MD, München; Polster/Kainzinger, MD, Dingolfing; Pontz/Wimmer, MD, Passau; Martin Poschenrieder, MD, Vohenstrauß; Poschenrieder/Korzenietz, MD, Vohenstrauß; Manfred Praun, MD, Gilching; Constanze/Wolfgang Preis, MD, Bischberg; Preissler/Tomas/Theil, MD, Gersthofen; Verena Printz, MD, Fürstenfeldbruck; Prinz/Sedlacek, MD, Burgau; Anke Prothmann, MD, Gröbenzell; Barbara Przyklenk, MD, München; Georg Puchner, MD, Regensburg; Stefan Putz, MD, Iggensbach; Norbert Raabe, MD, Weißenburg; Gertraud Raber-Webhofer, MD, München; Wolfgang Rahner, MD, Friesenried; Marco Ramella Pezza, MD, Meitingen; Rampf/Lautner, MD, Freising; Jürgen Ratay, MD, Freising; Jürgen Ratay, MD, Hallbergmoos; Heribert Rauch, MD, Hengersberg; Angela Rausch, MD, Traunstein; Karla Rauschning-Sikora, MD, Mainaschaff; Christiane Razeghi, MD, Miesbach; Angela Reber, MD, Pfaffenhofen; Anja Regenfus, MD, Nürnberg; Brigitte Reichstein, MD, Ingolstadt; Evelyn Reineke, MD, Karlshuld; Tobias Reinhardt, MD, Feuchtwangen; Gertrud Reiter, MD, Neusäß; Reitz/Pawlak, MD, Rosenheim; Christian Renner, MD, Deggendorf; Renz/Lauterbach, MD, Weiden; Tobias Reploh, MD, Bad Tölz; Reschke/Exner, MD, Kaufbeuren; Gert Reutter-Simon, MD, Nürnberg; Richter/Mameghanian, MD, München; Bernhard Riedl, MD, Wenzenbach; Mustafa Rihawi, MD, Kronach; Norbert Rindle, MD, Königsbrunn; Ringert-Esmaeili/Winters, MD, Alzenau; Carsten Rinker, MD, München; Kristina Risse, MD, Ingolstadt; Isabel Ritz, MD, München; Fritz Robitzsch, MD, Bodenmais; Gisela Rodorff, MD, Ichenhausen; Ingrid Rohland, MD, Erding; Herbert Rohr, MD, Fürstenfeldbruck, Alexander Roithmaier, MD, München; Maria Römmelt, MD, Schwanfeld; Rosam/Wintermeyer, MD, München; Rosenthal/Lütkemeyer, MD, Unterschleißheim; Walter Rößler, MD, Weiden; Rothascher/Shane/Beierlein, MD, Schnaittach; Anne Katrin Rothe, MD, München; Christian Rudolf, MD, Bad Neustadt; Sebastian Rühl, MD, Nürnberg; Irene Rühlemann, MD, München; Ramon Rümler, MD, Dachau; Paulina Ruppel, MD, Hof; Rüßmann/Rüßmann-Tzilini, MD, München, Sack/Glotzbach-Sack/Kozuschek, MD, Würzburg; Renate Sacker, MD, München; Sailer/Kosoko, MD, Vilsbiburg; Sirin Salik, MD, Nürnberg; Schaaff/Höpner, MD, Eckental-Eschenau; Gabriele Schall, MD, Bad Wörishofen; Sigrid Scharrer-Bothner, MD, Nördlingen; Hans-Ulrich Schatz, MD, München; Carolus Schenke, MD, Neustadt a.d. Aisch; Barbara Scherer, MD, München; Scheuerer/Eidenschink, MD, München; Holger Schiffmann, MD, Feucht; Birgit Schilling, MD, Passau; Ute Schindler, MD, Kelheim; Ralf Schipper, MD, Monheim; Lydia Schlak, MD, Sulzbach-Rosenberg; Josef Schleibinger, MD, Pfaffenhofen; Ewald Schlereth, MD, Oberthulba; Andreas Schlossbauer, MD, Bad Kissingen; Stefan Schmid, MD, Riedenburg; Ludwig Schmid, MD, München; Schmid-Seibold/Leipold, MD, Regensburg; Stefan Schmidt, MD, Rosenheim; Volker Schmidt, MD, Kempten; Wolfram Schmidt, MD, Bad Königshofen; Dorothea Schmidt-Colberg, MD, Erlangen; Annelies Schmölz-Hefele, MD, Kaufbeuren; Stephan Schneider, MD, Schweinfurt; Ulrich Schneider, MD, Biberbach; Klaus Schneider, MD, Hohenthann; Schnell/Nillies, MD, Coburg; Scholz/Scholz-Kühn, MD, Deggendorf; Monika Schömig-Spingler, MD, Würzburg; Patric Schön, MD, Oberschleißheim; Volker Schönecker, MD, Kaufering; Martin Schöniger, MD, Weilheim; Roland Schöniger, MD, Rotthalmünster; Philipp Schoof, MD, München; Eduard Schreglmann, MD,

Kirchenthumbach; Cristian Schröter, MD, München; Franziskus Schuhböck, MD, Kirchheim; Carola Schum, MD, Parsberg; Brigitte Schwager, MD, Eckental; Kirsten Schwarz, MD, Regenstauf; Axel Schweighart, MD, München; Christine Schweikl, MD, Eggenfelden; Rosemarie Schwertner, MD, Germering; Seemann/Bosch/Loibl-Keimler, MD, Deggendorf; Seidel/Hopf/Marr/Reichstein, MD, Ingolstadt; Monika Seidt, MD, München; Seiler/Pletl-Maar/Gaßmann, MD, Erlangen; Horst Seithe, MD, Nürnberg; Sellerer/Polanetz, MD, München; Marko Senjor, MD, Wasserburg am Inn; Ursula Shane, MD, Lauf a. d. Pegnitz; Kathrin Simmel, MD, Holzkirchen; Berta Simon, MD, Zwiesel; Marina Sindichakis, MD, Traunstein; Manfred Singer, MD, Forchheim; Cornelia Singer, MD, Wessling; Simon Sitter, MD, Bechhofen; Claudia Söhngen, MD, Traunreut; Sommer/Domes, MD, Karlsfeld; Bernhard Sondermaier, MD, Ampfing; Wilfried Späth, MD, Weißenhorn; Michael Sperlich, MD, Ampfing; Spieß/Robert, MD, Neuburg; Spooren/Incekara, MD, Senden; Sprich, MD, Biessenhofen; Johannes Stadler, MD, Gerolzhofen; Helmut Stadler, MD, Straubing; Wilhelm Stechl, MD, Raubling; Wolfgang Steck, MD, Immenstadt; Christa Steenpaß, MD, Aschaffenburg; Marko Stein, MD, München; Wolfgang Steinbach, MD, Scheßlitz; Steinberg/Hauser/Klötzer, MD, Mittenwald; Steinberg/Wiese/Fulda-Rohlfs/Hauser, MD, Garmisch-Partenkirchen; Constanze Steinborn, MD, Sauerlach; Andreas Steiner, MD, Landsberg; Bernd Steinkirchner, MD, Neufahrn; Paul Steinocher, MD, Augsburg; Stefan Stellwag, MD, München; Frank Steppberger, MD, Oberasbach; Stern/Fakler, MD, Gauting; Stettner-Gloning/Saadi, MD, München; Anke Steuerer, MD, Augsburg; Stöckhert/Meyer, MD, Fürth; Christoph Stöhr-Sökefeld, MD, Neubiberg; Stratmann/Ensslen, MD, Holzkirchen; Dominik Stricker, MD, Lappersdorf; Annette Strobel, MD, Erlangen; Michael Strobelt, MD, Bruckmühl; Gesine Strohbach, MD, Nürnberg; Thomas Sturm, MD, Fürstenfeldbruck; Raphael Sturm, MD, Affing; Ursula Tchassem Tagny, MD, Neuburg a.d. Donau; Harald Tegtmeyer-Metzdorf, MD, Lindau; Vita Teichler, MD, München; Hans-Georg Terbrack, MD, Abensberg; Theurer/Steidle, MD, Traunstein; Claus-Dieter Thiem, MD, Salzweg; Barbara Thumann, MD, Dietfurt; Uta Tielker, MD, Eichenau; Timnik/Reiter, MD, Neusäß; Michael Torbahn, MD, Nürnberg; Regina Trammer, MD, Planegg; German Tretter, MD, Altenstdt/WN; Barbara Tröger, MD, Rain; Burkhard Trusen, MD, Bamberg; Martin Ulbrich, MD, Otterfing; Stephan Unkelbach, MD, Volkach; Reiner Valentin, MD, Grafing; Michael Veh-Hölzlein, MD, Fürth; Veh-Hölzlein/Richter, MD, München; Veh-Hölzlein/Richter, MD, Fürth; Erhard Vetter, MD, Schönthal; Oliver Viethen, MD, Traunstein; Michael Vogel, MD, München; Hartmut Vogel, MD, Roth; Christian J. Voigt, MD, Stadtbergen; Victor von Arnim, MD, Roding; Eleonore von der Schulenburg, MD, München; Heike von Pigenot, MD, Ottobrunn; Katharina von Saurma, MD, München; Patrik von Schoenaich, MD, Neusäss; Olaf Vorbeck, MD, Moosburg; Christoph Wachenfeld-Wahl, MD, Augsburg; Roland Wagner, MD, Nittendorf; Gabriele Wagner, MD, Haag an der Amper; Alexander Wagner, MD, Kitzingen; Roland Wagner, MD, Regensburg; Hans Josef Wainryb, MD, Jesenwang; Edgar Waldmann, MD, Bamberg; Karin Waldmann, MD, Memmelsdorf; Heike Walessa, MD, Gars am Inn; Irene Walser, MD, Wolnzach; Wawatschek/Stroh, MD, Diedorf; Helke Weber, MD, Holzkirchen; Annette Weber-Pöhlmann, MD, Selb; Claudia Wegener, MD, München; Stefan Weickardt, MD, Straubing; Josef Weidinger, MD, Nabburg; Johannes Weigel, MD, Augsburg; Weigmann-Popp/Ege-Mirzai, MD, Bamberg; Philipp Weinert, MD, Obergünzburg; Benedikt Weiß, MD, Bad Kötzting; Michael Weiß, MD, Kempten; Anika Wels, MD, Stegaurach; Mathias Wendeborn, MD, München; Wenzel/Then, MD, Lichtenfels; Joachim Westphal, MD, Taufkirchen/Vils; Oliver Wiese, MD, Landsberg am Lech; Wiesheu/Buckl/Paul/Popp, MD, Landshut; Wiessner-Straßer/Eisenhut, MD, München; Anke

Wilberg, MD, Schwarzenbach am Wald; Wilken/Schürmann/Steigerwald, MD, Hof; Karolin Wilman, MD, Friedberg; Jochen Winkler, MD, Schwabmünchen; Tobias Winter, MD, Teisendorf; Wirth/Kleinhenz/Streit, MD, Brückenau; Christian Wittmann, MD, Fürth; Hermann Wittrock, MD, Mering; Anton Wohlfart, MD, Ehekirchen; Daniela Wohlmann, MD, Garmisch-Partenkirchen; Paul Wolf, MD, Erlangen; Wölfel/Schatz, MD, Bayreuth; Lothar Wurzer, MD, Oberstdorf; Christof Zang, MD, Haibach; Claudia Zapillon, MD, München; Alexander Zeiss, MD, München; Stefan Zeller, MD, Kempten; Roland Zeller, MD, Aschaffenburg; Stephan Zieher, MD, Marktheidenfeld; Ziemer/Herineanu, MD, Nürnberg; Mathias Zimmer, MD, Coburg; Thomas Zimmermann, MD, Hirschaid; Thomas Zimmermann, MD, Burgebrach; Lothar Zimmermann, MD, Aichach; Stefan Zink, MD, Nürnberg; Dorothea Zitzmann, MD, Burgheim; Andreas Zurmühl, MD, Penzberg; Kristin Zwenzner, MD, Bayreuth; Kristin Zwenzner, MD, Neudrossenfeld.

Psychological consulting (Hannover Medical School, Hannover, Germany)

Developing and performing the psychological assessment analysis: Karin Lange, PhD, Iris Müller, PhD, Rosanna Rodriguez, BSc, Mirjam Bassy, MD.