



Curriculum Vitae

Dr. Lucy Bayer-Oglesby

Professional Activities at the FHNW, Olten

Research interests cover health systems research, social inequalities, effects research, clinical social work, measuring quality of life, early detection and intervention, environmental health

Recent research activities include research on knowledge and attitudes among medical professionals regarding substance abuse of youth, effects research in inpatient addiction treatment with cooperative development of an instrument on quality of life and evaluation of the pilot-project GRÜZ on cross-border collaboration of health care service in the cross-border region Basel-Lörrach

Teaching activities on bachelor and master level (e.g. research workshops, introduction to social and evaluation research, course on quantitative data analysis)

Key Competences

Quantitative and qualitative surveys, including e-surveys and expert interviews, particularly in medical contexts

Profound knowledge of the Swiss Health Statistics (e.g. Medical Statistics of the Hospital, Long Term Care Statistics, SPITEX statistics, Swiss Health Survey)

Epidemiology and quantitative data analysis (e.g. multivariate regression modelling)

Professional Experience

- | | |
|------------|--|
| since 2012 | Scientific collaborator, Institute for Social Work and Health, FHNW School of Social Work |
| 2005–2012 | Scientific project leader, Swiss Health Observatory (Obsan), Swiss Federal Statistical Office, Neuchâtel: Competence areas demography and demand / supply of health care, Analysis of Swiss Health Statistics, in particular Medical Statistics of the Hospital (MS) and Long Term Care Statistics (SOMED) |
| 2002–2005 | Senior epidemiologist, Institute of Social and Preventive Medicine, University of Basel: Head of Exposure Assessment Unit, member of SAPALDIA 2 Team (Swiss Cohort Study on Air Pollution and Lung Diseases) |

2002	Short term professional, WHO European Centre for Environment and Health (ECEH), Bonn, Germany
2000–2001	Post Doc, Institute of Social and Preventive Medicine, University of Basel
1998–2000	PhD Student, Swiss Federal Institute of Technology in Zürich (ETHZ)
1996–2000	Research Assistant, Institute of Social and Preventive Medicine, University of Basel: Responsible for field work of the Swiss part of the EU-Project EXPOLIS (Air Pollution Exposure Distribution within Adult Urban Populations)
1984–1988	Medical Technical Assistant, Clinic St. Anna, Lucerne and Swiss Clinic for Epilepsy, Zürich

Higher education and qualifications

1998–2000	PhD in Environmental Epidemiology, Swiss Federal Institute of Technology in Zürich (ETHZ)
2006–2008	Specialist Training in Statistics, Swiss Federal Statistical Office, Neuchâtel
1999	Epidemiology Summer Programme, Epidemiology Research Institute, Waltham, MA
1996-1999	Courses in Biostatistics and Environmental Epidemiology, Interuniversity Program of Public Health, Universities of Basel, Berne and Zürich
1998	Occupational and Environmental Epidemiology, Principles of Exposure Assessment, Wageningen, The Netherlands,
1990-1995	MSc in Environmental Sciences, Swiss Federal Institute of Technology in Zürich (ETHZ)
1981-1984	Diploma as Medical Technical Assistant, Clinic St. Anna, Lucerne

Memberships

Schweizerische Gesellschaft für Gesundheitspolitik

ETH Alumni Vereinigung

Fachfrauen Umwelt

Projects since 2012

Social Inequalities and Hospitalisations (SIHOS), Projekt des Nationalen Forschungsprogramms NFP 74 «Versorgungsforschung» (2017 - 2020)

Literaturrecherche über die Versorgung am Lebensende (End of Life) in der Schweiz zum Nationalen Forschungsprogramm NFP 67 «Lebensende» (2016 - 2017)

Mainstreaming Migration der Massnahmen auf Bundesebene der Strategien NCD und Sucht, Auftrag BAG, (2016 - 2017)

Inventar zu Interventionen psychische Gesundheit - Beispiele guter Praxis, Auftrag Stiftung Gesundheitsförderung Schweiz (2015 - 2016)

Evaluation der Phase II des Pilotprojektes GRÜZ: Verfassen des Schlussberichts, Auftrag Schweizerisches Gesundheitsobservatorium Obsan (2015)

Substanzkonsum bei Kindern und Jugendlichen bis 16 Jahre, Auftrag BAG (2012 - 2015)

Innovative Methoden zur Wirkungsforschung in der stationären Suchttherapie - Messung von Veränderungen der Lebensqualität, Pilotstudie, Förderfonds FHNW (2013 - 2014)

Publications

Stand 08.01.2016

BOOKS / BOOK CHAPTERS

Zumbrunn, A. und **Bayer-Oglesby, L.** (2015): Pflege durch Angehörige. In: Oggier, W. (Hg.). Gesundheitswesen Schweiz 2015-2017. Bern: Hans Huber.

Höpflinger, F., **Bayer-Oglesby, L.** und Zumbrunn, A. (2011): Pflegebedürftigkeit und Langzeitpflege im Alter. Aktualisierte Szenarien für die Schweiz. Bern: Verlag Hans Huber.

REPORTS

Bayer-Oglesby, L. (2015): Grenzüberschreitende Zusammenarbeit Deutschland-Schweiz im Gesundheitswesen II. Evaluation des Pilotprojektes in der Grenzregion Basel-Stadt / Basel-Landschaft / Landkreis Lörrach (Phase II). Neuchâtel: Schweizerisches Gesundheitsobservatorium (OBSAN).

Bayer-Oglesby, L., Nieuwenboom, J.W., Frey, P. and Schmid, H. (2015): Substanzkonsum bei Kindern und Jugendlichen unter 16 Jahren: Einschätzungen und Vorgehensweisen von medizinischen Fachpersonen. Schlussbericht BAG. Olten/Basel: Hochschule für Soziale Arbeit FHNW.

Bayer-Oglesby, L. (2014): Bericht Förderfonds HSA FHNW - Innovative Methoden zur Wirkungsforschung in der stationären Suchttherapie - Messung von Veränderungen der Lebensqualität. Olten/Basel: Hochschule für Soziale Arbeit FHNW.

Bayer-Oglesby, L. and Höpflinger, F. (2010): Statistische Grundlagen zur regionalen Pflegeheimplanung - Methodik und kantonale Kennzahlen (47). Neuchâtel: Schweizerisches Gesundheitsobservatorium.

Zumbrunn, A., **Bayer-Oglesby, L.** and Roth, M. (2010): Grenzüberschreitende Zusammenarbeit Deutschland - Schweiz im Gesundheitswesen (Phase 1) (Obsan Bericht 37). Neuchâtel: Schweizerisches Gesundheitsobservatorium

PEER-REVIEWED JOURNALS - FIRST AUTHOR:

- Bayer-Oglesby, L., Schindler, C., Hazenkamp-von Arx, M.E., Braun-Fahrlander, C., Keidel, D., Rapp, R., et al. (2006): Living near main streets and respiratory symptoms in adults: the Swiss Cohort Study on Air Pollution and Lung Diseases in Adults. *Am J Epidemiol* 164(12): 1190-1198. 10.1093/aje/kwj338.
- Bayer-Oglesby, L., Grize, L., Gassner, M., Takken-Sahli, K., Sennhauser, F.H., Neu, U., et al. (2005): Decline of ambient air pollution levels and improved respiratory health in Swiss children. *Environ Health Perspect* 113(11): 1632-1637.
- Oglesby, L., Künzli, N., Monn, C., Schindler, C., Ackermann-Liebrich, U. and Leuenberger, P. (2000): Validity of annoyance scores for estimation of long term air pollution exposure in epidemiologic studies: the Swiss Study on Air Pollution and Lung Diseases in Adults (SAPALDIA). *Am J Epidemiol* 152(1): 75-83.
- Oglesby, L., Künzli, N., Rössli, M., Braun-Fahrlander, C., Mathys, P., Stern, W., et al. (2000): Validity of ambient levels of fine particles as surrogate for personal exposure to outdoor air pollution--results of the European EXPOLIS-EAS Study (Swiss Center Basel). *J Air Waste Manag Assoc* 50(7): 1251-1261.
- Oglesby, L., Rotko, T., Krutli, P., Boudet, C., Kruize, H., Nen, M.J., et al. (2000): Personal exposure assessment studies may suffer from exposure-relevant selection bias. *J Expo Anal Environ Epidemiol* 10(3): 251-266.

PEER-REVIEWED JOURNAL - CO-AUTHOR

- Liu, L.J.S., Tsai, M.Y., Keidel, D., Gemperli, A., Ineichen, A., Hazenkamp-von Arx, M., **Bayer-Oglesby, L.**, Rochat, T., Kunzli, N., Ackermann-Liebrich, U., Straehl, P., Schwartz, J. and Schindler, C. (2012): Long-term exposure models for traffic related NO₂ across geographically diverse areas over separate years. *Atmospheric Environment* 46: 460-471. 10.1016/j.atmosenv.2011.09.021.
- Schindler, C., Keidel, D., Gerbase, M.W., Zemp, E., Bettschart, R., Brandli, O., Brutsche, M.H., Burdet, L., Karrer, W., Knopfli, B., Pons, M., Rapp, R., **Bayer-Oglesby, L.**, Kunzli, N., Schwartz, J., Liu, L.J., Ackermann-Liebrich, U. and Rochat, T. (2009): Improvements in PM₁₀ exposure and reduced rates of respiratory symptoms in a cohort of Swiss adults (SAPALDIA). *Am J Respir Crit Care Med* 179(7): 579-587. 10.1164/rccm.200803-388OC.
- Downs, S.H., Schindler, C., Liu, L.J., Keidel, D., **Bayer-Oglesby, L.**, Brutsche, M.H., et al. (2007): Reduced exposure to PM₁₀ and attenuated age-related decline in lung function. *N Engl J Med* 357(23): 2338-2347. 10.1056/NEJMoa073625.
- Jacquemin, B., Sunyer, J., Forsberg, B., Gotschi, T., **Bayer-Oglesby, L.**, Ackermann-Liebrich, U., et al. (2007): Annoyance due to air pollution in Europe. *Int J Epidemiol* 36(4): 809-820. 10.1093/ije/dym042.
- Liu, L.J., Curjuric, I., Keidel, D., Heldstab, J., Kunzli, N., **Bayer-Oglesby, L.**, et al. (2007): Characterization of source-specific air pollution exposure for a large population-based Swiss cohort (SAPALDIA). *Environ Health Perspect* 115(11): 1638-1645. 10.1289/ehp.10177.

- Schweizer, C., Edwards, R.D., **Bayer-Oglesby, L.**, Gauderman, W.J., Ilacqua, V., Jantunen, M.J., et al. (2007): Indoor time-microenvironment-activity patterns in seven regions of Europe. *J Expo Sci Environ Epidemiol* 17(2): 170-181. 10.1038/sj.jes.7500490.
- Liu, L.J.S., Corjuric, I., Hazenkamp, M., Keidel, D., **Bayer-Oglesby, L.**, Ackermann-Liebrich, U., et al. (2006): Long-term source-specific air pollution exposure characterization for a large population-based Swiss cohort (SAPALDIA). *Epidemiology* 17(6): S52-S53.
- Edwards, R.D., Schweizer, C., Ilacqua, V., Lai, H.K., Jantunen, M., **Bayer-Oglesby, L.**, et al. (2006): Time-activity relationships to VOC personal exposure factors. *Atmospheric Environment* 40(29): 5685-5700. 10.1016/j.atmosenv.2006.04.057.
- Lai, H.K., **Bayer-Oglesby, L.**, Colville, R., Gotschi, T., Jantunen, M.J., Kunzli, N., et al. (2006): Determinants of indoor air concentrations of PM_{2.5}, black smoke and NO₂ in six European cities (EXPOLIS study). *Atmospheric Environment* 40(7): 1299-1313. 10.1016/j.atmosenv.2005.10.030.
- Ackermann-Liebrich, U., Kuna-Dibbert, B., Probst-Hensch, N.M., Schindler, C., Felber Dietrich, D., Stutz, E.Z., **Bayer-Oglesby, L.**, Baum, F., Brandli, O., Brutsche, M., Downs, S.H., Keidel, D., Gerbase, M.W., Imboden, M., Keller, R., Knopfli, B., Kunzli, N., Nicod, L., Pons, M., Staedele, P., Tschopp, J.M., Zellweger, J.P. and Leuenberger, P. (2005): Follow-up of the Swiss Cohort Study on Air Pollution and Lung Diseases in Adults (SAPALDIA 2) 1991-2003: methods and characterization of participants. *Soz Präventivmed* 50(4): 245-263.
- Edwards, R.D., Schweizer, C., Jantunen, M., Lai, H.K., **Bayer-Oglesby, L.**, Katsouyanni, K., et al. (2005): Personal exposures to VOC in the upper end of the distribution - relationships to indoor, outdoor and workplace concentrations. *Atmospheric Environment* 39(12): 2299-2307. 10.1016/j.atmosenv.2004.12.026.
- Hazenkamp-von Arx, M.E., Götschi Fellmann, T., **Oglesby, L.**, Ackermann-Liebrich, U., Gislason, T., Heinrich, J., et al. (2003): PM_{2.5} assessment in 21 European study centers of ECRHS II: Method and first winter results. *J Air Waste Manag Assoc* 53(5): 617-628.
- Röösli, M., Kunzli, N., Schindler, C., Theis, G., **Oglesby, L.**, Mathys, P., et al. (2003): Single pollutant versus surrogate measure approaches: do single pollutant risk assessments underestimate the impact of air pollution on lung cancer risk? *J Occup Environ Med* 45(7): 715-723. 10.1097/01.jom.0000079082.33909.c2.
- Götschi, T., **Oglesby, L.**, Mathys, P., Monn, C., Manalis, N., Koistinen, K., et al. (2002): Comparison of black smoke and PM_{2.5} levels in indoor and outdoor environments of four European cities. *Environ Sci Technol* 36(6): 1191-1197.
- Kousa, A., **Oglesby, L.**, Koistinen, K., Kunzli, N. and Jantunen, M. (2002): Exposure chain of urban air PM_{2.5} - associations between ambient fixed site, residential outdoor, indoor, workplace and personal exposures in four European cities in the EXPOLIS-study. *Atmospheric Environment* 36(18): 3031-3039. 10.1016/s1352-2310(02)00232-7.
- Rotko, T., **Oglesby, L.**, Kunzli, N., Carrer, P., Nieuwenhuijsen, M.J. and Jantunen, M. (2002): Determinants of perceived air pollution annoyance and association between annoyance scores and air pollution (PM_{2.5}, NO₂) concentrations in the European EXPOLIS study. *Atmospheric Environment* 36(29): 4593-4602. 10.1016/s1352-2310(02)00465-x.

- Jurvelin, J., Edwards, R., Saarela, K., Laine-Ylijoki, J., De Bortoli, M., **Oglesby, L.**, et al. (2001): Evaluation of VOC measurements in the EXPOLIS study. Air Pollution Exposure Distributions within Adult Urban Populations in Europe. J Environ Monit 3(1): 159-165.
- Kousa, A., Monn, C., Rotko, T., Alm, S., **Oglesby, L.** and Jantunen, M.J. (2001): Personal exposures to NO₂ in the EXPOLIS-study: relation to residential indoor, outdoor and workplace concentrations in Basel, Helsinki and Prague. Atmospheric Environment 35(20): 3405-3412. 10.1016/s1352-2310(01)00131-5.
- Röösli, M., Theis, G., Künzli, N., Staehelin, J., Mathys, P., **Oglesby, L.**, et al. (2001): Temporal and spatial variation of the chemical composition of PM₁₀ at urban and rural sites in the Basel area, Switzerland. Atmospheric Environment 35(21): 3701-3713. 10.1016/s1352-2310(00)00511-2.
- Röösli, M., Braun-Fahrlander, C., Künzli, N., **Oglesby, L.**, Theis, G., Camenzind, M., et al. (2000): Spatial variability of different fractions of particulate matter within an urban environment and between urban and rural sites. J Air Waste Manag Assoc 50(7): 1115-1124.
- Rotko, T., **Oglesby, L.**, Künzli, N. and Jantunen, M.J. (2000): Population sampling in European air pollution exposure study, EXPOLIS: comparisons between the cities and representativeness of the samples. J Expo Anal Environ Epidemiol 10(4): 355-364.
- Koistinen, K.J., Kousa, A., Tenhola, V., Hanninen, O., Jantunen, M.J., **Oglesby, L.**, et al. (1999): Fine particle (PM_{2.5}) measurement methodology, quality assurance procedures, and pilot results of the EXPOLIS study. Journal of the Air & Waste Management Association 49(10): 1212-1220.

JOURNAL ARTICLES WITHOUT PEER-REVIEW

- Bayer-Oglesby, L. and Schmid, H. (2015): Innovative Methoden zur Wirkungsforschung in der stationären Suchttherapie – Messung von Veränderungen der Lebensqualität. Soziale Innovation. Forschung und Entwicklung der Hochschule für Soziale Arbeit FHNW(2015): 88-93.
- Bayer-Oglesby, L. and Schmid, H. (2014): Eintrittsprofile in der ambulanten und stationären Suchthilfe. SuchtMagazin(5): 24-27.

ORAL PRESENTATIONS / POSTERS / CONFERENCE PROCEEDINGS

- Bayer-Oglesby, L., Schmid, H. and Hellmüller, U. (2016): Innovative Methods of Effects Research in Inpatient Addiction Treatment - Measuring Changes of Quality of Life: 6th European Conference for Social Work Research. Lisbon.
- Bayer-Oglesby, L. and Schmid, H. (2014): Innovative Methoden zur Wirkungsforschung in der stationären Suchttherapie. Messung von Veränderungen der Lebensqualität: Winter School 2014. Hochschule für Soziale Arbeit, FHNW, Olten.
- Bayer-Oglesby, L. and Schmid, H. (2013): Innovative Methoden zur Wirkungsforschung in der stationären Suchttherapie. Messung von Veränderungen der Lebensqualität: 5. Fachtagung Klinische Sozialarbeit. Olten.

- Haug, S., Schmid, H. and **Bayer-Oglesby, L.** (2013): Text messaging to support smoking cessation in young people: A cluster randomised controlled trial. *Psychology & Health* 28(sup1): 103.
- Bayer-Oglesby, L. (2011): Herausforderung Langzeitpflege Symposium. 10 Jahre Schweizerisches Gesundheitsobservatorium Obsan. Bern, Zentrum Paul Klee.
- Bayer-Oglesby, L. (2009): Statistische Grundlagen zur regionalen Planung der Langzeitpflege. Unterstützung von Kantonen bei der Pflegeheimplanung: "Pflegebedürftig" in der "Gesundheitsgesellschaft". Halle (Saale), D.
- Jacquemin, B., Sunyer, J., Ackermann-Liebrich, U., de Marco, R., Forsberg, B., Heinrich, J., Kunz-Dibbert, B., **Oglesby, L.**, Toren, K. and Kuenzli, N. (2004): Annoyance due to air pollution in Europe: International Society for Environmental Epidemiology (ISEE) Annual Conference. New York University (NYU), USA Kimmel Conference Center on WOS:000222399800100. 10.1097/00001648-200407000-00099.
- Oglesby, L., Rösli, M., Waser, M., Neu, U., Grize, L. and Braun-Fahrlander, C. (2002): Repeated cross-sectional health effects analysis in children with different indicators of ambient air pollution (PM10, PM2.5, NO2) - Results of the SCARPOL study: International Society for Environmental Epidemiology (ISEE) Annual Conference. Vancouver, Canada. WOS:000176378600802.
- Hazenkamp-von Arx, M.E., **Oglesby, L.**, Ackermann-Liebrich, U., Sunyer, J., Heinrich, J., Poli, A., et al. (2002): PM-2.5 assessment at 21 study centres of ECHRS II (European Community respiratory health survey II): International Society for Environmental Epidemiology (ISEE) Annual Conference. Vancouver, Canada. WOS:000176378600374.
- Krzyzanowski, M., Cohen, A.J., Katsouyanni, K., Koutrakis, P. and **Oglesby, L.** (2002): Exposure assessment in studies on the chronic effects of long-term exposure to air pollution: International Society for Environmental Epidemiology (ISEE) Annual Conference. Vancouver, Canada. WOS:000176378600125.
- Oglesby, L., Götschi, T., Mathys, P., Koistinen, K., Polanska, L., Jantunen, M., et al. (2001): Black smoke - A relevant indicator of human exposure to outdoor air pollution. Results of the European EXPOLIS (air pollution exposure distribution within adult urban populations in Europe) study: International Society for Environmental Epidemiology (ISEE) Annual Conference. Garmisch Partenkirchen, Germany. WOS:000169334500123.
- Hazenkamp-von Arx, M.E., Naef, R., **Oglesby, L.**, Ackermann-Liebrich, U., Weniger, H., Sunyer, J., et al. (2001): PM2.5 assessment at 24 study centres (European Community Respiratory Health Survey II): International Society for Environmental Epidemiology (ISEE) Annual Conference. Garmisch-Partenkirchen, Germany. WOS:000169334500207.
- Mathys, P., Stern, W.B., **Oglesby, L.**, Koistinen, K., Braun-Fahrlander, C., Ackermann-Liebrich, U., et al. (2001): Chemical fingerprinting of PM2.5 sampled in five European cities: International Society for Environmental Epidemiology (ISEE) Annual Conference. Garmisch Partenkirchen, Germany. WOS:000169334500129.
- Oglesby, L., Mathys, P., Rösli, M., Braun-Fahrlander, C., Jantunen, M., Stern, W., et al. (2000): Ambient levels of fine particles (PM2.5) are valid proxies of personal exposure to ambient

- air pollution.: PM2000: Particulate Matter and Health - The Scientific Basis for Regulatory Decision-making Specialty Conference & Exhibition. Charleston, SC, USA.
- Oglesby, L., Hänninen, O., Rotko, T., Jantunen, M., Zmirou, D., Lebret, E., et al. (2000): Time-Microenvironment-Activity patterns in six European cities: Results of the EXPOLIS study. : International Society of Exposure Analysis (ISEA) Annual meeting. Monterey, CA, USA.
- Röösli, M., Künzli, N., **Oglesby, L.**, Mathys, P., Theis, G., Camenzind, M., et al. (2000): Assessment of cancer risk from air pollution in the region of Basel, Switzerland: International Society for Environmental Epidemiology (ISEE) Annual Conference. Buffalo, New York, USA. WOS:000087713600074.
- Oglesby, L., Mathys, P., Braun-Fahrlander, C. and Künzli, N. (1999): How personal is personal exposure to fine particles (PM2.5)? : Annual ISEE/ISEA Conference. Athens, Greece. WOS:000080987100120.
- Oglesby, L., Künzli, N., Jantunen, M. and team, E. (1999): Fine particles (PM2.5): Personal and microenvironmental exposures in Europe: EXPOLIS seminar. Musé d'Histoire Naturelle, Paris.
- Mathys, P., **Oglesby, L.**, Stern, W.B., Braun-Fahrlander, C., Jantunen, M. and Künzli, N. (1999): Traffic related PM2.5 efficiently penetrate from outdoor to indoor. (Elemental analyses study eas-EXPOLIS): Annual ISEE/ISEA Conference. Athens, Greece. WOS:000080987100114.
- Oglesby, L. (1998): Air pollution exposure assessment: Shall we ask or measure? : Annual ISEE/ISEA Conference. Boston MA, USA.
- Oglesby, L., Krütli, P., Künzli, N. and Jantunen, M. (1998): Better air - better participation? Evaluation of selection bias in the European Air Pollution Exposure Study EXPOLIS: Annual ISEE/ISEA Conference. Boston MA, USA, .
- Oglesby, L., Künzli, N., Braun-Fahrlander, C. and Camenzind, M. (1997): Variability of PM2.5 - exposure within the city of Basel: Personal and microenvironmental measurements vs fixed-site concentrations: First results of the EXPOLIS- and BRISKA studies: Valamo Conference on Environmental Health and Risk Assessment - Health Risks of Inhaled Particles. Valamo Monastery, Heinävesi, Finland.
- Oglesby, L., Künzli, N., Braun-Fahrlander, C., Monn, C. and Jantunen, M. (1997): Personal exposure data: Benefit for air pollution epidemiology: Society of Exposure Analysis (ISEA) annual meeting. Research Triangle Park, NC, USA.