Data					
Authors and Title	Investigation period	Variables	Temporal resolution	Spatial resolution	Short description
	penou	Deaths; all causes	resolution	State of Berlin	
Burkart et al. 2013: Interactive short-term effects of equivalent temperature and air pollution on human mortality in Berlin and Lisbon.	1998-2010	Universal Thermal Climate Index (UTCI), calculated on the basis of meteorological parameters	Day	DWD station Tempelhof	Investigation of effects of heat, cold and air pollutants; calculation of mortality risks
		PM <sub>10</sub> , ozone		BLUME stations Neukölln, Wedding, Buch	
Fenner et al. 2015: Inner-city air temperature as indicator of health-related loads in cities, using the example of Berlin ("Innerstaditische Luttemperatur als Indikator gesundheitlicher Belastungen in Großstädten am Beispiel Berlins").	2001-2010	Deaths; all causes; age groups (in total, 0 – 64, 65+)	Day	State of Berlin	Investigation of thermal effects dependent on climatic conditions differing across the inner-city; quantification of excess mortalities on the basis of the heat event based risk model by Scherer et al. 2013
		Air temperature		DWD stations Tegel, Tempelhof; Urban Climate Observation Network stations (TU Berlin) Dahlemer Feld, Dessauer Straße	
Gabriel and Endlicher 2011: Urban and rural mortality rates during heat waves in Berlin and Brandenburg.	1990-2006	Deaths; all causes; age groups (< 50, > 50); gender	Day	State of Berlin; boroughs	Epidemiological study; investigation of thermal effects; calculation of heat-related excess mortalities
		Meteorological parameters; perceived temperature		DWD stations Tempelhof, Dahlem	
		Land use (degree of imperviousness)	Year	State of Berlin	
Jehn et al. 2013: Telemonitoring reduces exacerbation of COPD in the context of climate changea randomized controlled trial.	June 1-August 31, 2012	Lung function, clinical status (CAT), 6-min walking test	Day	State of Berlin	Clinical study with 62 COPD patients; investigation of thermal effects; telemedical study
		Days of thermal load based on the air temperature		DWD station Tempelhof	
Jehn et al. 2014: Heat Stress is Associated with Reduced Health Status in Pulmonary Arterial Hypertension: A Prospective Study Cohort.	April 1-September 30, 2011	Steps, symptom score	Day	State of Berlin	Prospective cohort study with 15 PAH patients; investigation of thermal effects by means of activity and symptom monitorings
		Days of thermal load based on the air temperature, humidity		DWD station Tempelhof	
Scherber 2014: Impacts of thermal load and air pollution on fully inpatient admissions and deaths in hospitals during summer months in Berlin and Brandenburg ("Auswirkungen von Wärme- und Luftschadstoffbelastungen auf vollstationäre Patientenaufnahmen und Sterbefälle im Krankenhaus während Sommermonaten in Berlin und Brandenburg").	1994-2010	Patient admissions and deaths in hospitals; all causes, RS, CVS; age groups (in total, 0-14, 15- 44, 45-64, 65-74, 75+)	Day	State of Berlin	Investigation of thermal and air pollutant effects; spatial analyses; projections for heat-related morbidity and mortality
		Universal Thermal Climate Index (UTCI), calculated on the basis of meteorological parameters		DWD stations Tempelhof, Tegel, Schönefeld	
		Ozone, PM <sub>10</sub> , NO <sub>2</sub>		BLUME stations Buch, Wedding, Neukölln	
Scherber et al. 2014: Spatial analysis of hospital admissions for respiratory diseases during summer months in Berlin taking bioclimatic and socio-economic aspects into account.	2000-2009	Patient admissions in hospitals; RS; age group 65+	Month Year	Postcode areas	Spatial analysis of the risk for RS hospital admissions taking socio-economic factors and thermal load into account
		Social index Annual mean days of thermal load			
Scherer et al. 2013: Quantification of heat- stress related mortality hazard, vulnerability and risk in Berlin.	2001-2010	Deaths; all causes; age groups (in total, 0 – 64, 65+)	Day, month	State of Berlin	Investigation of thermal effects; quantification of excess mortalities on the basis of a heat-event-based risk model
		Air temperature		DWD station Tempelhof	
Schuster et al. 2014: Heat mortality in Berlin – Spatial variability at the neighbourhood scale.	2006-2010	Deaths; all causes	Month	Planning areas	Inner-city spatial analysis of heat-related excess mortality risks
		Air temperature; DWD heat alerts		DWD stations Tempelhof, Tegel, Schönefeld	
Turowski and Haase 1987: Meteoro- pathological study of the climate and weather dependency of mortality ("Meteoropathologische Untersuchung über die Klima- und wetterabhängigkeit der Sterblichkeit").	1958-1967	Deaths; differentiated according to causes, age groups, gender Meteorological	Day, month	East Berlin, inner and outer boroughs	Investigation of the weather influence; calculation of excess mortalities
Abbreviations RS: diseases of the respiratory system		parameters			<u> </u>

Abbreviations
RS: diseases of the respiratory system
BLUME: Berlin Air Quality Monitoring Network
CAT: COPD Assessment Test
COPD: chronic obstructive pulmonary disease
DWD: German Meteorological Service
CVS: diseases of the cardiovascular system
PAH: pulmonary arterial hypertension