

Title: Spiritual, Religious, and Existential Distress and Chronic Disease with Known Health Risk Behaviors: Scoping Review Protocol

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Appendix I: Inclusion & Exclusion Criteria

Inclusion Criteria				
Study types	Experimental, quasi-experimental, observational, and mixed methods studies with at least 1 quantitative survey with a SRE measure			
Time frame	Any			
Language	English or available in English			
Population	Adults (18 years or older)			
SRE Measure	Includes Spiritual, Religious, or Existential Distress measure or description			
Disease Types	Heart/Vascular, Diabetes, Renal, Respiratory, & Liver <i>(See expanded list below)</i>			
	Heart/Vascular	Diabetes/Renal	Respiratory	Liver
	<ul style="list-style-type: none"> - Cardiovascular Disease - Congestive Heart Failure - Myocardial infarction - Ischemic heart disease - Coronary artery disease - Cardiomyopathy - Metabolic syndrome - Ischemic Stroke - Transient Ischemic Stroke - Hypertension - Dyslipidemia 	<ul style="list-style-type: none"> - Type 2 Diabetes - Chronic Renal Disease - Prediabetic - Diabetic Ulcers (e.g., foot ulcers) 	<ul style="list-style-type: none"> - Chronic obstructive pulmonary disease - Pulmonary Hypertension - Emphysema - Chronic Bronchitis - Asthma 	<ul style="list-style-type: none"> - Liver Disease (e.g., fatty liver disease) - Cirrhosis

Exclusion Criteria

Not Patient Focused	Non-Adults	Terminal of life-limiting Disease	Communicable/ Congenital Disease	Complementary/ Alternative Medicine; religious behaviors	Paper Types
Caregivers; Providers; Parents; Experts	Children; Adolescents; Pediatrics	End-of-Life; Advanced Disease; Palliative Care; Hospice	HIV/AIDS; Hepatitis; Cystic Fibrosis; Sickle Cell	Yoga, Meditation; Only religious behaviors; Fasting only; pilgrimages; Beliefs/behaviors about blood or tissue donations or transplants	Qualitative; Reviews; Opinions; Informative; Abstracts/Conference proceedings; Grey Literature; Background; Books; Book Reviews; Protocols; Program Development

Appendix II: Search strategy (Results from PubMed (Medline) preliminary literature search)

Search	Query	Records Retrieved from PubMed
#1 <i>Spiritual distress</i>	(("Humanism"[Mesh] OR "Existentialism"[Mesh] OR "Secularism"[Mesh] OR "Spirituality"[Mesh] OR Spiritual[tiab] OR Spiritualities[tiab] OR religious[tiab] OR existential[tiab] OR religion[tiab] OR religions[tiab] OR psychospiritual[tiab] OR Secularism[tiab] OR Secular[tiab]) AND ("Psychological Distress"[Mesh] OR "stress, psychological"[MeSH Terms] OR Distress[tiab] OR struggle[tiab] OR needs[tiab] OR "well being"[tiab] OR wellbeing[tiab] OR resilience[tiab] OR resilient[tiab] OR concerns[tiab] OR concern[tiab] OR transformation[tiab] OR coping[tiab] OR cope[tiab] OR struggling[tiab] OR suffering[tiab] OR suffer[tiab] OR struggles[tiab] OR anguish[tiab]))	22,423
#2 <i>Chronic disease</i>	"Liver Disease"[tiab] OR "Liver Diseases"[Mesh] OR "Type 2 Diabetes"[tiab] OR "Kidney Disease"[tiab] OR "Chronic Renal Disease"[tiab] OR "Chronic Kidney Disease"[tiab] OR "Pre Diabetic"[tiab] OR prediabetic[tiab] OR pre-diabetic[tiab] OR diabetic [tiab]OR "diabetes mellitus, type 2"[MeSH Terms] OR "Prediabetic State"[MeSH Terms] OR "Renal Insufficiency"[MeSH Terms] OR "Diabetes Insipidus"[MeSH Terms] OR "Diabetic Nephropathies"[MeSH Terms] OR "Renal Artery Obstruction"[MeSH Terms] OR "Chronic respiratory disease"[tiab] OR "chronic obstructive pulmonary disease" [tiab]OR "Pulmonary Hypertension"[tiab] OR Emphysema[tiab] OR "Chronic Bronchitis"[tiab] OR Asthma[tiab] OR "lung diseases, obstructive"[MeSH Terms] OR "Carotid Artery Diseases"[MeSH Terms] OR "Cardiovascular Disease"[tiab] OR "Heart Disease"[tiab] OR "Heart Failure" [tiab]OR "Congestive Heart Failure"[tiab] OR "Heart Attack"[tiab] OR "Myocardial infarction"[tiab] OR stroke[tiab] OR "coronary artery disease"[tiab] OR "coronary arterial disease"[tiab] OR "Heart valve disease"[tiab] OR cardiomyopathy[tiab] OR "metabolic syndrome"[tiab] OR "Metabolic disease"[tiab] OR "Ischemic Stroke"[tiab] OR "Transient Ischemic Stroke"[tiab] OR TIA OR "Mini stroke"[tiab] OR "High Blood Pressure"[tiab] OR hypertension[tiab] OR dyslipidemia[tiab] OR "Pulmonary Heart Disease"[MeSH Terms] OR "Ventricular Dysfunction"[MeSH Terms] OR "Myocardial Stunning"[MeSH Terms] OR "Myocardial Ischemia"[MeSH Terms] OR "Heart Valve Diseases"[MeSH Terms] OR "Heart Failure"[MeSH Terms] OR "Cardiomyopathies"[MeSH Terms] OR "Heart Arrest"[MeSH Terms] OR "Cardiomegaly"[MeSH Terms] OR "Lipid Metabolism Disorders"[MeSH Terms] OR "Metabolic Syndrome"[MeSH Terms] OR "Ischemic Stroke"[MeSH Terms] OR "Heart Disease Risk Factors"[MeSH Terms] OR "hypertension, pulmonary"[MeSH Terms]	3,304,214
#3	#1 + #2	1,065
<i>Note: No limits were placed on language or dates; completed June 14, 2022</i>		

Appendix III: Data extraction instrument

	Information Field	Results
General Study Information	Author/s	Copy/Paste
	Year of publication	Copy/Paste
	Journal name	Copy/Paste
	Country (Sample Origin)	Copy/Paste
	Context	Copy/Paste
	Sample size	Copy/Paste
	Aim of study	Copy/Paste
	Study design (including duration, if applicable)	<i>e.g., randomized controlled trial, mixed methods, qualitative</i>
Context	Setting	<i>e.g., outpatient clinic, acute care hospital, hospice, multiple settings</i>
	Number of settings (if multiple)	Copy/Paste
	Identified Disease/s	Copy/Paste
SRE Distress	Definition of S/R/E Distress	Copy/Paste
	Measure/instrument for S/R/E distress	<i>e.g., the Religious and Spiritual Struggles Scale, FACIT-SP, R-COPE</i>
	Who is administering?	<i>e.g., Nurse, Chaplain, Social Worker, Self (patient)</i>
Other	Specified religious affiliation	

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General Study Information	Author/s	Copy/Paste
	Year of publication	Copy/Paste
	Journal name	Copy/Paste
	Country (Sample Origin)	Copy/Paste
	Context	Copy/Paste
	Sample size	Copy/Paste
	Aim of study	Copy/Paste
	Study design (including duration, if applicable)	<i>e.g., randomized controlled trial, mixed methods, qualitative</i>
		Copy/Paste <i>(e.g., Protestant Christian, Hindu, Muslim, Jewish, Humanism, etc.)</i>
	Measures of religiosity, spirituality, or existentialism	Copy/Paste