

Supplementary material

Supplementary tables

Supplementary Table 1. Search protocol

Research Question	Databases, Resources, and limits		
	Databases	Grey Literature	Limits
Does clinical outcome following triple-negative breast cancer differ between overweight and non-overweight patients?	MEDLINE (PubMed) & Embase +Reference List Searching (Snowballing) and citation search.	Not searched	Language: English, Years: All, Age Groups: ≥ 18 years, Publication Types: Peer-review, Geographical: All
Databases searched:			
Search 1:			
Type of search	Initial screening of existing systematical reviews in PubMed		
Search string	(breast cancer) AND (survival OR prognosis OR recurrence*) AND (obesity OR overweight OR BMI) and meta-analysis		
Yielded references: 75	Duplicates removed: N/A	Total added: N/A	Date conducted: 01.07.2020
Search 2:			
Type of search	Final saturated MesSH-search in PubMed		
Search string	("Triple Negative Breast Neoplasms"[MeSH]) AND "Overweight"[MeSH] OR "Obesity" [MeSH])		
Yielded references: 31	Duplicates removed: 0	Total added: 31	Date conducted: 07.07.2020
Search 3:			
Type of search	Initial screening of Embase		
Search string	('triple negative breast cancer'/exp OR 'triple negative breast cancer') AND ('prognosis'/exp OR prognosis) AND ('obesity'/exp OR obesity)		
Yielded references: 163	Duplicates removed: N/A	Total added: N/A	Date conducted: 01.07.2020
Search 4:			
Type of search	Final saturated search in Embase		
Search string	'triple negative breast cancer' AND overweight AND prognosis		
Yielded references: 47	Duplicates removed: 10	Total added: 37	Date conducted: 07.07.2020
Search 5:			
Type of search	Reference lists		
Yielded references: 5	Duplicates removed: N/A	Total added: 5	Date conducted: 07.07.2020

*N/A = Not applicable;

**Protocol modified from <http://guides.library.stonybrook.edu/c.php?g=226681&p=1502561#s-lg-box-wrapper-5374018> 01.07.2020

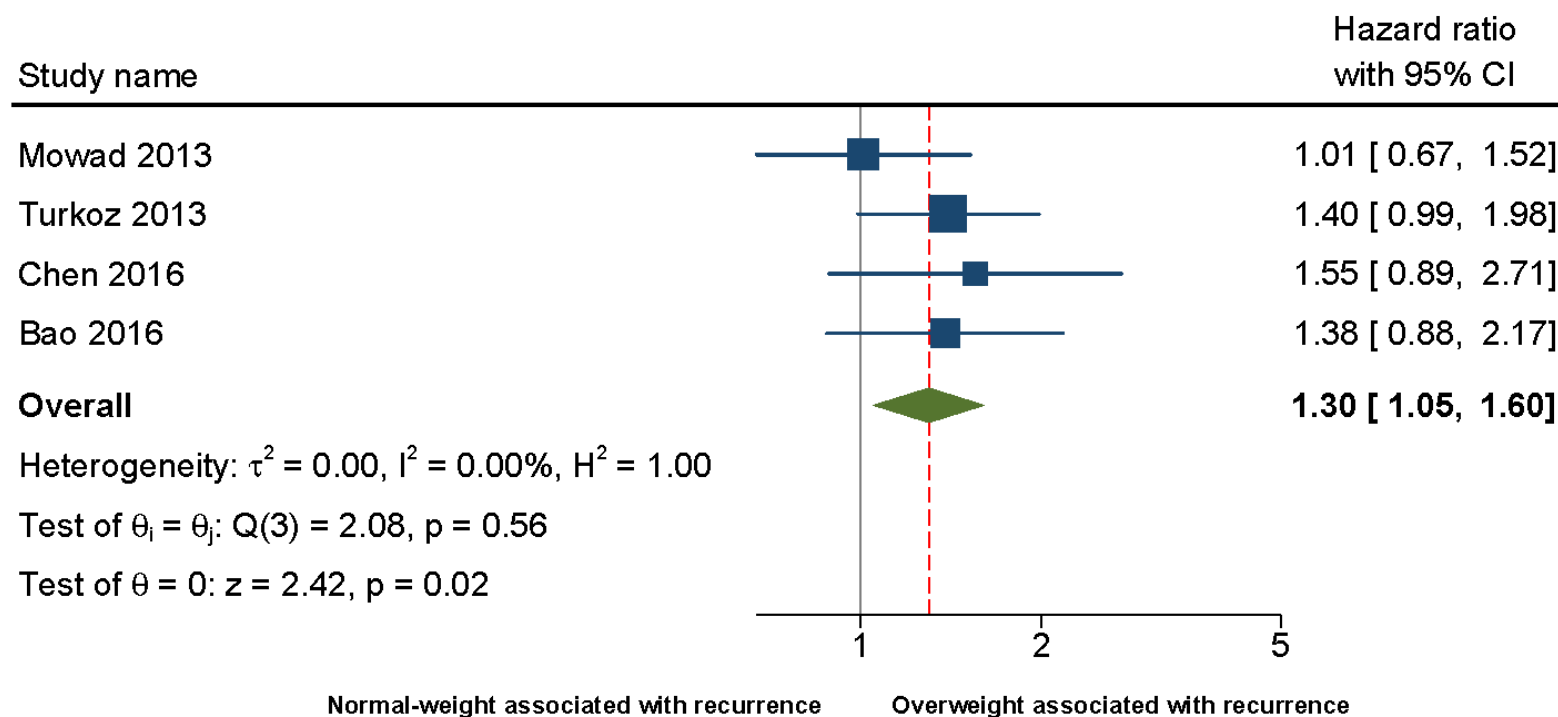
Supplementary Table 2. Event definition of disease-free and overall survival in the included studies

Study	Event definition DFS	Event definition OS
<i>Dawood (2012)</i> ⁴²	N/R	Death
<i>Mowad (2013)</i> ³⁴	Date of diagnosis to first recurrence (local or distant)	Death from any cause
<i>Turkoz (2013)</i> ⁴⁹	The interval from date of diagnosis to the date of locoregional or distant recurrence	Date of diagnosis to the date of death from breast cancer
<i>Tait (2014)</i> ³⁹	Time from surgery to any invasive breast recurrence (local or distant) or death	Time from diagnosis to death from any cause
<i>Widschwendter (2015)</i> ³³	Local, contralateral and distant disease recurrence, secondary primary tumors and death	Death from any cause
<i>Hao (2015)</i> ⁴³	N/R	Death from any cause
<i>Chen (2016)</i> ³⁶	Diagnosis to first recurrence/metastasis	Death from any cause
<i>Bao (2016)</i> ⁴⁰	Cancer recurrence/metastasis or death related to breast cancer	Death from any cause
<i>Al Jarroudi (2017)</i> ³⁸	Event not defined	Event not defined
<i>Liu (2018)</i> ⁴¹	N/R	Death
<i>Wang (2019)</i> ³⁷	Date of diagnosis to the locoregional or distant recurrence or death from any cause	N/R

*DFS = Disease-free survival; OS = Overall survival; N/R = Not reported

Supplementary figures

Supplementary Figure 1. Meta-analysis of observational studies comparing recurrence-free survival in normal-weight and overweight.



*Recurrence-free survival was defined as the time from breast cancer diagnosis to first recurrence.