**Search strategy used in PubMed, Embase and Web of Science (a search period up to 28th February 2021, without language restriction)**

**For PubMed, the following search strategy was used:**

#1 (Colorect\*[Title/Abstract] OR Colon[Title/Abstract] OR Rectal[Title/Abstract] OR Rectum[Title/Abstract] OR "large bowel"[Title/Abstract] )AND Cancer[Title/Abstract] (208,847)

#2 (BMI[Title/Abstract] OR overweight[Title/Abstract] OR "over weight"[Title/Abstract] OR obesity[Title/Abstract] OR obese[Title/Abstract] OR "body mass"[Title/Abstract] OR "body size"[Title/Abstract] OR "body fat"[Title/Abstract] OR "body fatness"[Title/Abstract] OR anthropometr\*[Title/Abstract] OR "weight loss"[Title/Abstract] OR "weight gain"[Title/Abstract] OR "body composition"[Title/Abstract] OR "waist circumference"[Title/Abstract] OR "hip circumference"[Title/Abstract] OR "waist hip ratio\*"[Title/Abstract]) (692,452)

#3 animal\*[Title] OR"animal experiment\*"[Title] OR "animal model"[Title] OR "animal tissue"[Title] OR "non human"[Title] OR nonhuman[Title] OR rat[Title] OR rats[Title] OR mice[Title] OR mouse[Title] OR swine[Title] OR porcine[Title] OR murine[Title] OR sheep[Title] OR lambs[Title] OR pig[Title] OR pigs[Title] OR piglets[Title] OR rabbit[Title] OR rabbits[Title] OR cat[Title] OR cats[Title] OR dog[Title] OR dogs[Title] OR cattle[Title] OR bovine[Title] OR monkey[Title] OR monkeys[Title] OR trout[Title] OR marmoset\*[Title]

(2,226,532)

#4 editorial[Publication Type] OR letter[Publication Type] OR Comment\*[Publication Type] OR news[Publication Type] (2,125,661 )

#5 ("1900/01/01"[Date - Publication] : "2021/02/28"[Date - Publication]) (32,120,316)

#6 ((#1 AND #2 ) NOT #3 NOT #4 ) AND #5 Sort by: Most Recent (6,367)

**For Web of Science search:**

# 1

TOPIC: ((Colorect\* OR Colon OR Rectal OR Rectum OR “large bowel”) AND Cancer)

Databases= WOS, BIOSIS, CSCD, DIIDW, INSPEC, KJD, MEDLINE, RSCI, SCIELO Timespan=All years

Search language=Auto 496,709

# 2

TOPIC: ((BMI OR overweight OR “over weight” OR obesity OR obese OR “body mass” OR “body size” OR “body fat” OR “body fatness” OR anthropometr\* OR “weight loss” OR “weight gain” OR “body composition” OR “waist circumference” OR “hip circumference” OR “waist hip ratio\*”) )

Databases= WOS, BIOSIS, CSCD, DIIDW, INSPEC, KJD, MEDLINE, RSCI, SCIELO Timespan=All years

Search language=Auto 1,513,246

# 3

TITLE: (animal\* OR“animal experiment\*” OR “animal model” OR “animal tissue” OR “non human” OR nonhuman OR rat OR rats OR mice OR mouse OR swine OR porcine OR murine OR sheep OR lambs OR pig OR pigs OR piglets OR rabbit OR rabbits OR cat OR cats OR dog OR dogs OR cattle OR bovine OR monkey OR monkeys OR trout OR marmoset\*)

Databases= WOS, BIOSIS, CSCD, DIIDW, INSPEC, KJD, MEDLINE, RSCI, SCIELO Timespan=All years

Search language=Auto 3,636,879

# 4

#1 AND #2 NOT #3

Databases= WOS, BIOSIS, CSCD, DIIDW, INSPEC, KJD, MEDLINE, RSCI, SCIELO Timespan=All years

Search language=Auto 17,359

# 5

#1 AND #2 NOT #3

Refined by: DOCUMENT TYPES: ( ARTICLE OR CLINICAL TRIAL OR OTHER OR CASE REPORT OR EARLY ACCESS OR RETRACTED PUBLICATION OR REVIEW OR REPORT OR MEETING OR THESIS DISSERTATION OR ABSTRACT ) AND Open Access: ( OPEN ACCESS )

Databases= WOS, BIOSIS, CSCD, DIIDW, INSPEC, KJD, MEDLINE, RSCI, SCIELO Timespan=All years

Search language=Auto 5,996

**For Embase search:**

#1

(colorect\*:ab,ti OR colon:ab,ti OR rectal:ab,ti OR rectum:ab,ti OR 'large bowel':ab,ti) AND cancer:ab,ti AND [1966-2021]/py 1,054,509

#2

(bmi:ab,ti OR overweight:ab,ti OR 'over weight':ab,ti OR obesity:ab,ti OR obese:ab,ti OR 'body mass':ab,ti OR 'body size':ab,ti OR 'body fat':ab,ti OR 'body fatness':ab,ti OR anthropometr\*:ab,ti OR 'weight loss':ab,ti OR 'weight gain':ab,ti OR 'body composition':ab,ti OR 'waist circumference':ab,ti OR 'hip circumference':ab,ti OR 'waist hip ratio\*':ab,ti) AND [1966-2021]/py 2,393,925

#3

('animal\* oranimal experiment\*':ti OR 'animal model':ti OR 'animal tissue':ti OR 'non human':ti OR nonhuman:ti OR rat:ti OR rats:ti OR mice:ti OR mouse:ti OR swine:ti OR porcine:ti OR murine:ti OR sheep:ti OR lambs:ti OR pig:ti OR pigs:ti OR piglets:ti OR rabbit:ti OR rabbits:ti OR cat:ti OR cats:ti OR dog:ti OR dogs:ti OR cattle:ti OR bovine:ti OR monkey:ti OR monkeys:ti OR trout:ti OR marmoset\*:ti) AND [1966-2021]/py 12,713

#4

#1 AND #2 NOT #3 AND ([article]/lim OR [article in press]/lim OR [conference paper]/lim OR [conference review]/lim OR [review]/lim OR [short survey]/lim) AND [embase]/lim AND [<1966-2021]/py 5,515