

# Anexo 9

## Búsqueda de información - Flujogramas

### Definición y aspectos preventivos

1. ¿Cómo se define enfermedad diarreica aguda? ¿Cómo se define gastroenteritis?

No hay evidencia que soporte la decisión de cuál debe ser la definición de la enfermedad, por ello se realizó un consenso al interior del grupo bajo la metodología Delphi modificada.

2. ¿Cuáles son los principales factores de riesgo en nuestro medio para desarrollar enfermedad diarreica aguda (EDA)?

### *Estrategias de búsqueda*

#### **Base de datos: Embase**

#1 'clinical-study'/exp OR 'case-control study'/exp OR 'family-study'/exp OR 'longitudinal-study'/exp OR 'retrospective-study'/exp OR ('prospective-study'/exp NOT 'randomized-controlled trials'/exp) OR 'cohort analysis'/exp OR cohort NEXT/1 (study OR studies) OR ('case control' NEXT/1 (study OR studies)):ab,ti OR ('follow up' NEXT/1 (study OR studies)):ab,ti OR (observational NEXT/1 (study OR studies)):ab,ti OR (epidemiologic\* NEXT/1 (study OR studies)):ab,ti OR ('cross-sectional' NEXT/1 (study OR studies)):ab,ti 5,923,514

#2 'acute diarrhea'/exp AND ([infant]/lim OR [preschool]/lim OR [school]/lim OR [child]/lim) AND [humans]/lim 955

#3 #1 AND #2 796

#4 'risk factor'/exp 477,557

#5 #3 AND #4 35

#### **Base de datos: Medline**

child preschool OR infant AND diarrhea AND "risk factor" NOT hiv Resultados:145

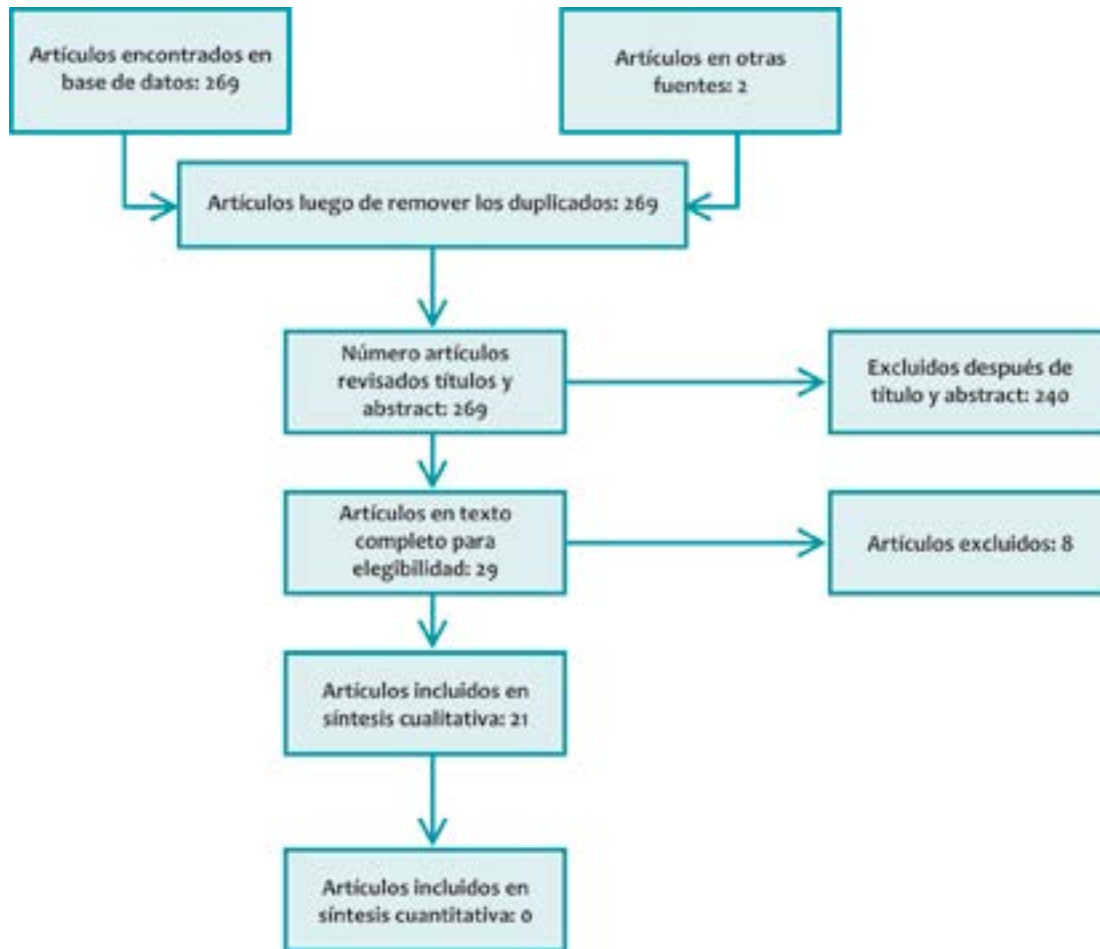
#### **Base de datos: Lilacs**

diarrhea AND risk factor OR contaminated water OR contaminated food OR handwashing > Diarrea Infantil. Resultados: 113

#### **Búsqueda Apoyo Centro Cochrane**

(((((Diarrhea [Mesh] OR Rotavirus [Mesh] OR Colitis [Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh])) AND (Risk Factors[Mesh] OR risk factor\*[tiab] OR predict\*[tiab] OR determinant\*[tiab] OR correlate\*[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711])). Resultados: 3

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3. ¿La lactancia materna exclusiva durante los primeros seis meses de vida, previene la aparición de EDA?

3.1. ¿Los niños menores de 5 años que reciben leche materna exclusiva hasta los seis meses (o hasta el año, o los dos años, con la alimentación complementaria) comparados con los que no la recibieron hasta esas edades, tienen mayor incidencia de diarrea, de mortalidad y de hospitalización por diarrea?

### **Estrategia de búsqueda**

#### **Base de datos: Embase**

\*diarrhea/ AND \*breast feeding/ AND "review"/

#### **Base de datos: Medline**

(Therapy/Broad[filter]) AND ((“Diarrhea”[Mesh]) AND “Breast Feeding”[Mesh])  
Systematic [sb] AND (((“Diarrhea”[Mesh]) AND “Breast Feeding”[Mesh]))

**Base de datos: Lilacs**

diarrhea AND breast feeding OR exclusive breast feeding

**Búsqueda Apoyo Centro Cochrane**

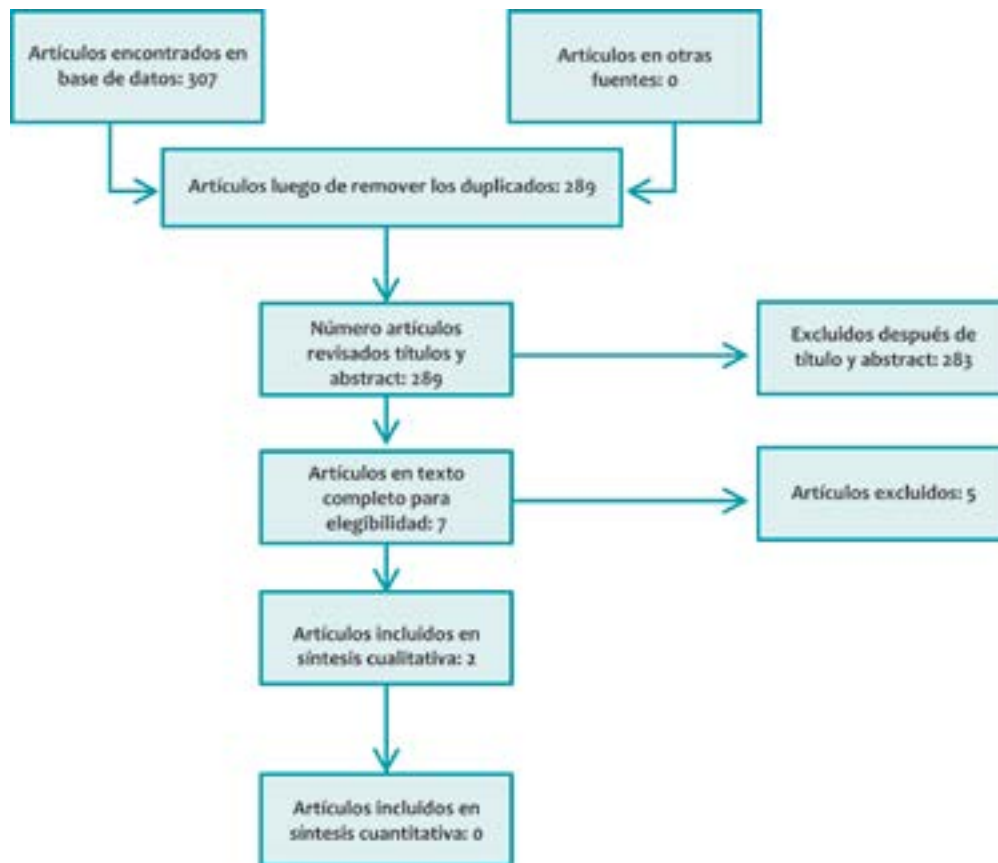
((((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh])) AND (Breast Feeding[Mesh] OR breastfeed\*[tiab] OR breast feed\*[tiab] OR maternal milk\*[tiab] OR lactation\*[tiab] OR lactating[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal: \_jrid21711]))

**Base de datos: Cochrane**

"diarrhea AND breast feeding OR exclusive breast feeding in Title, Abstract or Keywords in Cochrane Database of Systematic Reviews of type review"

"diarrhea AND breast feeding OR exclusive breast feeding in Title, Abstract or Keywords in Database of Abstracts of Reviews of Effects"

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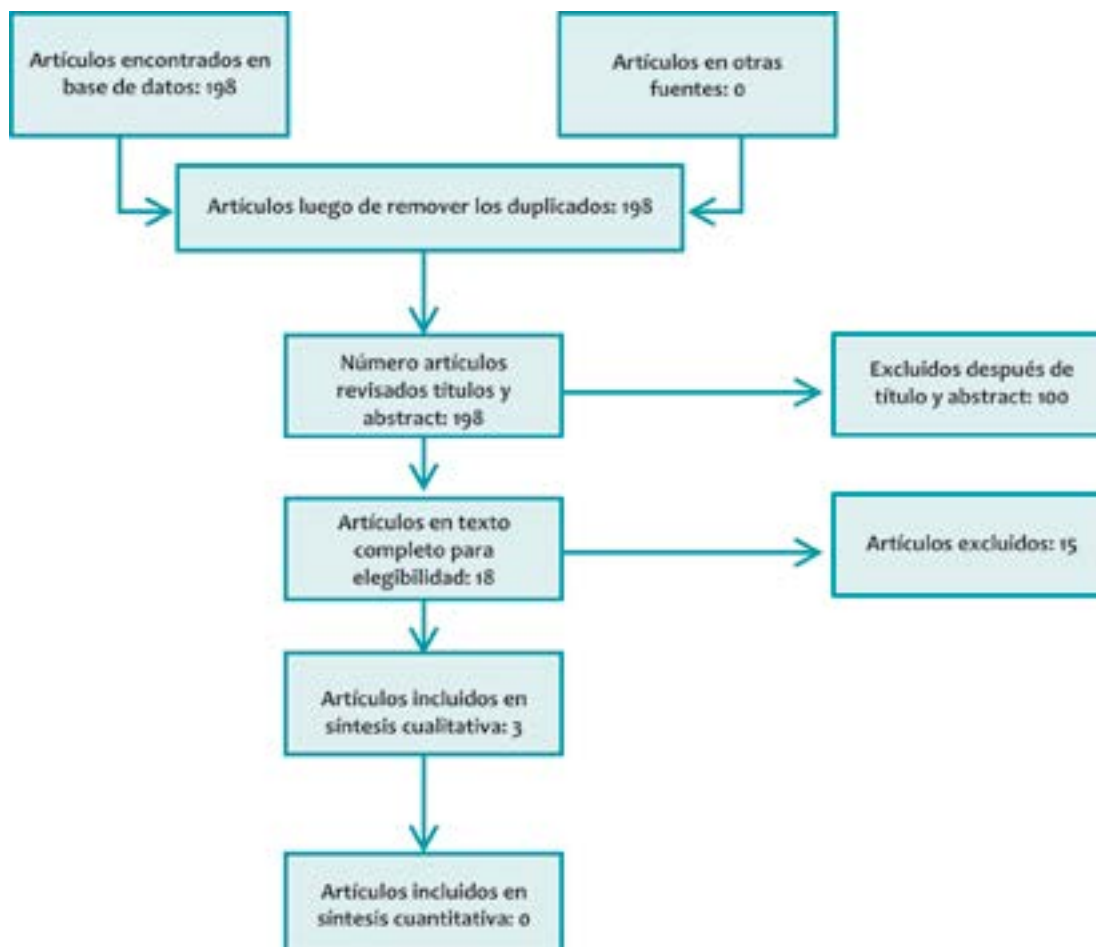
#### 4. ¿La suplementación diaria con micronutrientes previene la aparición de EDA?

##### **Estrategia de búsqueda**

4.1. ¿Los niños menores de 5 años que reciben vitamina A en comparación con los no que la reciben, tienen menor incidencia de EDA?

((("Vitamin A"[Mesh] OR "Vitamin A Deficiency"[Mesh] OR "vitamin A")) AND (((((((("Diarrhea"[Majr]) OR "Diarrhea, Infantil"[Mesh]) OR "Diarrhea/prevention and control"[Mesh]) OR "Dysentery"[Mesh]) OR "Rotavirus"[Mesh]) OR "Rotavirus Infections"[Mesh]) OR "Incidence"[Mesh]) OR "Prevalence"[Mesh]) OR "Primary Prevention"[Mesh])) AND (((("Randomized Controlled Trial"[Publication Type] OR "Randomized Controlled Trials as Topic"[Mesh] OR "Controlled Clinical Trial"[Publication Type]) OR "Clinical Trial"[Publication Type]) OR "Random Allocation"[Mesh]) OR "Double-Blind Method"[Mesh]) OR "Single-Blind Method"[Mesh] OR random allocat\* OR randomly allocat\* OR clinical trial OR double blind OR clinical trial)

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4.2. ¿Los niños menores de 5 años que reciben suplemento de cinc en comparación con los no que lo reciben, tienen menor incidencia de EDA?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

#1 'infant'/exp OR 'preschool child'/exp 747,650

#2 'zinc'/mj OR 'zinc acetate'/exp OR 'zinc sulfate'/exp OR 'zinc derivative'/exp OR 'gluconate zinc'/exp 42,709

#3 'diarrhea'/mj OR 'infantile diarrhea'/exp OR 'dysentery'/exp OR 'rotavirus'/exp OR 'rotavirus infection'/exp OR 'incidence'/exp OR 'prevalence'/exp OR 'primary prevention'/exp 547,065

#4 #2 AND #3 AND #4 160

#6 #2 AND #3 AND #4 AND ([cochrane review]/lim OR [controlled clinical trial]/lim OR [meta analysis]/lim OR [randomized controlled trial]/lim OR [systematic review]/lim) 80

#### **Base de datos: Medline**

((("Child, Preschool"[Mesh]) OR "Infant"[Mesh]) AND (((zinc supplementation[Text Word]) OR (((("Zinc"[Majr]) OR "Zinc Acetate"[Mesh]) OR "Zinc Sulfate"[Mesh]) OR "Zinc Compounds"[Mesh]) OR "zinc gluconate glycine"[Supplementary Concept]) OR "Zinc Compounds/therapeutic use"[Mesh])) AND (((((((("Diarrhea"[Majr]) OR "Diarrhea, Infantile"[Mesh]) OR "Diarrhea/prevention and control"[Mesh]) OR "Dysentery"[Mesh]) OR "Rotavirus"[Mesh]) OR "Rotavirus Infections"[Mesh]) OR "Incidence"[Mesh]) OR "Prevalence"[Mesh]) OR "Primary Prevention"[Mesh]))

"Vitamin A"[Mesh] OR "Vitamin A Deficiency"[Mesh] OR "vitamin A"

((((((((((("Diarrhea"[Majr]) OR "Diarrhea, Infantile"[Mesh]) OR "Diarrhea/prevention and control"[Mesh]) OR "Dysentery"[Mesh]) OR "Rotavirus"[Mesh]) OR "Rotavirus Infections"[Mesh]) OR "Incidence"[Mesh]) OR "Prevalence"[Mesh]) OR "Primary Prevention"[Mesh]))

((("Randomized Controlled Trial" [Publication Type] OR "Randomized Controlled Trials as Topic"[Mesh] OR "Controlled Clinical Trial" [Publication Type]) OR "Clinical Trial" [Publication Type]) OR "Random Allocation"[Mesh]) OR "Double-Blind Method"[Mesh]) OR "Single-Blind Method"[Mesh] OR random allocat\* OR randomly allocat\* OR clinical trial OR double blind OR clinical trial

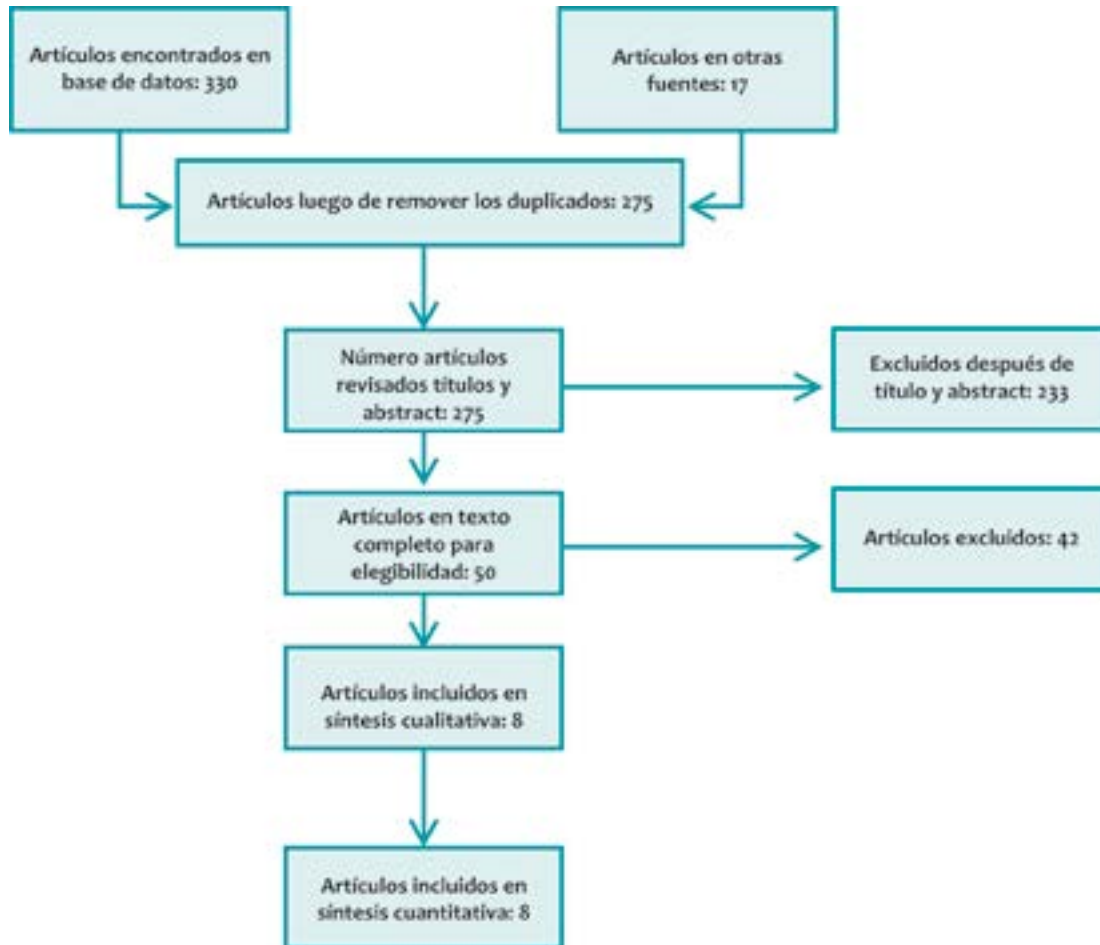
#### **Base de datos: Lilacs**

Pesquisa > Zinc AND diarrhea AND child preschool OR infant

#### **Búsqueda Apoyo Centro Cochrane**

((((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh])) AND (Micronutrients [Mesh] OR micronutrient\*[tiab] OR vitamin\*[tiab] OR zinc\*[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711])

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5. ¿El uso de probióticos, prebióticos, simbióticos y leches fermentadas previene la aparición de EDA?

5.1. ¿Los niños menores de 5 años que reciben probióticos, prebióticos, mezclas de ambos (simbióticos) o leches fermentadas (yogur, kumis u otras similares) en comparación con los que no la reciben, tienen menor incidencia y/o prevalencia de EDA?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

'infant'/exp OR 'child preschool'/exp AND 'diarrhea'/mj OR 'gastroenteritis'/mj OR 'dysentery'/mj AND 'probiotic agent'/mj OR 'prebiotic agent'/mj OR cultured AND milk AND ([cochrane review]/lim OR [controlled clinical trial]/lim OR [meta analysis]/lim OR [randomized controlled trial]/lim OR [systematic review]/lim)

### Base de datos: Medline

((("Child, Preschool"[Mesh]) OR "Infant"[Mesh])) AND (((((((((((((((((((((((("Synbiotics"[Mesh]) OR "Lactobacillus"[Mesh]) OR "Probiotics"[Majr]) OR "Prebiotics"[Majr]) OR "Lactobacillus fermentum"[Mesh]) OR "Lactobacillus acidophilus"[Mesh]) OR "Lactobacillus rhamnosus"[Mesh]) OR "Lactobacillus reuteri"[Mesh]) OR "Lactobacillus leichmannii"[Mesh]) OR "Lactobacillus helveticus"[Mesh]) OR "Lactobacillus brevis"[Mesh]) OR "Lactobacillus delbrueckii"[Mesh]) OR "Lactobacillus plantarum"[Mesh]) OR "Lactobacillus casei"[Mesh]) OR "Bacillus subtilis"[Mesh]) OR "Bacillus"[Majr]) OR "Saccharomyces"[Mesh]) OR "Saccharomyces cerevisiae"[Mesh]) OR "Streptococcus thermophilus"[Mesh]) OR "Yogurt"[Majr] OR "Cultured Milk Products"[Mesh] OR "Milk Product" OR "culture product" OR "Cultured Milk Products" OR "Kefir" OR "Buttermilk")) AND (((("Diarrhea"[Majr]) OR "Gastroenteritis"[Majr]) OR "Dysentery"[Mesh] OR acute diarr\*)) AND (((prevention and control[MeSH Terms]) OR treatment outcome[MeSH Terms]) OR incidence[MeSH Terms]) OR prevalence[MeSH Terms])) AND (((meta analysis[Publication Type] OR "Cochrane Database Syst Rev"[Journal]) OR clinical trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR random allocation[Publication Type]) OR randomized controlled trials[Publication Type]))

### Base de datos: Lilacs

diarrhea [Subject descriptor] and probiotics [Subject descriptor] or prebiotics [Subject descriptor]

### Base de datos: Cochrane

"infant AND diarrhea AND probiotics in Title, Abstract or Keywords in Cochrane Central Register of Controlled Trials"

"infant AND diarrhea AND probiotics in Title, Abstract or Keywords in Cochrane Database of Systematic Reviews"

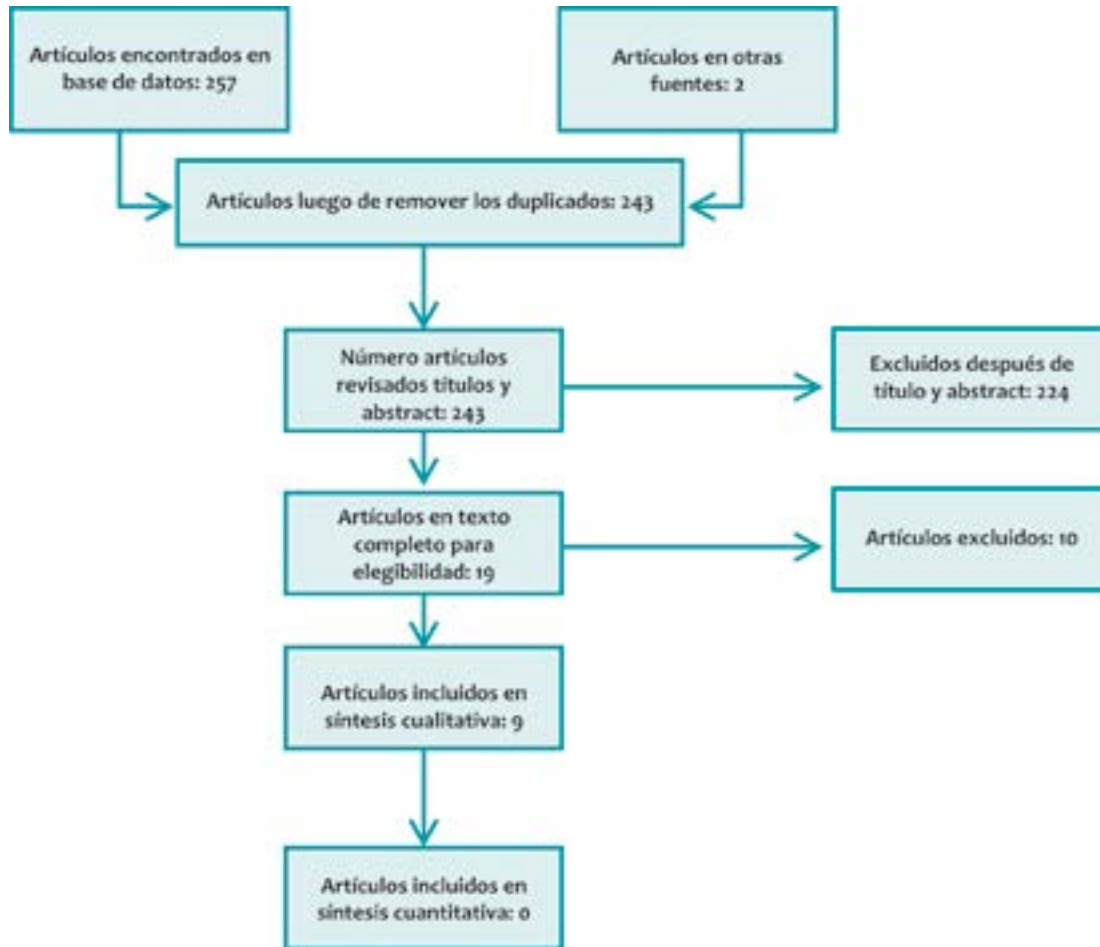
"infant AND diarrhea AND probiotics in Title, Abstract or Keywords in Cochrane Central Register of Controlled Trials"

"infant AND diarrhea AND probiotics in Title, Abstract or Keywords in Database of Abstracts of Reviews of Effects"

### Búsqueda Centro Cochrane

((((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh])) AND (Probiotics[Mesh] OR Probiotic\*[tiab] OR Prebiotics[Mesh] OR Prebiotic[tiab] OR Lactobacillus[Mesh] OR Lactobacillus[tiab] OR Cultured Milk Products[Mesh] OR Fermented Milk\*[tiab] OR yogurt\*[tiab] OR Kefir\*[tiab] OR kumis[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal: \_jrid21711]))

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6. ¿Los niños menores de 5 años que reciben vacuna contra rotavirus (mono o polivalente) comparados con los que no reciben vacuna, tienen menor incidencia y/o prevalencia de EDA?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

#1 AND #2 AND #3 AND ([controlled clinical trial]/lim OR [randomized controlled trial]/lim) 31

#4 #1 AND #2 AND #3 86

#3 'fatality'/exp OR 'incidence'/exp OR 'prevalence'/exp AND 'diarrhea'/mj OR 'rotavirus infection'/mj OR 'hospital stay'/exp 158,275

#2 'clinical trial'/exp 886,542

#1 'rotavirus vaccines'/mj 1,374

#### **Base de datos: Medline**

(((((("Rotavirus"[Majr]) OR "Rotavirus Infections"[Majr]) OR "Diarrhea"[Mesh])



OR “Gastroenteritis”[Mesh])) AND ((“RotaTeq” [Supplementary Concept]) OR “RIX4414 vaccine”[Supplementary Concept])) Limits Activated: Clinical Trial, Randomized Controlled Trial, Controlled Clinical Trial

### Base de datos: Cochrane

“rotavirus vaccine in Title, Abstract or Keywords and rotateq in Title, Abstract or Keywords or RIX4414 vaccine in Title, Abstract or Keywords in Cochrane Central Register of Controlled Trials”

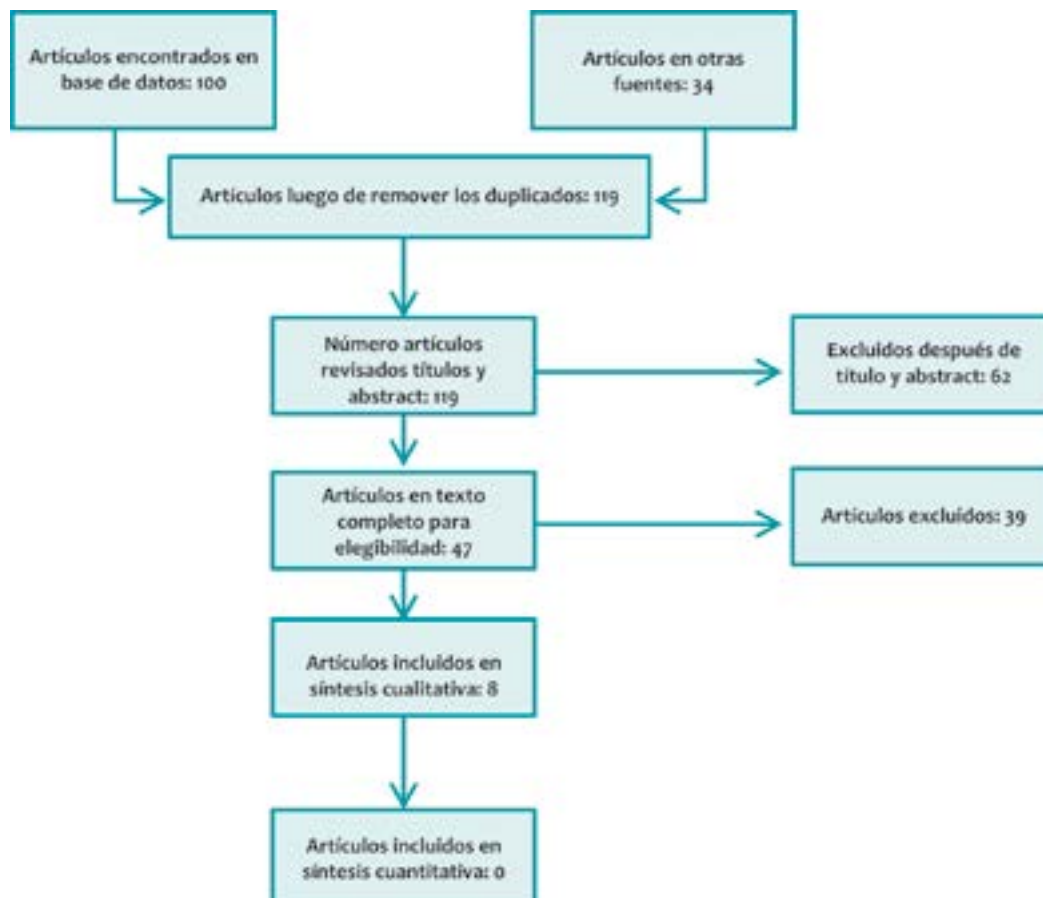
### Base de datos: Lilacs

rotavirus vaccines Tipo de estudio Ensayos clínicos

### Apoyo Centro Cochrane

(Infant[Majr] OR Child, Preschool[Mesh]) AND (Rotavirus Vaccines[Mesh] OR RotaTeq[all] OR Rotarix[all] OR RIX4414 vaccine [Supplementary Concept] OR (rotavirus[tiab] AND (vaccine\*[tiab]))) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR “Cochrane Database Syst Rev”[Journal: \_jrid21711])

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7. ¿Los niños menores de 5 años cuyos cuidadores practican medidas de higiene de manos rutinariamente y/o lavan las manos de los niños en comparación con la ausencia de esta práctica, tienen menos prevalencia y/o incidencia de EDA?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

#1 'diarrhea'/exp AND 'hand washing'/exp AND ('incidence'/exp OR 'prevalence'/exp OR 'epidemiology'/exp) 175

#2 'clinical trial'/exp OR 'controlled study'/exp OR 'major clinical study'/exp AND 'diarrhea'/exp AND 'article'/it OR 'review'/it 1,817,616

#3 #1 AND #2 86

#4 'infant'/exp OR 'preschool child'/exp 751,964

#5 #3 AND #4 26

#### **Base de datos: Medline**

(Etiology/Broad [filter]) AND (((("Diarrhea"[Majr]) OR "Gastroenteritis"[Majr]) AND "Handwashing"[Majr]) Systematic [sb] AND ((((((("Diarrhea"[Majr]) AND "Handwashing"[Majr])))

#### **Base de datos: Cochrane**

"handwashing **in** Title, Abstract or Keywords **and** diarrhea **in** Title, Abstract or Keywords **in** Cochrane Database of Systematic Reviews"

"handwashing **in** Title, Abstract or Keywords **and** diarrhea **in** Title, Abstract or Keywords **in** Database of Abstracts of Reviews of Effects"

"handwashing **in** Title, Abstract or Keywords **and** diarrhea **in** Title, Abstract or Keywords **in** Cochrane Central Register of Controlled Trials"

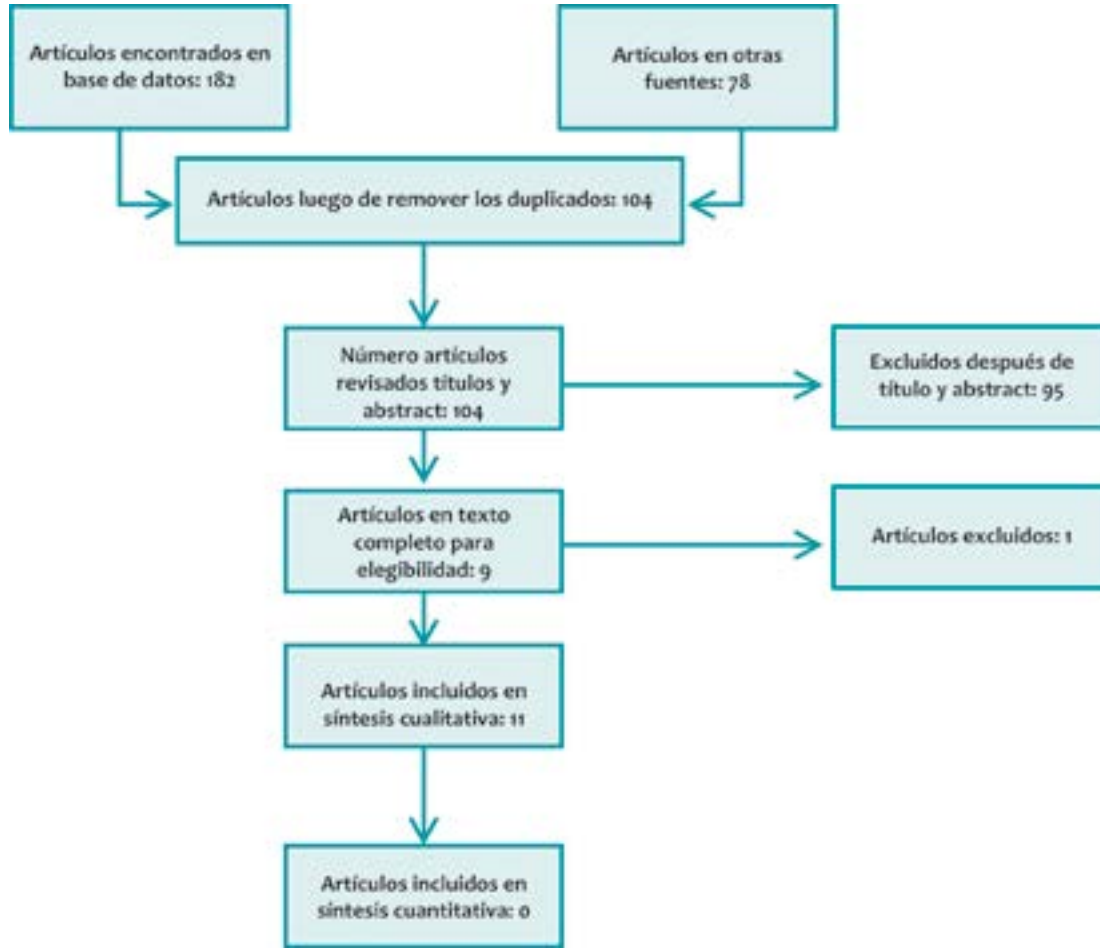
#### **Base de datos: Bireme**

mh:"diarrhea" AND "handwashing" AND infant OR child preschool

#### **Base de datos: Búsqueda apoyo Centro Cochrane**

(((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh]) AND (Handwashing[Mesh] OR handwash\*[tiab] OR Hand wash\*[tiab] OR Hand Disinfect\* [tiab] OR clean hands[tiab] OR hand hygien\*[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711])

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8. ¿Cuál es la mejor intervención educativa o la mejor forma de promover prácticas educativas (videos, folletos, esquemas, dibujos, charlas comunitarias, etc.) dirigidas a los padres, a la familia y a la comunidad, para prevenir la diarrea o para disminuir la incidencia/prevalencia de EDA y las complicaciones de la enfermedad?

### ***Estrategias de búsqueda***

#### **Base de datos: Embase**

- 1 patient educational.mp. 215
- 2 diarrhea/pc [Prevention] 3153
- 3 1 and 2 0
- 4 education program/ or educational intervention.mp. 34522
- 5 1 or 4 34715
- 6 2 and 5 12

**Base de datos: Medline**

educational intervention AND Diarrhea/prevention & control\*

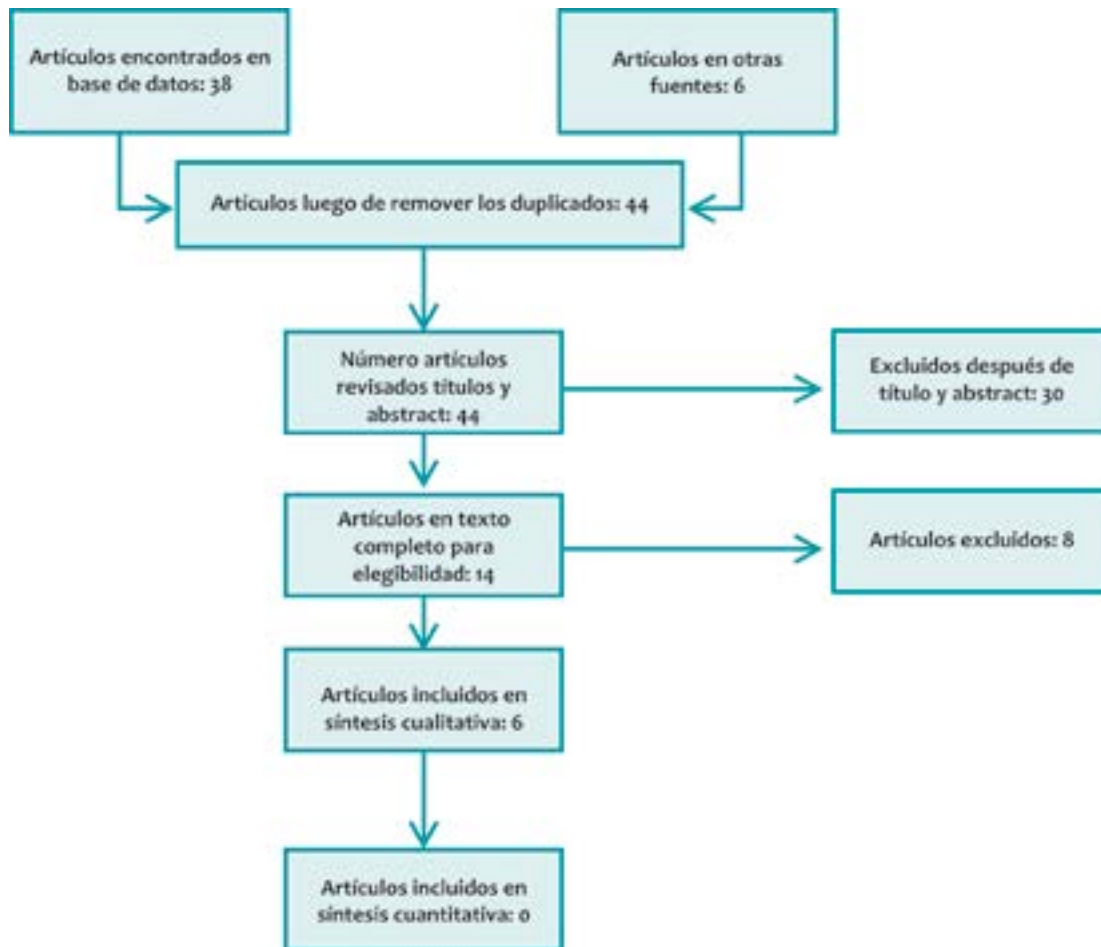
**Base de datos: Lilacs**

educational intervention AND diarrea

**Apoyo Búsqueda Centro Cochrane**

((((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh]) AND (Health Education[Mesh] OR Health Promotion[Mesh] OR Health education[tiab] OR Health campaign\*[tiab] OR Preventive campaign\*[tiab] OR Awareness campaign\*[tiab] OR educative intervent\*[tiab] OR Health promotion\*[tiab]))) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711]))

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## **9. ¿Cuáles son los factores de riesgo para complicaciones (deshidratación, hospitalización, diarrea persistente, desnutrición, muerte, entre otros) que existen en los niños menores de 5 años con EDA?**

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

#1 'clinical-study'/exp OR 'case-control study'/exp OR 'family-study'/exp OR 'longitudinal-study'/exp OR 'retrospective-study'/exp OR ('prospective-study'/exp NOT 'randomized-controlled trials'/exp) OR 'cohort analysis'/exp OR cohort NEXT/1 (study OR studies) OR ('case control' NEXT/1 (study OR studies)):ab,ti OR ('follow up' NEXT/1 (study OR studies)):ab,ti OR (observational NEXT/1 (study OR studies)):ab,ti OR (epidemiologic\* NEXT/1 (study OR studies)):ab,ti OR ('cross-sectional' NEXT/1 (study OR studies)):ab,ti  
5,923,514

#2 'acute diarrhea'/exp AND ([infant]/lim OR [preschool]/lim OR [school]/lim OR [child]/lim) AND [humans]/lim 955

#3 #1 AND #2 796

#4 'risk factor'/exp 477,557

#3 AND #4 35

#### **Base de datos: Medline**

child preschool OR infant AND diarrhea AND "risk factor" NOT hiv

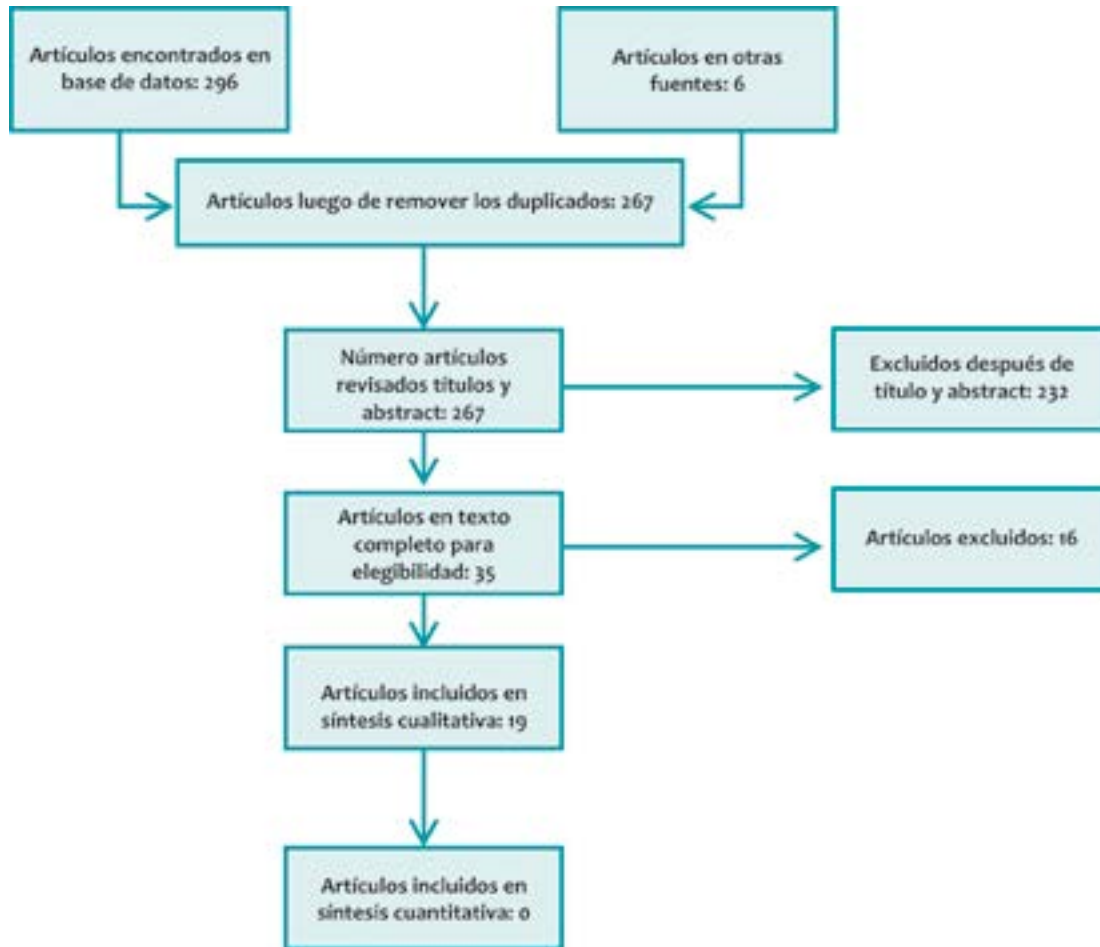
Base de datos: Lilacs

diarrhea AND risk factor OR contaminated water OR contaminated food OR handwashing > Diarrea Infantil

#### **Búsqueda Apoyo Centro Cochrane**

((((Diarrhea [Mesh] OR Rotavirus [Mesh] OR Colitis [Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh])) AND (Risk Factors[Mesh] OR risk factor\*[tiab] OR predict\*[tiab] OR determinant\*[tiab] OR correlate\*[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711]))

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## Diagnóstico y evaluación clínica

10. ¿En los niños menores de 5 años con EDA, cuáles son los microorganismos etiológicos más frecuentes en el mundo y en el país?

### Estrategias de búsquedas

#### Base de datos: Medline

Estudios observacionales:

(((((("Infant"[Mesh]) OR "Child, Preschool"[Mesh])) AND (((("Diarrhea"[Mesh]) OR "Diarrhea/etiology"[Mesh]) OR "Diarrhea/epidemiology"[Mesh]) OR "Gastroenteritis"[Mesh]) OR "Dysentery"[Mesh]))) AND (((((((((((("Escherichia coli"[Mesh]) OR "Salmonella"[Mesh]) OR "Shigella"[Mesh]) OR "Bacteria"[Mesh]) OR "Enterovirus"[Mesh]) OR "Enterovirus Infections"[Mesh]) OR "Adenoviridae Infections"[Mesh]) OR "Adenoviridae"[Mesh]) OR "Rotavirus"[Mesh]) OR "Amoeba"[Mesh]) OR "Giardia"[Mesh]))) AND observational study

(Etiology/Narrow[filter]) AND ((((((“Infant”[Mesh]) OR “Child, Preschool”[Mesh])) AND ((((((“Diarrhea”[Majr]) OR “Diarrhea/etiology”[Majr]) OR “Diarrhea/epidemiology”[Majr]) OR “Gastroenteritis”[Majr]) OR “Dysentery”[Majr]))) AND (((((((((((“Escherichia coli”[Majr]) OR “Salmonella”[Majr])) OR “Shigella”[Majr]) OR “Bacteria”[Majr]) OR “Enterovirus”[Majr]) OR “Enterovirus Infections”[Majr]) OR “Adenoviridae Infections”[Majr])) OR “Adenoviridae”[Majr])) OR “Rotavirus”[Majr]) OR “Amoeba”[Majr]) OR “Giardia”[Majr]))))

Limits Activated: Clinical Trial, Randomized Controlled Trial, Controlled Clinical Trial

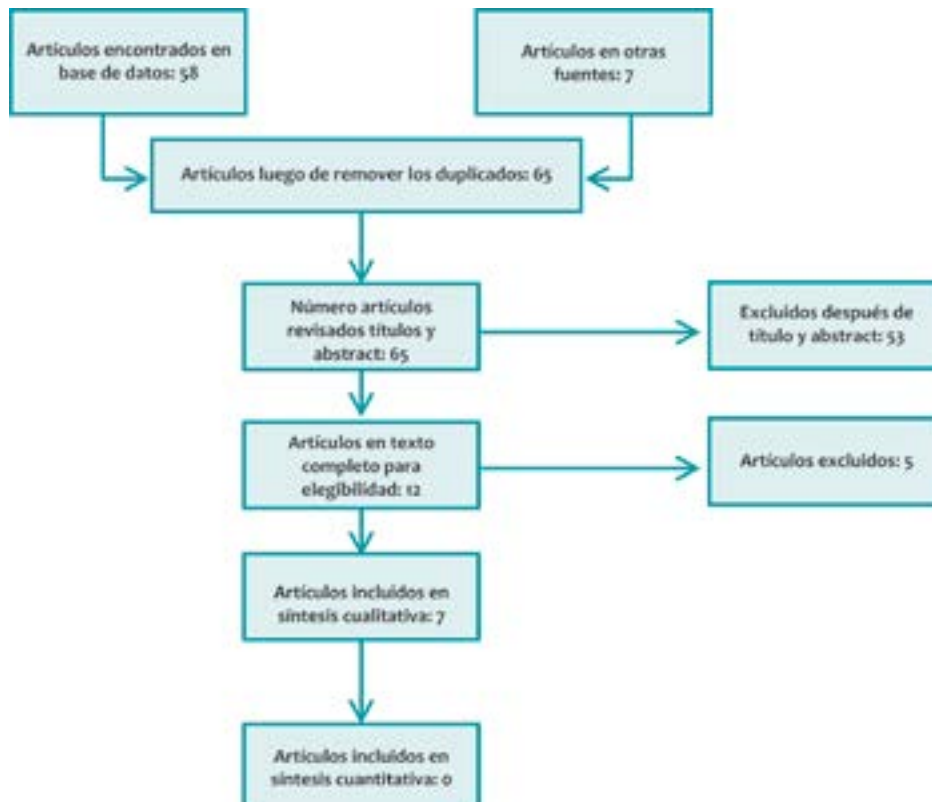
### Base de datos: Lilacs

child OR infant AND Escherichia coli OR Salmonella OR Shigella OR Bacteria OR Enterovirus OR rotavirus AND diarrhea

### Búsqueda Centro Cochrane

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh]) AND (Causality[Mesh] OR etiolog\*[tiab] OR causa\*[tiab] OR Predisposing Factor[tiab] OR determinan\*[tiab] OR predictor\*[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR “Cochrane Database Syst Rev”[Journal: \_jrid21711])

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## 11. ¿Cuáles son las indicaciones de paraclínicos?

11.1. ¿En los niños menores de 5 años con EDA, cuál es la precisión diagnóstica de la sangre visible en heces, lactoferrina, el conteo de leucocitos en materia fecal, azúcares reductores, sangre oculta o el pH, en comparación con el cultivo de materia fecal para detectar infección bacteriana invasora?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

\*diarrhea/ OR \*infantile diarrhea/ OR \*enterohemorrhagic Escherichia coli/ OR \*Shiga toxin producing Escherichia coli/ OR \*enteropathogenic Escherichia coli/ OR \*enterotoxigenic Escherichia coli/ OR \*Escherichia coli/ OR \*dysentery/ OR \*colitis/ OR \*Salmonella/ OR \*salmonellosis/ OR \*Salmonella typhi/ OR \*Shigella/ OR \*gastroenteritis/ OR \*Transmissible gastroenteritis virus/ OR \*shigellosis/ OR \*dysentery/ AND \*occult blood/ OR \*leukocyte/ OR \*lactoferrin/ OR Clinitest.mp. OR \*leukocyte count/ OR \*lactoferrin/ OR guaiac test.mp. OR fecal reducing sugar.mp. OR fecal occult Blood.mp. OR visible blood.mp. AND \*diagnostic test/ OR \*physical examination/ OR Sensitivity.mp. OR Specificity.mp. OR Predictive Value of Tests.mp. OR Reproducibility of Results.mp. OR False Positive Reactions.mp. OR False Negative Reactions. mp. OR \*diagnosis/ OR \*diagnostic test/ OR clinical diagnostic.mp. OR \*physical examination/

#### **Base de datos: Medline**

("Diarrhea"[Mesh] OR "Diarrhea, Infantile"[Mesh] OR "Enterohemorrhagic Escherichia coli"[Mesh] OR "Shiga-Toxigenic Escherichia coli"[Mesh] OR "Enteropathogenic Escherichia coli"[Mesh] OR "Enterotoxigenic Escherichia coli"[Mesh] OR "Escherichia coli"[Mesh] OR "Dysentery"[Mesh] OR "Colitis" OR ("Salmonella"[Mesh] OR "Salmonella Infections"[Mesh] OR "Salmonella typhi"[Mesh]) OR "Shigella"[Mesh] OR "Gastroenteritis"[Mesh] OR "Transmissible gastroenteritis virus"[Mesh] OR "Dysentery, Bacillary"[Mesh] OR "dysentery" OR "diarr\*") AND ("Occult Blood"[Mesh] OR "Lactoferrin"[Mesh] OR "Leukocytes"[Mesh] OR "Clinitest"[Supplementary Concept] OR "leucocyte count" OR leucoc\* OR lactoferrin OR lactofer\* OR "guaiac test" OR "fecal reducing sugar" OR "fecal occult Blood" OR "visible blood") AND ((((((("Diagnostic Tests, Routine"[Mesh]) OR "Physical Examination"[Mesh]) OR "Sensitivity and Specificity"[Mesh]) OR "Predictive Value of Tests"[Mesh]) OR "Reproducibility of Results"[Mesh]) OR "False Positive Reactions"[Mesh]) OR "False Negative Reactions"[Mesh] OR "diagnostic" OR "diagnostic Test" OR "clinical diagnostic" OR "diagn\*" OR "physical examination") AND (infant OR "child preschool" OR child\*)) NOT Eosinophilic Esophagitis NOT Esophagitis NOT appendicitis

#### **Base de datos: Lilacs**

occult blood AND diarrhea

leukocyte AND diarrhea

fecal occult Blood AND diarrhea

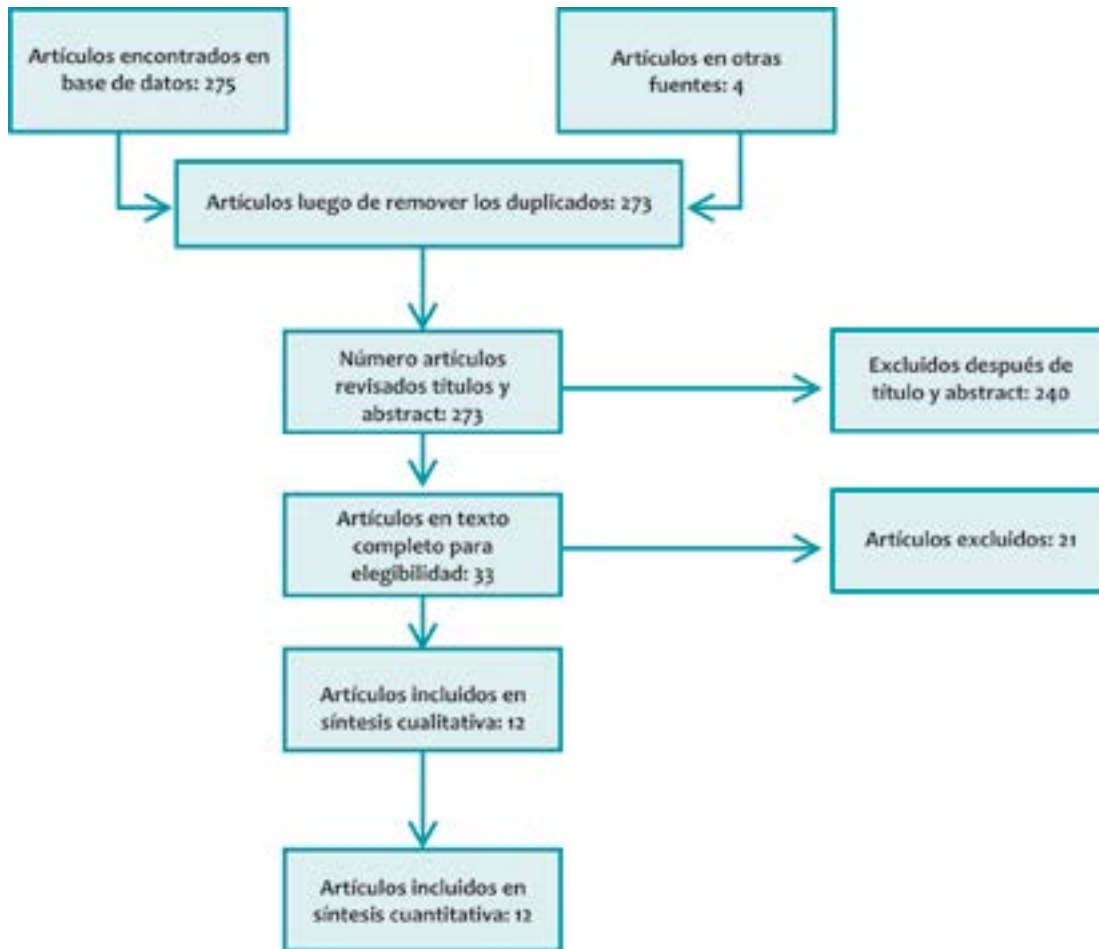
#### **Búsqueda Apoyo Centro Cochrane**

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh]) AND (Sensitivity and Specificity[Mesh] OR Diagnosis[Mesh] OR sensitivity\*[tiab] OR specificit\*[tiab]) AND (systematic review[tiab] OR Meta-



Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711])

Flujograma proceso de revisión



11.2. ¿Cuáles son las indicaciones para solicitar un estudio de materia fecal (coprológico, coprograma, coprocópico, directo de materia fecal) en los niños menores de cinco años con EDA?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

#1 'preschool child'/exp OR 'infant'/mj AND 'diarrhea'/exp OR 'gastroenteritis'/exp OR 'dysentery'/exp 27,997

#2 coprocult\* 330

#3 coprogram\* 7

#4 coprolog\* 628

#5 coproscop\* 155

#6 'feces culture'/mj 309

#7 #2 OR #3 OR #4 OR #5 1,105

#10 #6 OR #7 1,395

#11 #1 AND #10 80

### **Base de datos: Medline**

((("Infant"[Mesh] OR "Child, Preschool"[Mesh] OR "Infant, Newborn"  
[Mesh] AND (((("Diarrhea, Infantile"[Majr]) OR "Diarrhea"[Majr])) OR  
"Rotavirus Infections"[Majr]) OR "Dysentery"[Majr])) AND  
(ova detection OR parasites detection stool culture OR fecal culture  
OR Stool ova and parasites exam)) AND ((("Review"[Publication Type])  
OR "Meta-Analysis"[Publication Type]) OR "Cohort Studies"[Mesh]) NOT  
Malnutrition

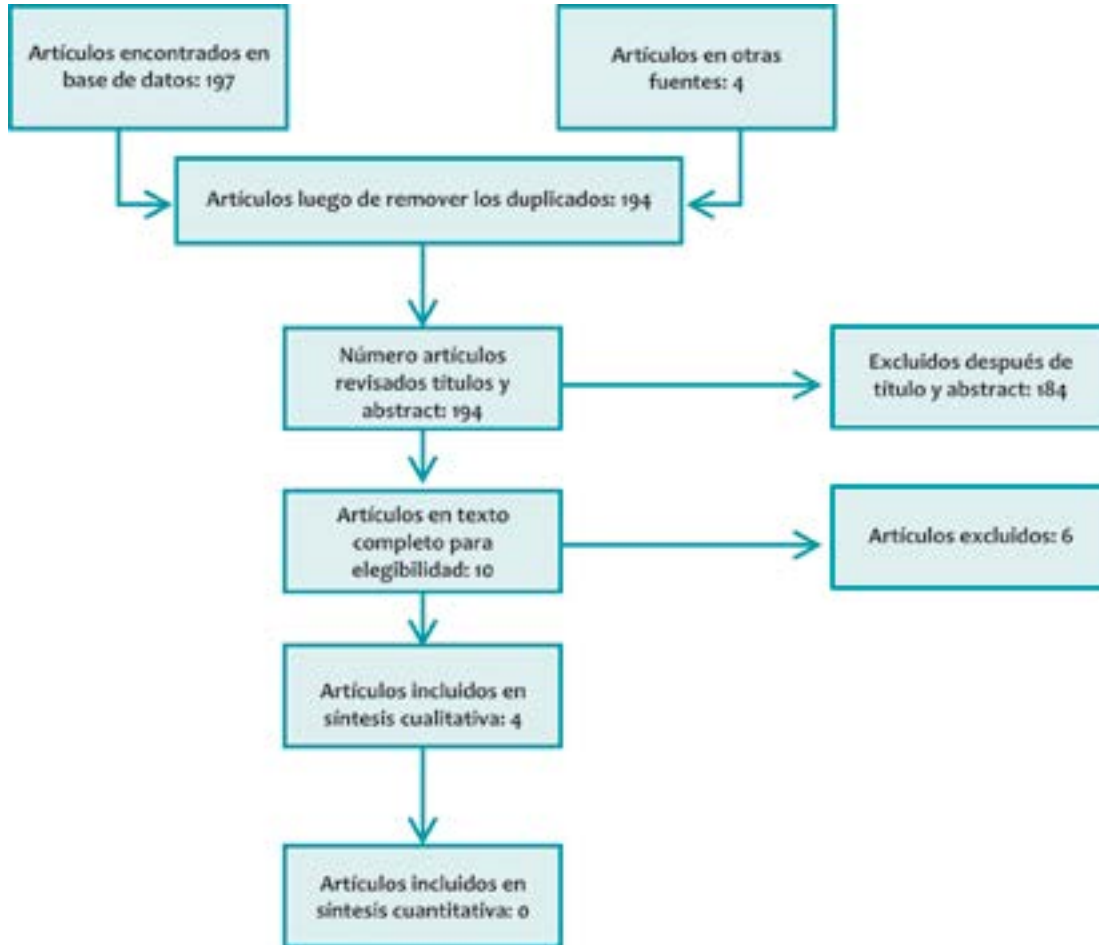
### **Base de datos: Lilacs**

coprocult\* AND diarrhea AND infant OR child preschool  
stool culture AND diarrhea AND infant OR child preschool

### **Apoyo Centro Cochrane**

((Diarrhea/diagnosis[Mesh] OR Rotavirus infections/diagnosis[Mesh] OR Colitis/diagnosis[Mesh])  
OR (((diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab]))) AND diagnos\*[tiab]) AND  
(Infant[Majr] OR Child, Preschool[Mesh])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-  
Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal: \_jrid21711])

Flujograma proceso de revisión



12. ¿En los niños menores de 5 años de edad con EDA, cuál es la precisión diagnóstica de los signos y síntomas que permiten evaluar la presencia y la gravedad de la deshidratación?

Para la búsqueda de información para esta pregunta se actualizó la estrategia de búsqueda de la guía de NICE (1) a septiembre del año 2011, las recomendaciones de la guía Lozano (2) y una búsqueda manual, encontrando a partir de esta última sólo un artículo (3) que cumpla con los requisitos mínimos.

**Estrategia de búsqueda**

**Base de datos: Medline**

- 1 GASTROENTERITIS/
- 2 gastroenteritis.ab,ti.
- 3 DIARRHEA/
- 4 DIARRHEA, INFANTILE/

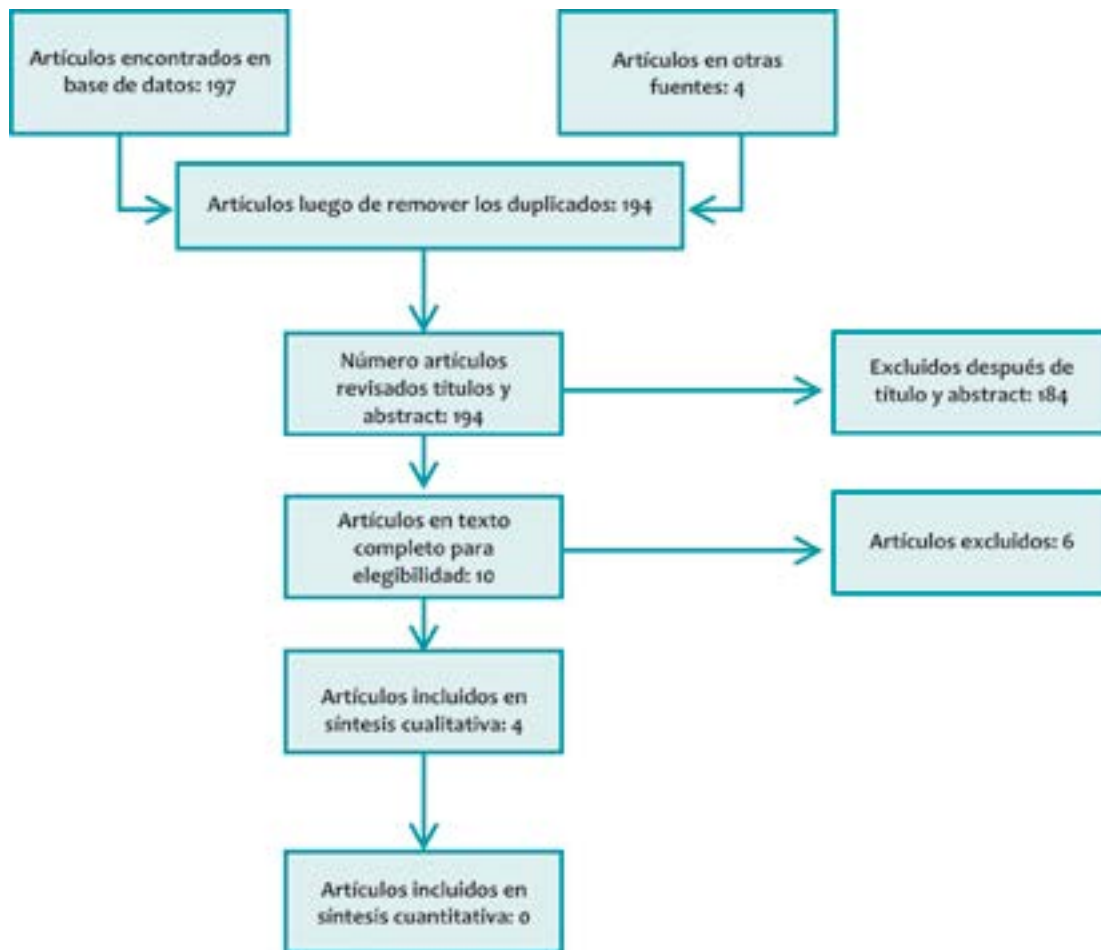
- 11341 Advanced
- 12080 Advanced
- 35890 Advanced
- 6346 Advanced

5 diarrh?ea?.ab,ti.	68635 Advanced
6 or/1-5	94614 Advanced
7 DEHYDRATION/	9653 Advanced
8 dehydrat\$.ab,ti.	27335 Advanced
9 or/7-8	32305 Advanced
10 HYPERNATREMIA/	1945 Advanced
11 hypernatr\$.ab,ti.	2122 Advanced
12 dysnatr\$.ab,ti.	65 Advanced
13 or/10-12	2942 Advanced
14 exp "SIGNS AND SYMPTOMS"/	1458107 Advanced
15 (signs or symptom? or symptomology).ab,ti.	701919 Advanced
16 (diagnostic feature? or clinical feature? or characteristic?).ab,ti.	810205 Advanced
17 (physical finding? or physical feature?).ab,ti.	4618 Advanced
18 (dough\$ adj3 skin).ab,ti.	6 Advanced
19 (weight loss or loss of weight).ab,ti.	47304 Advanced
20 oliguria.ab,ti.	2203 Advanced
21 (sunken adj3 (eyes or fontanel\$)).ab,ti.	45 Advanced
22 (letharg\$ or listless\$).ab,ti.	5152 Advanced
23 or/14-18	2725028 Advanced
24 or/14-22	2743078 Advanced
25 SEVERITY OF ILLNESS INDEX/	142008 Advanced
26 (severity or worsening)	13485 Basic
27 serious\$.ab,ti.	164818 Advanced
28 (magnitude or intensity).ab,ti.	358347 Advanced
29 (degree adj3 dehydrat\$).ab,ti.	218 Advanced
30 (concern? or danger? or gravity).ab,ti.	189024 Advanced
31 or/25-30	839429 Advanced
32 and/6,9	3524 Advanced
33 and/24,31	203636 Advanced
34 and/32-33	334 Advanced
35 limit 34 to "all child (0 to 18 years)"	254 Advanced
36 (letter or comment or editorial).pt.	1182129 Advanced
37 35 not 36	250 Advanced
38 limit 37 to english language	216 Advanced
39 and/6,13	301 Advanced
40 and/23,39	219 Advanced
41 limit 40 to "all child (0 to 18 years)"	184 Advanced
42 (letter or comment or editorial).pt.	1182129 Advanced
43 (41 not (letter or comment or editorial)).pt.	172 Advanced
44 limit 43 to english language	145 Advanced
45 or/38,44	346 Advanced
46 limit 45 to yr="2008 - 2011"	50 Advanced

**Base de datos: Embase**

#1 'gastroenteritis'/de	15,336
#2 'acute gastroenteritis'/exp	2,026
#3 'infantile gastroenteritis'/exp	218
#4 'viral gastroenteritis'/exp	852
#5 gastroenterit\$.tw.	0
#6 'infantile diarrhea'/exp	4,142
#7 diarrh?ea?.tw.	683
#8 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7	22,532
#9 'dehydration'/exp	23,323
#10 dehydrat\$.tw.	0
#11 #9 OR #10	23,323
#12 dysnatr\$.tw.	0
#13 'hypernatremia'/exp	3,637
#14 #12 OR #13	3,637
#15 signs OR symptom? OR symptomology	846,410
#16 'diagnostic feature? or clinical feature? or characteristic?'	0
#17 'clinical features'/exp	450,425
#18 'vital sign'/exp	5,801
#19 'symptom'/exp	81,974
#20 'dough\$ adj3 skin'	0
#21 'weight loss or loss of weight':ab,ti	0
#22 oliguria:ab,ti	2,805
#23 sunken:ab,ti AND adj3:ab,ti AND (eyes:ab,ti OR fontanel\$:ab,ti)	0
#24 letharg\$:ab,ti OR listless\$:ab,ti	67
#25 #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24	1,247,412
#26 #15 OR #16 OR #17 OR #18 OR #19 OR #20	1,245,134
#27 'disease severity'/exp	955,163
#28 'severity worsening':ab,ti	5
#29 seriousness:ab,ti	4,708
#30 'magnitude or intensity':ab,ti	2
#31 'degree adj3 dehydrat\$'	0
#32 'concern? or danger? or gravity':ab,ti	0
#33 'clinical global impression scale'/exp	3,021
#34 #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33	961,499
#35 #8 AND #11	1,315
#36 #25 AND #34	155,759
#37 #35 AND #36	74
#38 #25 AND #34	155,759
#39 #8 AND #14	129
#40 #26 AND #39	13
#41 #37 OR #40	86

#42 #37 OR #40 AND [english]/lim AND  
([infant]/lim OR [preschool]/lim) AND [2008-2011]/py



13. ¿Cuál es el ámbito en el que se debe realizar el manejo y la vigilancia del niño menor de cinco años con EDA?

13.1. ¿Cuáles son los criterios para realizar tratamiento intrahospitalario?

13.2. ¿Cuáles son los criterios para trasladar a los niños con EDA a un mayor nivel de complejidad/atención en salud?

13.3. ¿Cuáles son las indicaciones para dar de alta un niño con EDA que estuvo en urgencias u hospitalizado?

### ***Estrategias de búsqueda***

#### **Base de datos: Embase**

#1 'infant'/exp OR 'preschool child'/exp AND 'diarrhea'/exp OR 'gastroenteritis'/exp OR 'dysentery'/exp 33,665

#2 'secondary prevention'/mj OR 'prevention and control'/mj OR 'therapy'/mj OR 'disease management'/mj 40,320

#3 #1 AND #2 39

#### **Base datos: Medline**

(((((("Infant"[Mesh]) OR "Child, Preschool"[Mesh]) AND "Diarrhea"[Mesh]) OR "Gastroenteritis"[Mesh]) OR "Dysentery"[Mesh]) AND (((("Diarrhea/nursing"[Mesh]) OR ("Diarrhea/therapy"[Mesh]))) AND (((("Secondary Prevention"[Majr]) OR "prevention and control"[Subheading]) OR (((("Therapeutics"[Majr]) OR "therapy"[Subheading]) OR "Disease Management"[Mesh]))))) AND (((("Ambulatory Care"[Mesh]) OR "Outpatient Clinics, Hospital"[Mesh]) OR "Inpatients"[Mesh]) OR "Outpatients"[Mesh]) OR "Home Infusion Therapy"[Mesh])

#### **Búsqueda apoyo Centro Cochrane**

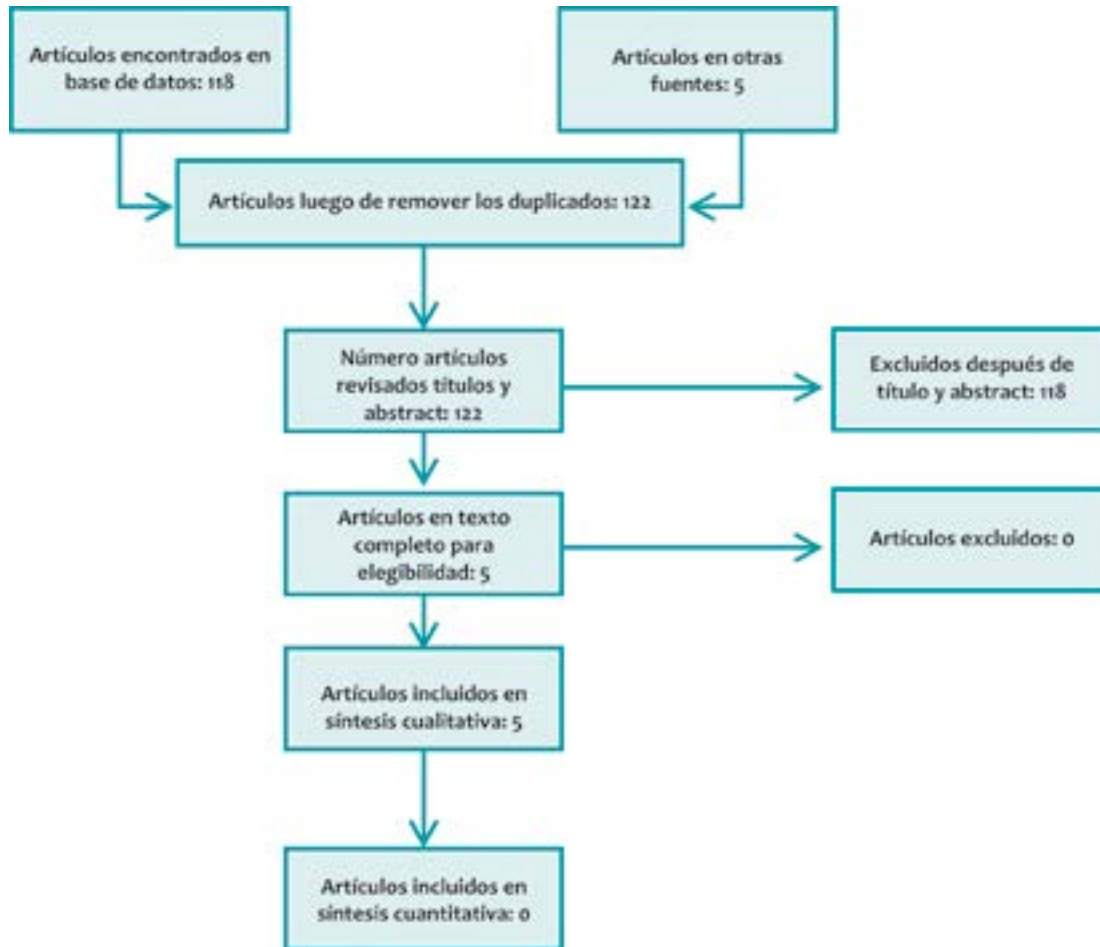
(((((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab]))) AND (Infant[Majr] OR Child, Preschool[Mesh])) AND (Inpatients[Mesh] OR inpatient\*[tiab] OR intrahospital\*[tiab] OR determinant\*[tiab] OR correlate\*[tiab] OR hospitali\*[tiab])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711])

#### **Búsqueda Lilacs**

infant OR child preschool AND diarrhea OR gastroenteritis AND therapy

infant OR child preschool AND diarrhea OR gastroenteritis AND prevention and control

Flujograma proceso de revisión





## Tratamiento

14. ¿En los niños menores de 5 años de edad con EDA sin deshidratación, ofrecer sales de rehidratación oral comparado con líquidos con base en frutas o cereales, bebidas carbonatadas, sueros hiposmolares, solución de sal y azúcar u otros líquidos con sodio y glucosa, disminuye el riesgo de deshidratación y/o evita complicaciones como hiponatremia e hipokalemia?

### *Estrategias de búsqueda*

#### **Base de datos: Embase**

#1 'oral rehydration solution'/mj OR 'breast milk'/exp OR 'osmolarity'/exp OR 'glucose'/exp OR 'rice'/exp OR 'sodium chloride'/exp OR 'carbonated beverage'/exp OR 'cereals'/exp 423,054

#2 'diarrhea'/mj OR 'rotavirus infection'/mj OR 'gastroenteritis'/mj OR 'dysentery'/mj OR 'enteritis'/mj 61,681

#3 'infant'/exp OR 'preschool child'/exp 735,785

#4 #2 AND #3 9,091

#30 #4 AND #1 AND ([cochrane review]/lim OR [controlled clinical trial]/lim OR [meta analysis]/lim OR [randomized controlled trial]/lim OR [systematic review]/lim) 64

#### **Base de datos: Medline**

((Rice-based oral rehydration solution OR Home made salt sugar solution) OR (((((((("Rehydration Solutions"[Majr]) OR "World Health Organization oral rehydration solution"[Supplementary Concept]) OR "Milk, Human"[Mesh]) OR "Osmolar Concentration"[Mesh]) OR "Glucose"[Mesh]) OR "Oryza sativa"[Mesh]) OR "Sodium Chloride"[Mesh]) OR "Carbohydrates"[Mesh]) OR "Fluid Therapy"[Majr]) OR "Dehydration/therapy"[Mesh])) AND ("Dehydration"[Majr] AND ((Clinical Trial[ptyp] OR Meta-Analysis[ptyp] OR Randomized Controlled Trial[ptyp] OR Review[ptyp] OR Controlled Clinical Trial[ptyp]))) AND (((("Infant"[Mesh]) OR "Child, Preschool"[Mesh]) AND "Diarrhea"[Mesh]) OR "Gastroenteritis"[Mesh]) OR "Dysentery"[Mesh]) OR "rotavirus infections"[Mesh])

Limits: Clinical Trial, Meta-Analysis, Randomized Controlled Trial, Review, Controlled Clinical Trial

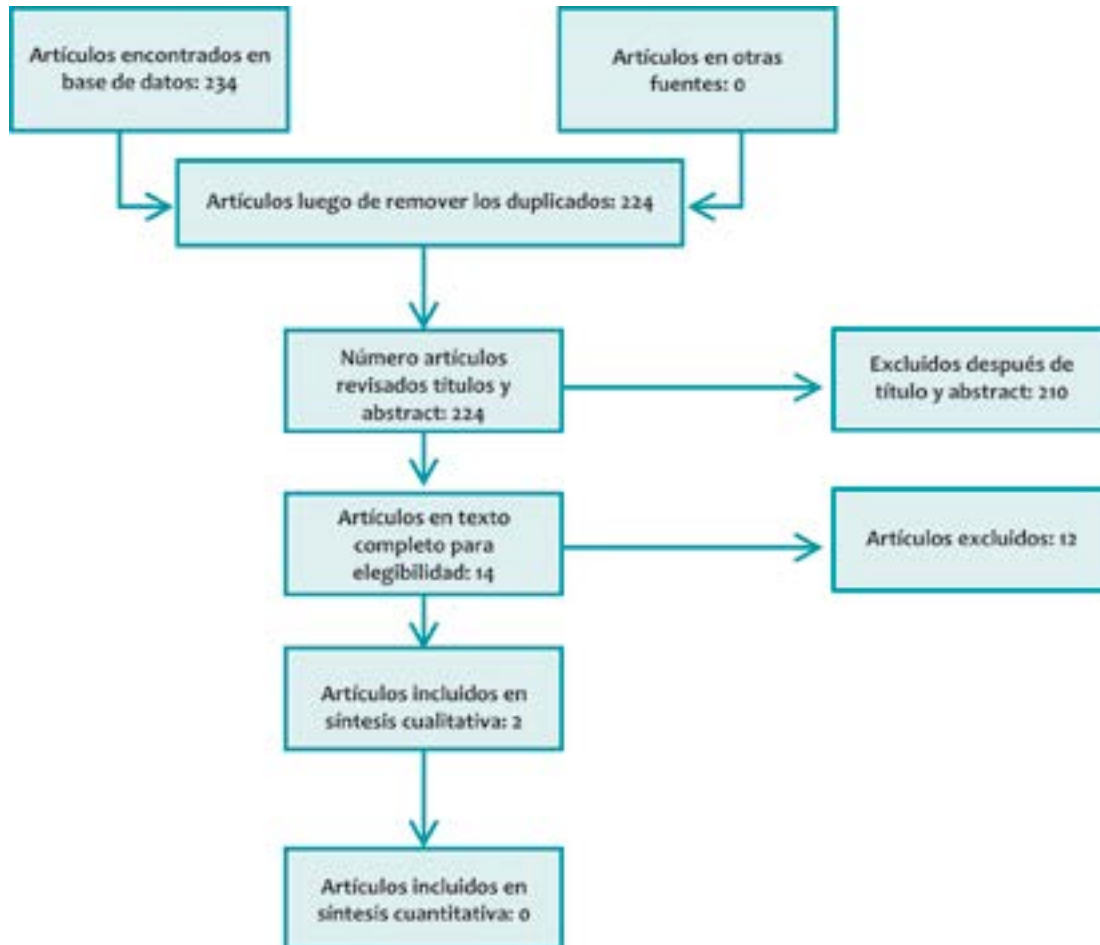
#### **Base de datos: Lilacs**

fluid therapy or rehydration solution and diarrhea

#### **Búsqueda Apoyo Centro Cochrane**

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh]) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711]) AND (Fluid Therapy[Mesh] OR Rehydrat\*[tiab] OR Fluid Therap\*[tiab])

Flujograma del proceso de búsqueda



15. ¿En los niños menores de 5 años con EDA que necesitaron rehidratación con líquidos endovenosos, continuar con sales de rehidratación oral en comparación con los líquidos endovenosos, aumenta el riesgo de recaída en deshidratación?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

- #2 'infant'/exp OR 'preschool child'/exp AND 'diarrhea'/mj OR 'gastroenteritis'/mj 13,569
- #3 'fluid therapy'/mj OR 'intravenous administration'/mj OR 'oral rehydration solution'/mj 5,357
- #4 #2 AND #3 428
- #5 #2 AND #3 AND [meta analysis]/lim 10
- #2 'infant'/exp OR 'preschool child'/exp AND 'diarrhea'/mj OR 'gastroenteritis'/mj 13,569
- #3 'fluid therapy'/mj OR 'intravenous administration'/mj OR 'oral rehydration solution'/mj 5,357
- #4 #2 AND #3 428

#7 #2 AND #3 AND ([cochrane review]/lim OR [controlled clinical trial]/lim OR [randomized controlled trial]/lim OR [systematic review]/lim) 58

### Base de datos: Medline

systematic[sb] AND (((("Infant"[Mesh]) OR "Child, Preschool"[Majr]) AND "Diarrhea"[Majr]) AND (("Fluid Therapy"[Majr]) OR "Rehydration Solutions"[Majr]) AND ("Comparative Effectiveness Research"[Mesh] OR "Evaluation Studies as Topic"[Mesh] OR "Treatment Outcome"[Mesh]))

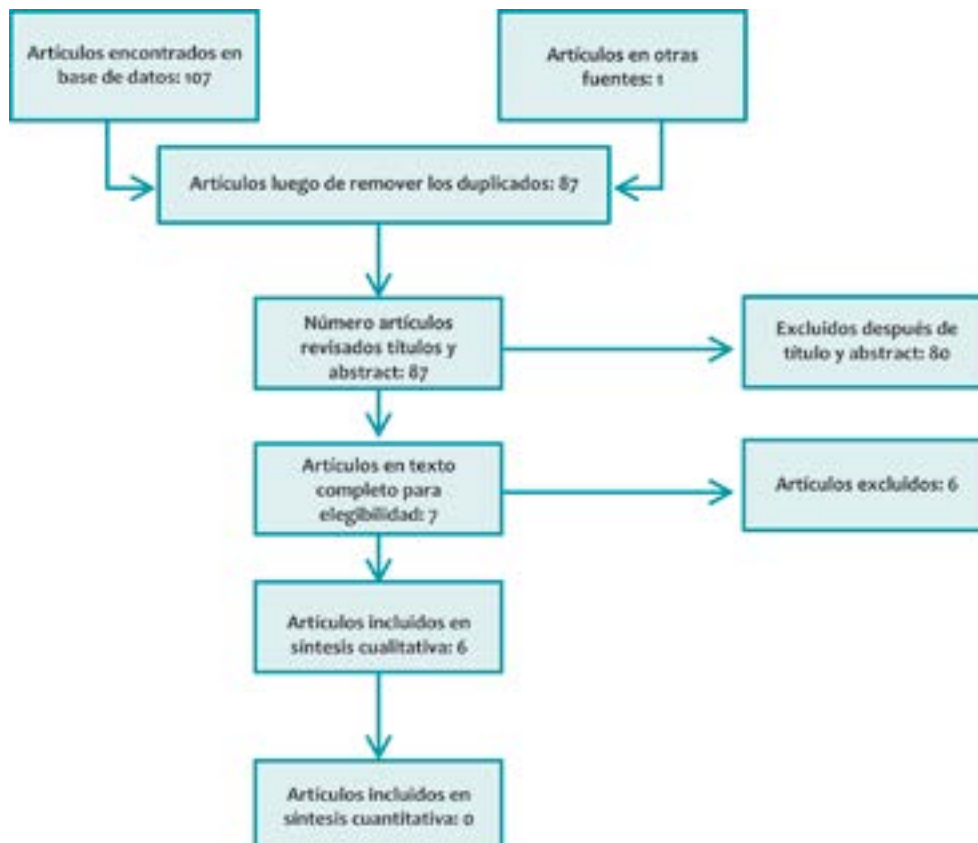
### Base de datos: Lilacs

diarrhea AND parenteral fluids OR oral rehydration solutions

### Apoyo Centro Cochrane

((("Diarrhea"[Mesh] OR Rotavirus"[Mesh] OR Colitis"[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant"[Majr] OR Child, Preschool"[Mesh])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst Rev"[Journal:\_jrid21711]) AND (Fluid Therapy"[Mesh] OR Rehydrat\*[tiab] OR Fluid Therap\*[tiab] OR Rehydration Solutions"[Mesh] OR Parenteral Nutrition Solutions"[Mesh] OR parenteral[tiab] OR Infusions, Parenteral"[Mesh]))

Flujograma proceso de revisión



16. ¿En los niños menores de 5 años con EDA y algún grado de deshidratación, realizar la rehidratación por vía oral comparado con la rehidratación por sonda gástrica y con la rehidratación por vía endovenosa, corrige la deshidratación y/o evita complicaciones como hiponatremia e hipokalemia?

Para la búsqueda de información para esta pregunta se decidió actualizar la estrategia de búsqueda propuesta en la guía de Nice(1) hasta septiembre del 2011, de igual forma, se realizó una búsqueda manual para apoyar dicha revisión.

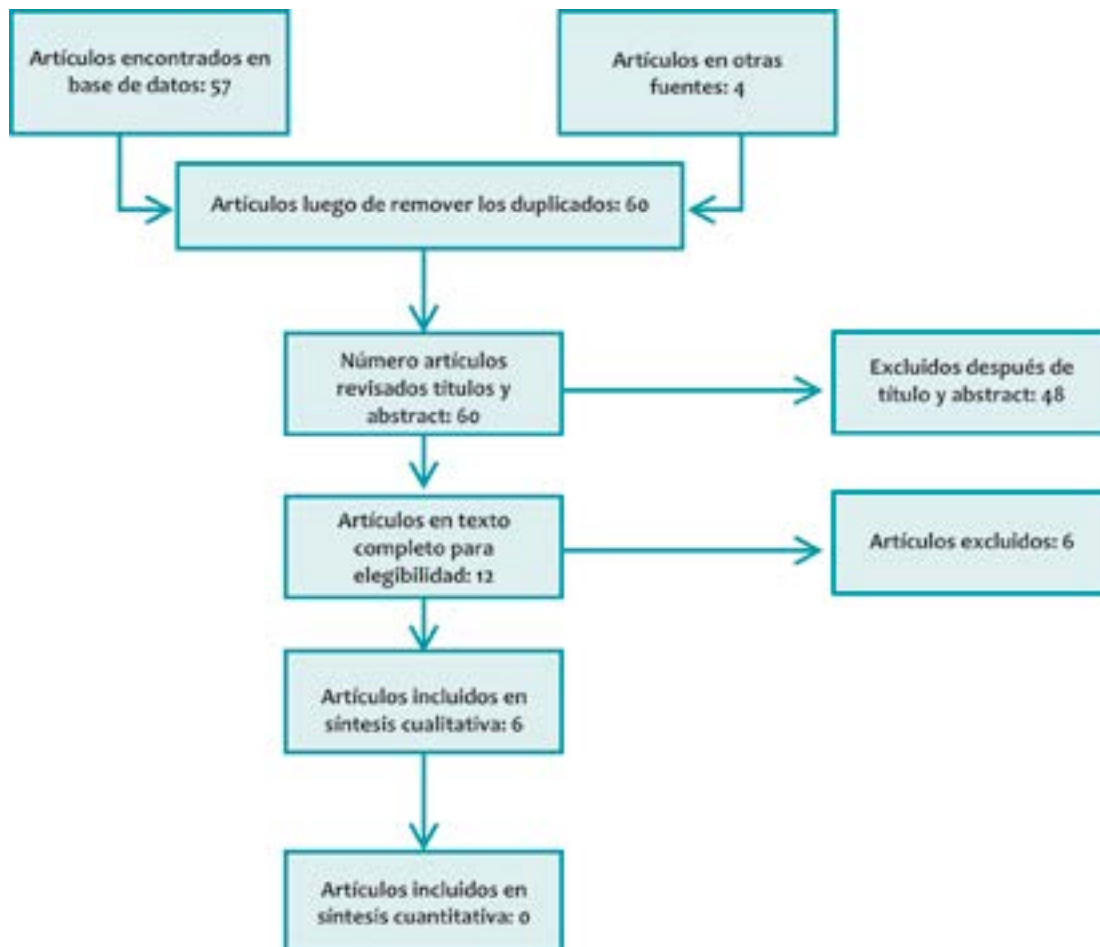
### ***Estrategia de búsqueda***

#### **Base de datos: Ovid MEDLINE(R) 2008 to September Week 4 2011**

1 neonat\$.tw.	25529
2 infan\$.tw.	36996
3 newborn\$.tw.	13018
4 (small adj2 gestational age).tw.	1232
5 (low adj birth adj weight).tw.	3055
6 (low adj birth?weight).tw.	635
7 lbw.tw.	441
8 vlbw.tw.	0
9 (baby or babies).tw.	6730
10 toddler\$.tw.	1289
11 (child adj3 (preschool or pre?school)).tw.	67
12 INFANT/	67527
13 INFANT, NEWBORN/	51820
14 CHILD, PRESCHOOL/	87415
15 (pediatri\$ or paediatri\$).ti,ab.	40913
16 or/1-15	181207
17 dehydrat\$	6316
18 GASTROENTERITIS/	1817
19 gastroenterit\$.ti,ab.	2259
20 diarrh?ea?.ti,ab.	10264
21 or/18-20	12434
22 FLUID THERAPY/	2128
23 INFUSIONS, INTRAVENOUS/	609
24 INFUSIONS, PARENTERAL/	845
25 HOME INFUSION THERAPY/	72
26 REHYDRATION SOLUTIONS/	146
27 (fluid? adj5 therap\$).ti,ab.	668
28 rehydrat\$.ti,ab.	855
29 ORT.ti,ab.	99
30 (IV or intravenous\$).ti,ab.	64272
31 (parenteral\$ or infusion?).ti,ab.	23932
32 or/22-31	86242

33 letter.pt.	117197
34 editorial.pt.	71381
35 comment.pt.	108928
36 historical article.pt.	29770
37 or/33-36	242372
38 and/16,21,32	301
39 38 not 37	295
40 limit 39 to humans	291
42 limit 41 to (clinical trial or controlled clinical trial or meta analysis or randomized controlled trial)	57

Flujograma proceso de revisión



17. ¿En los niños menores de 5 años con EDA y algún grado de deshidratación en los cuales se decide hidratación con líquidos endovenosos, administrar solución salina comparada con lactato de Ringer o solución poli electrolítica, corrige la deshidratación y/o evita complicaciones como hiponatremia e hipokalemia?

### ***Estrategias de búsqueda***

#### **Base de datos: Embase**

#7 'infant'/exp OR 'preschool child'/exp AND 'diarrhea'/exp OR 'gastroenteritis'/exp AND 'dehydration'/exp 1,643

#8 'intravenous administration'/exp/mj OR 'infusion'/exp/mj OR 'rehydration'/exp/mj OR 'ringer lactate solution'/exp/mj OR 'sodium chloride'/exp/mj OR 'parenteral solution'/exp/mj 41,368

#9 'clinical trial'/exp OR 'randomized controlled trial'/exp OR 'randomization'/exp OR 'single blind procedure'/exp OR 'double blind procedure'/exp OR 'crossover procedure'/exp OR 'placebo'/exp OR 'prospective study'/exp OR 'case study'/exp OR 'case report'/exp OR 'review'/exp OR 'systematic review'/exp 4,548,250

#7 AND #8 AND #9 72

#### **Base de datos: Medline**

(Therapy/Narrow[filter]) AND (((“Diarrhea”[Mesh]) OR “Gastroenteritis”[Mesh]) AND (((“intravenous therapy”[Mesh]) OR “Infusions, Parenteral”[Mesh] ) AND dehydration)

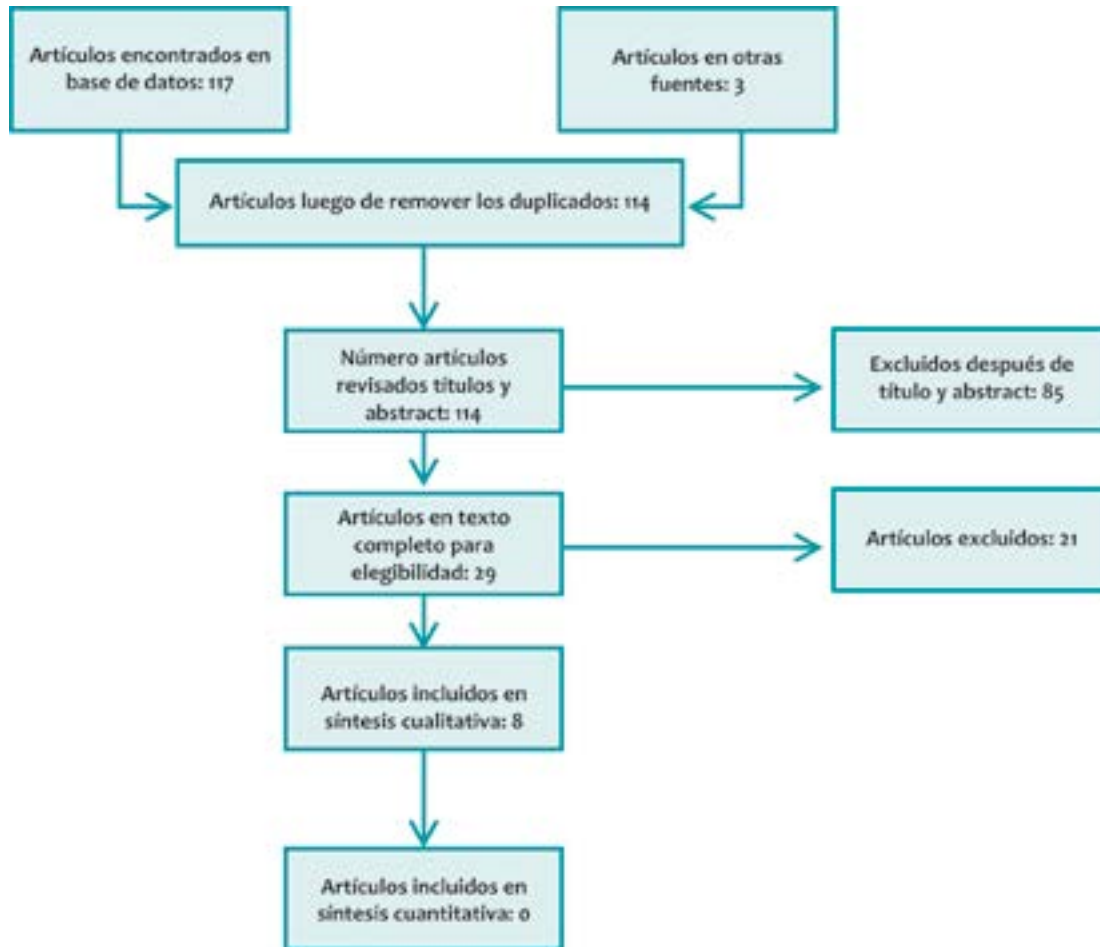
#### **Base de datos: Lilacs**

Búsqueda > parenteral rehydration AND diarrhea

#### **Apoyo búsqueda Centro Cochrane**

((((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab]))) AND (Infant[Majr] OR Child, Preschool[Mesh])) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR “Cochrane Database Syst Rev”[Journal:\_jrid21711]) AND (Parenteral Nutrition Solutions[Mesh] OR Infusions, Parenteral[Mesh] OR parenteral[tiab]))

Flujograma proceso de revisión



18. ¿En los niños menores de 5 años con EDA y deshidratación grave, administrar solución salina, comparado con lactato de Ringer, o solución poli electrolítica, corrige la deshidratación y/o evita complicaciones como hiponatremia e hipokalemia?

**Estrategias de búsqueda**

**Base de datos: Embase**

1 (((child\* and presch\*) or infant\*) and sever\* and dehydrat\* and normal\* and salin\*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword] (13) 2 (cochrane review or controlled clinical trial or meta analysis or randomized controlled trial or systematic review).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword] (435834) 3 1 and 2 (4)

**Base de datos: Medline**

(Therapy/Broad[filter]) AND (infant OR child preschool AND diarrh\* AND parenteral solutions)

**Base de datos: Cochrane**

“diarrhea in Title, Abstract or Keywords and dehydration in Title, Abstract or Keywords and parenteral solution in Title, Abstract or Keywords in Cochrane Central Register of Controlled Trials”

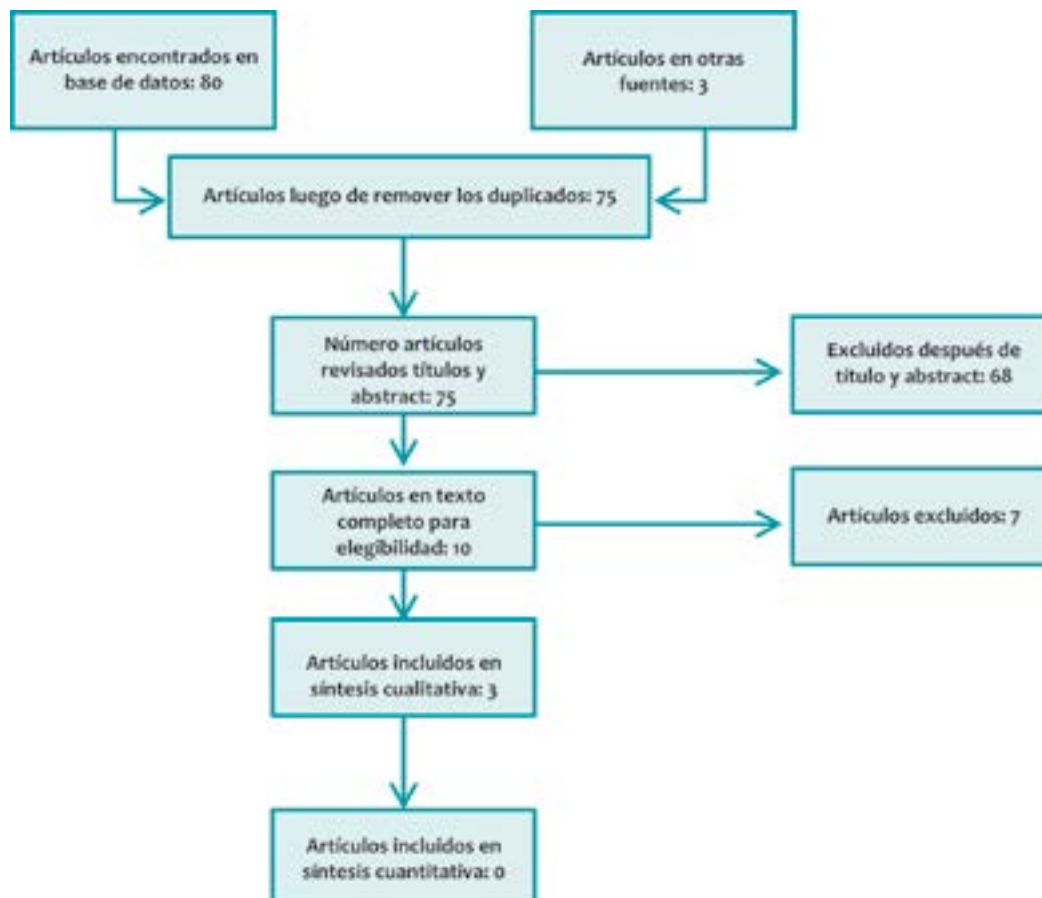
**Base de datos: Lilacs**

diarrhea AND rehydration AND parenteral solution OR intravenous therapy

**Apoyo Centro Cochrane**

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Majr] OR Child, Preschool[Mesh]) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR “Cochrane Database Syst Rev”[Journal:\_jrid21711]) AND (Dehydration[Mesh] OR dehydrat\*[tiab]) AND (Parenteral Nutrition Solutions[Mesh] OR Infusions, Parenteral[Mesh] OR parenteral[tiab])

Flujograma proceso de revisión





## Alimentación

19. ¿En niños menores de cinco años con EDA continuar la alimentación comparado con no hacerlo (recomendación de ayuno) modifica la evolución de la enfermedad?

Para la búsqueda de información para esta pregunta se actualizó la estrategia de búsqueda propuesta en la guía de Nice (1) hasta septiembre del año 2011; de igual forma, se realizó una búsqueda manual para apoyar dicha revisión.

### *Estrategia de búsqueda*

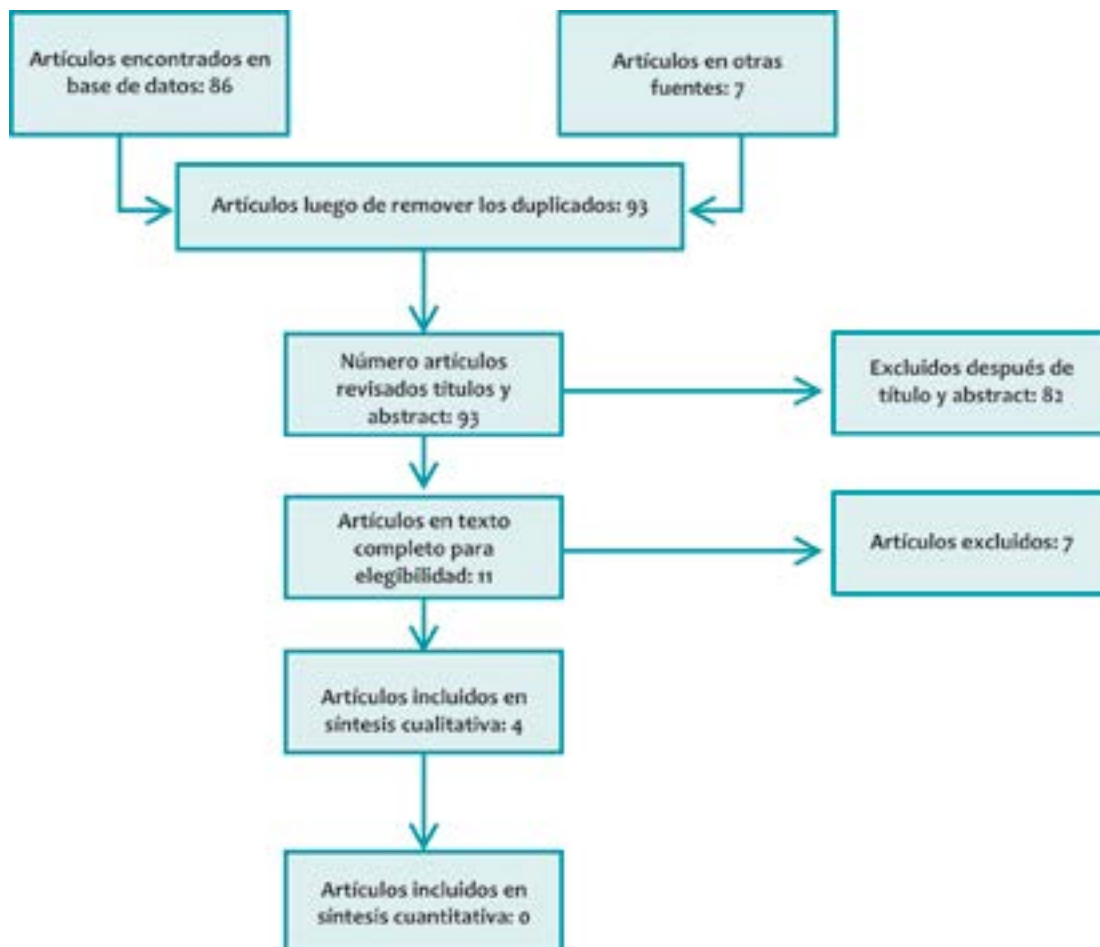
#### **Base de datos: Embase**

- 1 randomized controlled trial.pt. 317638 Advanced
- 2 controlled clinical trial.pt. 83333 Advanced
- 3 Double-Blind Method/ 112381 Advanced
- 4 Single-Blind Method/ 15616 Advanced
- 5 Random Allocation/ 72884 Advanced
- 6 Randomized Controlled Trial/ 317638 Advanced
- 7 or/1-6 466955 Advanced
- 8 ((single or double or triple or treble) adj5 (blind\$ or mask\$)).sh,tw. 111050 Advanced
- 9 Clinical Trial/ 465434 Advanced
- 10 (clinic\$ adj5 trial\$).sh,tw. 172572 Advanced
- 11 Placebos/ 30377 Advanced
- 12 placebo\$.sh,tw. 145594 Advanced
- 13 random\$.sh,tw. 698846 Advanced
- 14 clinical trial.pt. 465434 Advanced
- 15 or/8-14 1060221 Advanced
- 16 or/7,15 1076182 Advanced
- 17 Meta-Analysis/ 31064 Advanced
- 18 meta analysis.pt.  
31064 Advanced
- 19 (metaanaly\$ or meta-analy\$ or (meta adj analy\$)).sh,tw. 53109 Advanced
- 20 (systematic\$ adj5 (review\$ or overview\$)).sh,tw. 33309 Advanced
- 21 (methodologic\$ adj5 (review\$ or overview\$)).sh,tw.  
2560 Advanced
- 22 or/17-21 76827 Advanced
- 23 review\$.pt. 1651835 Advanced
- 24 (medline or medlars or embase or cinahl or cochrane or psycinfo or psychinfo or psychlit or psychlit or "web of science" or "science citation" or scisearch).tw. 48488 Advanced
- 25 ((hand or manual\$) adj2 search\$).tw. 4954 Advanced
- 26 (electronic database\$ or bibliographic database\$ or computeri?ed database\$ or online database\$).sh,tw.  
8625 Advanced
- 27 (pooling or pooled or mantel haenszel).sh,tw. 38818 Advanced

28 (peto or dersimonian or der simonian or fixed effect).sh,tw. 2103 Advanced  
29 or/24-28 89945 Advanced  
30 23 and 29 42314 Advanced  
31 or/22,30 98218 Advanced  
32 letter.pt. 729121 Advanced  
33 case report.tw. 162716 Advanced  
34 comment.pt. 456756 Advanced  
35 editorial.pt. 287409 Advanced  
36 historical article.pt. 279013 Advanced  
37 or/32-36 1518853 Advanced  
38 16 not 37 1043561 Advanced  
39 31 not 37 92909 Advanced  
40 or/38-39 1095001 Advanced  
41 infan\$.tw. 283792 Advanced  
42 neonat\$.tw. 164685 Advanced  
43 newborn\$.tw. 110033 Advanced  
44 (small adj2 gestational age).tw. 4702 Advanced  
45 (low adj birth adj weight).tw. 15667 Advanced  
46 (low adj birth?weight).tw. 5052 Advanced  
47 lbw.tw. 1808 Advanced  
48 vlbw.tw. 1946 Advanced  
49 (baby or babies).tw. 44269 Advanced  
50 toddler\$.tw. 4454 Advanced  
51 (child adj3 (preschool or pre?school)).tw. 615 Advanced  
52 Infant/579238 Advanced  
53 exp INFANT, NEWBORN/456853 Advanced  
54 Child, Preschool/ 682477 Advanced  
55 (pediatri\$ or paediatric\$).tw. 172037 Advanced  
56 or/41-55  
1420017 Advanced  
57 Gastroenteritis/ 11061 Advanced  
58 gastroenteritis.tw. 11279 Advanced  
59 Diarrhea/ 35227 Advanced  
60 DIARRHEA, INFANTILE/ 6320 Advanced  
61 diarrh?ea?.tw. 64470 Advanced  
62 or/57-61 89591 Advanced  
63 Breast Feeding/ 22904 Advanced  
64 Milk, Human/ 14040 Advanced  
65 (breastfe?d\$ or breast fe?d\$ or milk).tw. 89287 Advanced  
66 Bottle Feeding/ 3007 Advanced  
67 Infant Formula/ 1864 Advanced  
68 (bottlefe?d\$ or bottle fe?d\$).tw.  
1930 Advanced

69 Weaning/ 7702 Advanced  
70 wean\$.tw. 30063 Advanced  
71 Infant Food/ 8751 Advanced  
72 Food/ 20982 Advanced  
73 (food\$ or feed? or feeding or eat\$).tw. 368540 Advanced  
74 or/63-73 467564 Advanced  
75 and/56,62 27581 Advanced  
76 and/74-75 4534 Advanced  
77 and/40,76 706 Advanced  
78 limit 77 to (humans and yr="2010 - 2011") 45 Advanced  
79 limit 77 to (humans and yr="2008 - 2009") 41 Advanced

Flujograma proceso de revisión



20. ¿En los niños menores de dos años con EDA, continuar la lactancia materna, la fórmula infantil o las fórmulas especiales (fórmula sin lactosa, fórmula de soya, fórmulas hidrolizadas u otra) comparado con no hacerlo, modifica la evolución de la enfermedad?

Para la búsqueda de información para esta pregunta se actualizó la estrategia de búsqueda propuesta en la guía de Nice (1) hasta septiembre del año 2011; de igual forma, se realizó una búsqueda manual para apoyar dicha revisión.

### ***Estrategias de búsqueda***

#### **Base de datos: Embase**

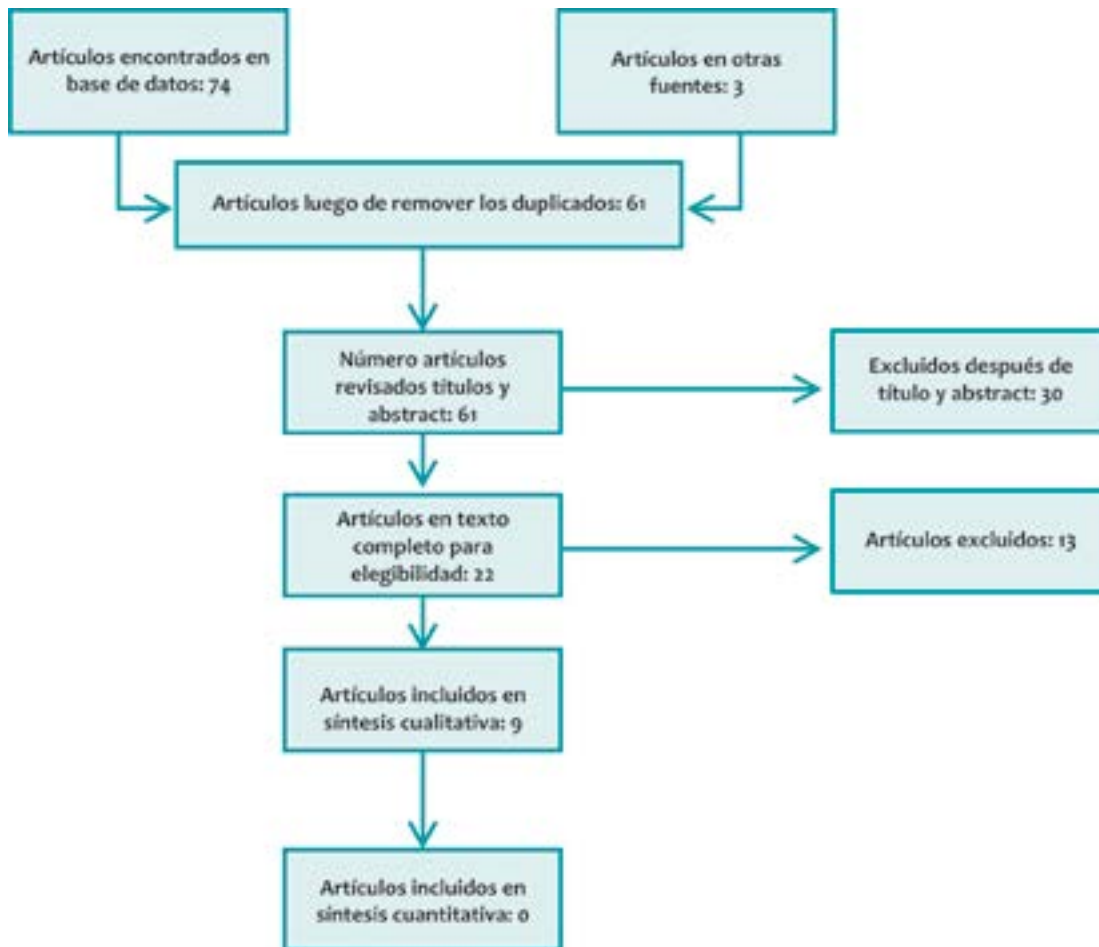
1 CLINICAL TRIALS/	10713
2 (clinic\$ adj5 trial\$.sh,tw.	227564
3 SINGLE BLIND PROCEDURE/	14825
4 DOUBLE BLIND PROCEDURE/	103106
5 RANDOM ALLOCATION/	55747
6 CROSSOVER PROCEDURE/	31887
7 PLACEBO/	192739
8 placebo\$.sh,tw.	265793
9 random\$.sh,tw.	785481
10 RANDOMIZED CONTROLLED TRIALS/	12845
11 ((single or double or triple or treble) adj (blind\$ or mask\$)).sh,tw.	134532
12 "randomi?ed control\$ trial\$".tw.	71237
13 or/1-12	1088805
14 META ANALYSIS/	58975
15 ((meta adj analy\$) or metaanalys\$ or meta-analy\$).sh,tw.	82784
16 (systematic\$ adj5 (review\$ or overview\$)).sh,tw.	59090
17 (methodologic\$ adj5 (review\$ or overview\$)).sh,tw.	3235
18 or/14-17	121797
19 review.pt.	1754134
20 (medline or medlars or embase).ab.	52657
21 (scisearch or science citation index).ab.	1953
22 (psychlit or psyclit or psychinfo or psycinfo or cinahl or cochrane).ab.	29601
23 ((hand or manual\$) adj2 search\$.tw.	6355
24 (electronic database\$ or bibliographic database\$ or computeri? ed database\$ or online database\$.tw.	11451
25 (pooling or pooled or mantel haenszel).tw.	48106
26 (peto or dersimonian or "der simonian" or fixed effect).tw.	2843
27 or/20-26	112133
28 19 and 27	43056
29 COMPARATIVE STUDY/	621315
30 (compar\$ adj5 stud\$.tw.	330920
31 CASE-CONTROL STUDY/	57566

32 RETROSPECTIVE STUDY/	250653
33 PROSPECTIVE STUDY/	182761
34 COHORT STUDY/	109567
35 (case\$ adj2 control\$.tw.	86249
36 or/29-35	1415953
37 or/13,18,28,36	2399257
38 abstract report.sh,tw.	71311
39 note.sh,tw.	509578
40 short survey.sh,tw.	474963
41 letter.sh,tw.	781916
42 editorial.sh,tw.	453290
43 or/38-42	2273437
44 37 not 43	2282793
45 NEWBORN/	429772
46 neonat\$.sh,tw.	198583
47 newborn\$.tw.	123192
48 exp CHILD/	1521872
49 infan\$.tw.	317601
50 SMALL FOR DATE INFANT/	5475
51 (small adj2 gestational age).tw.	5600
52 LOW BIRTH WEIGHT/	19901
53 VERY LOW BIRTH WEIGHT/	6625
54 (low adj birth adj weight).tw.	18316
55 (low adj birth?weight).tw.	5443
56 lbw.tw.	2198
57 vlbw.tw.	2389
58 (baby or babies).tw.	52811
59 PRESCHOOL CHILD/	438583
60 child\$.tw.	984204
61 toddler\$.tw.	5637
62 (pediatri\$ or paediatri\$.tw.	238614
63 or/45-62	2297721
64 GASTROENTERITIS/	13902
65 ACUTE GASTROENTERITIS/	1876
66 INFANTILE GASTROENTERITIS/	168
67 VIRAL GASTROENTERITIS/	805
68 gastroenterit\$.tw.	13000
69 INFANTILE DIARRHEA/	3956
70 diarrh?ea?.tw.	78753
71 or/64-70	96722
72 INFUSION/	27845
73 INFUSION FLUID/	5806
74 (IV or intravenous\$.tw.	550899

75 infusion?.tw.	212511
76 INTRAVENOUS DRUG ADMINISTRATION/	305742
77 FLUID THERAPY/	13103
78 ORAL REHYDRATION SOLUTION/	2033
79 ORAL REHYDRATION THERAPY/	1679
80 REHYDRATION/	3509
81 (fluid? adj3 (therap\$ or supplement\$)).tw.	3966
82 ORT.tw.	749
83 (rehydrat\$ or hydrat\$).tw.	44126
84 dioralyte.tw.	36
85 pedialyte.tw.	77
86 or/72-85	935995
87 BREAST FEEDING/	29815
88 BREAST MILK/	16643
89 (breastfe?d\$ or breast fe?d\$ or milk).tw.	100221
90 BOTTLE FEEDING/	3031
91 INFANT FEEDING/	4027
92 ARTIFICIAL MILK/	7485
93 SIMILAC/	59
94 (bottlefe?d\$ or bottle fe?d\$).tw.	1878
95 BABY FOOD/	4562
96 FOOD/	34341
97 WEANING/	11961
98 (food\$ or feed? or fed or feeding? or eat\$).tw.	530355
99 CEREAL/	11378
100 DIET THERAPY/	39756
101 FOOD RESTRICTION/	46786
102 diet\$.tw.	372853
103 MILK/	43358
104 SOYBEAN MILK/	580
105 BEVERAGE/	8688
106 CARBONATED BEVERAGES/	1688
107 (carbonated beverage? or soda? or fizzy drink? or fizzy beverage?).tw.	3099
108 TEA/	10179
109 (tea? or tisane?).tw.	115711
110 MINERAL WATER/	4131
111 (drink\$ adj3 water).tw.	38115
112 ELEMENTAL DIET/	2544
113 DIET SUPPLEMENTATION/	51085
114 ((milk? or formula) adj3 (soy? or rice or protein\$ or hypoallergenic\$ or lactose or amino acid? or non dairy or nondairy)).tw.	10859
115 ((earl\$ or late or delay\$) adj3 (re introduc\$ or reintroduc\$ or re feed\$ or refeed\$)).tw.	171

116 ((restrict\$ or unlimited or limited or dilute? or full strength or undilute?) adj3 (fluid? or liquid?)).tw.	2752
117 (rice or yog?urt or banana? or pasta? or low sugar or low fat or complex carb\$ or bread? or toast or cookie? or biscuit?).tw.	47346
118 wean\$.tw.	34003
119 or/87-118110	4435
120 and/	63,71 32829
121 and/86,119	54214
122 and/120-121	1178
123 and/44,122	377
124 limit 123 to (human and yr="2008 - 2011")	60

Flujograma del proceso de revisión



21. ¿En los niños entre seis meses y cinco años de edad, administrar una dieta especial durante el episodio de EDA comparado con no hacerlo, modifica la evolución de la enfermedad?

Para la búsqueda de información para esta pregunta se actualizó la estrategia de búsqueda propuesta en la guía de Nice (1) hasta septiembre de año 2011; de igual forma, se realizó una búsqueda manual para apoyar dicha revisión.

### ***Estrategias de búsqueda***

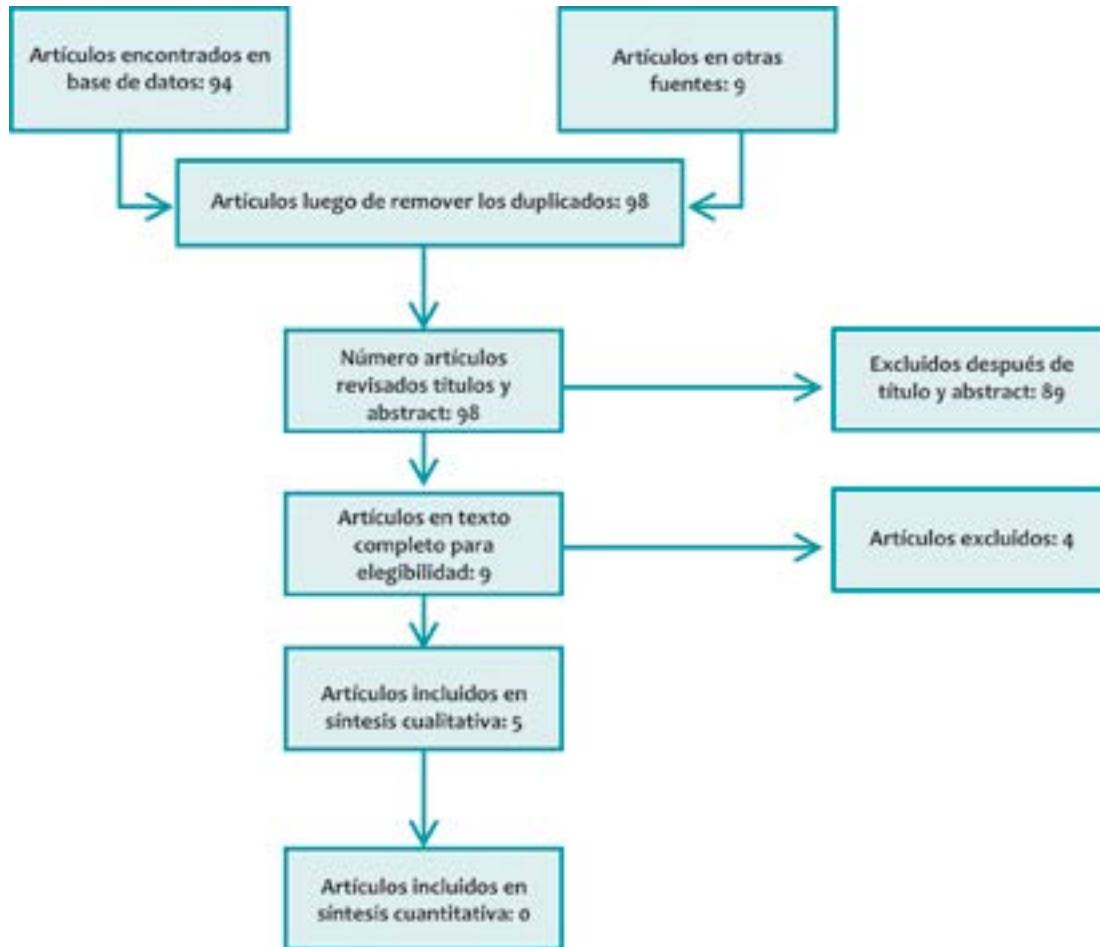
#### **Base de datos: Embase**

1 CLINICAL TRIALS/	10819
2 (clinic\$ adj5 trial\$).ti,sh,tw.	227906
3 RANDOM ALLOCATION/	55780
4 CROSSOVER PROCEDURE/	31939
5 PLACEBO/	192988
6 placebo\$.ti,sh,ab.	266094
7 random\$.ti,sh,ab.	786603
8 RANDOMIZED CONTROLLED TRIALS/	12993
9 ((single or double or triple or treble) adj (blind\$ or mask\$)).ti,sh,ab.	134645
10 randomi?ed control\$.ti,sh,ab.	349813
11 META ANALYSIS/	59066
12 ((meta adj analy\$) or metaanalys\$ or meta-analy\$).ti,sh,ab.	82938
13 (systematic\$ adj5 (review\$ or overview\$)).ti,sh,ab.	59226
14 (methodologic\$ adj5 (review\$ or overview\$)).ti,sh,ab.	3240
15 or/11-14	122039
16 review.pt.	1755472
17 (medline or medlars or embase).ab.	52769
18 (scisearch or science citation index).ab.	1956
19 (psychlit or psyclit or psychinfo or psycinfo or cinahl or cochrane).ab.	29658
20 ((hand or manual\$) adj2 search\$).tw.	6363
21 (electronic database\$ or bibliographic database\$ or computeri?ed database\$ or online database\$).tw.	11483
22 (pooling or pooled or mantel haenszel).tw.	48190
23 (peto or dersimonian or "der simonian" or fixed effect).tw.	2852
24 or/17-23	112358
25 16 and 24	43121
26 or/15,25	142539
27 case study.sh,tw.	50817
28 abstract report.sh,tw.	71313
29 note.sh,tw.	510133
30 short survey.sh,tw.	475154
31 letter.sh,tw.	782459



32 "case report".sh,tw.	1785855
33 editorial.sh,tw.	453740
34 or/27-33	3904666
35 NEWBORN/	430010
36 neonat\$.tw.	193540
37 newborn\$.tw.	123309
38 exp INFANT/	474624
39 infan\$.tw.	317908
40 SMALL FOR DATE INFANT/	5490
41 (small adj2 gestational age).tw.	5613
42 LOW BIRTH WEIGHT/	19929
43 VERY LOW BIRTH WEIGHT/	6634
44 (low adj birth adj weight).tw.	18352
45 (low adj birth?weight).tw.	5445
46 lbw.tw.	2204
47 vlbw.tw.	2395
48 (baby or babies).tw.	52892
49 PRESCHOOL CHILD/	439062
50 (child adj3 (preschool or pre?school)).tw.	652
51 toddler\$.tw.	5651
52 (pediatri\$ or paediatri\$).tw.	238971
53 or/35-52	1389161
54 GASTROENTERITIS/	13911
55 ACUTE GASTROENTERITIS/	1879
56 INFANTILE GASTROENTERITIS/	168
57 VIRAL GASTROENTERITIS/	806
58 gastroenterit\$.tw.	13015
59 INFANTILE DIARRHEA/	3959
60 diarrh?ea?.tw.	78839
61 or/54-60	96828
62 FOOD/	34409
63 WEANING/	11972
64 (food\$ or feed? or feeding or eat\$).tw.	449680
65 62 or 63 or 64	467177
66 53 and 61	24504
67 65 and 66	2829
68 15 and 67	30
69 limit 68 to yr="2008 - 2011"	9 Advanced

Flujograma proceso de revisión



22. ¿En los niños menores de cinco años con EDA cuáles son las recomendaciones de la dieta durante y después de la rehidratación?

Para la búsqueda de información para esta pregunta se actualizó la estrategia de búsqueda propuesta en la guía de Nice (1) hasta septiembre de año 2011; de igual forma, se realizó una búsqueda manual para apoyar dicha revisión.

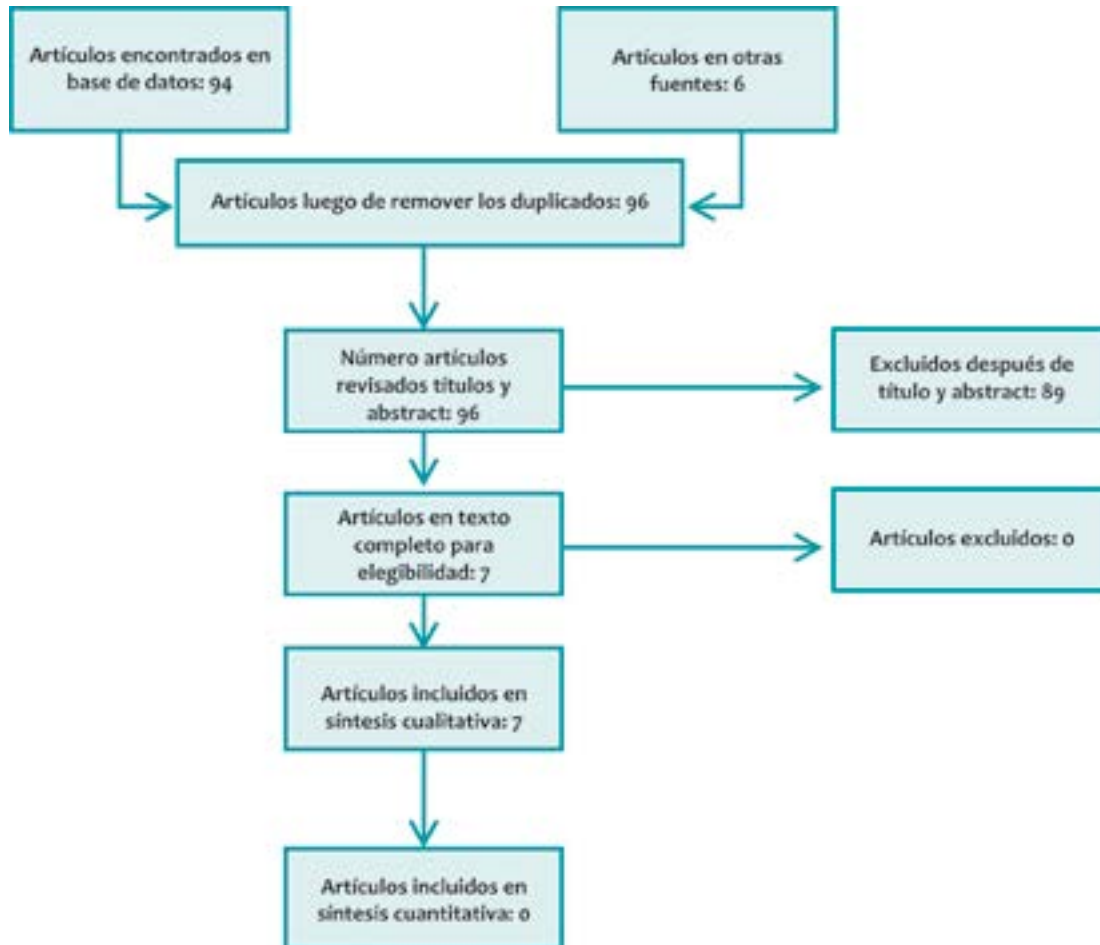
Base de datos: Embase

1 CLINICAL TRIALS/	10819
2 (clinic\$ adj5 trial\$).ti,sh,tw.	227906
3 RANDOM ALLOCATION/	55780
4 CROSSOVER PROCEDURE/	31939
5 PLACEBO/	192988

6 placebo\$.ti,sh,ab.	266094
7 random\$.ti,sh,ab.	786603
8 RANDOMIZED CONTROLLED TRIALS/	12993
9 ((single or double or triple or treble) adj (blind\$ or mask\$)).ti,sh,ab.	134645
10 randomi?ed control\$.ti,sh,ab.	349813
11 META ANALYSIS/	59066
12 ((meta adj analy\$) or metaanalys\$ or meta-analy\$).ti,sh,ab.	82938
13 (systematic\$ adj5 (review\$ or overview\$)).ti,sh,ab.	59226
14 (methodologic\$ adj5 (review\$ or overview\$)).ti,sh,ab.	3240
15 or/11-14	122039
16 review.pt.	1755472
17 (medline or medlars or embase).ab.	52769
18 (scisearch or science citation index).ab.	1956
19 (psychlit or psyclit or psychinfo or psycinfo or cinahl or cochrane).ab.	29658
20 ((hand or manual\$) adj2 search\$).tw.	6363
21 (electronic database\$ or bibliographic database\$ or computeri? ed database\$ or online database\$).tw	11483
22 (pooling or pooled or mantel haenszel).tw.	48190
23 (peto or dersimonian or "der simonian" or fixed effect).tw.	2852
24 or/17-23	112358
25 16 and 24	43121
26 or/15,25	142539
27 case study.sh,tw.	50817
28 abstract report.sh,tw.	71313
29 note.sh,tw.	510133
30 short survey.sh,tw.	475154
31 letter.sh,tw.	782459
32 "case report.".sh,tw.	1785855
33 editorial.sh,tw.	453740
34 or/27-33	3904666
35 NEWBORN/	430010
36 neonat\$.tw.	193540
37 newborn\$.tw.	123309
38 exp INFANT/	474624
39 infan\$.tw.	317908
40 SMALL FOR DATE INFANT/	5490
41 (small adj2 gestational age).tw.	5613
42 LOW BIRTH WEIGHT/	19929
43 VERY LOW BIRTH WEIGHT/	6634
44 (low adj birth adj weight).tw.	18352
45 (low adj birth?weight).tw.	5445
46 lbw.tw.	2204
47 vlbw.tw.	2395

48 (baby or babies).tw.	52892
49 PRESCHOOL CHILD/	439062
50 (child adj3 (preschool or pre?school)).tw.	652
51 toddler\$.tw.	5651
52 (pediatri\$ or paediatri\$).tw.	238971
53 or/35-52	1389161
54 GASTROENTERITIS/	13911
55 ACUTE GASTROENTERITIS/	1879
56 INFANTILE GASTROENTERITIS/	168
57 VIRAL GASTROENTERITIS/	806
58 gastroenterit\$.tw.	13015
59 INFANTILE DIARRHEA/	3959
60 diarrh?ea?.tw.	78839
61 or/54-60	96828
62 FOOD/	34409
63 WEANING/	11972
64 (food\$ or feed? or feeding or eat\$).tw.	449680
65 62 or 63 or 64	467177
66 53 and 61	24504
67 65 and 66	2829
68 15 and 67	30
69 limit 68 to yr="2008 - 2011"	9 Advanced

Flujograma proceso de revisión



## Tratamientos farmacológicos y no farmacológicos

23. ¿En niños menores de 5 años con EDA cuándo se recomienda el uso de antimicrobianos (ciprofloxacina, trimetoprim/sulfametoxazol, ácido nalidíxico, furazolidona, metronidazol u otros)?

### *Estrategias de búsqueda*

#### **Base de datos: Embase**

#12 'ciprofloxacin'/mj OR 'cotrimoxazole'/mj OR 'nalidixic acid'/mj OR 'furazolidone'/mj OR 'metronidazole'/mj 47,664

#13 'infantile diarrhea'/mj OR 'acute diarrhea'/mj OR 'diarrhea'/mj 34,703

#14 'infant'/exp OR 'preschool child'/exp 752,487

#15 #13 AND #14 7,973

#16 #12 AND #15 130

#17 #12 AND #15 AND ([cochrane review]/lim OR [controlled clinical trial]/lim OR [meta analysis]/lim OR [randomized controlled trial]/lim OR [systematic review]/lim) 17

#### **Bases de datos Medline**

(acute diarrhea children OR acute diarrhea OR acute diarrheal disease) AND (treatment) AND ((ciprofloxacin) OR (trimethoprim sulfamethoxazole) OR (nalidixic acid) OR (metronidazole))

Limits: Humans, Clinical Trial, Meta-Analysis, Randomized Controlled Trial, Review, Controlled Clinical Trial, Infant: 1-23 months, Preschool Child: 2-5 years

#### **Búsqueda Centro Cochrane**

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Mesh] OR infant\*[tiab]) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst"[Journal:\_jrid21711]) AND (Ciprofloxacin[Mesh] OR cipro\*[tiab] OR Trimethoprim-Sulfamethoxazole Combination[Mesh] OR Trimethoprim-Sulfamethoxazole[tiab] OR Bactrim[tiab] OR Trimethoprimsulfa[tiab] OR Trimoxazole[tiab] OR Nalidixic Acid[Mesh] OR Nalidix\*[tiab] OR Furazolidone[Mesh] OR Furazolodin\*[tiab] OR Furazolidin\*[tiab] OR Metronidazole[Mesh] OR Metronidazol\*[tiab] OR Anti-Infective Agents[Mesh] OR Anti-Infective[tiab] OR Antimicrobial[tiab] OR Anti microbial[tiab] OR Antibiotic\*[tiab])

#### **Base de datos: Lilacs**

cotrimoxazole AND diarrhea AND infant

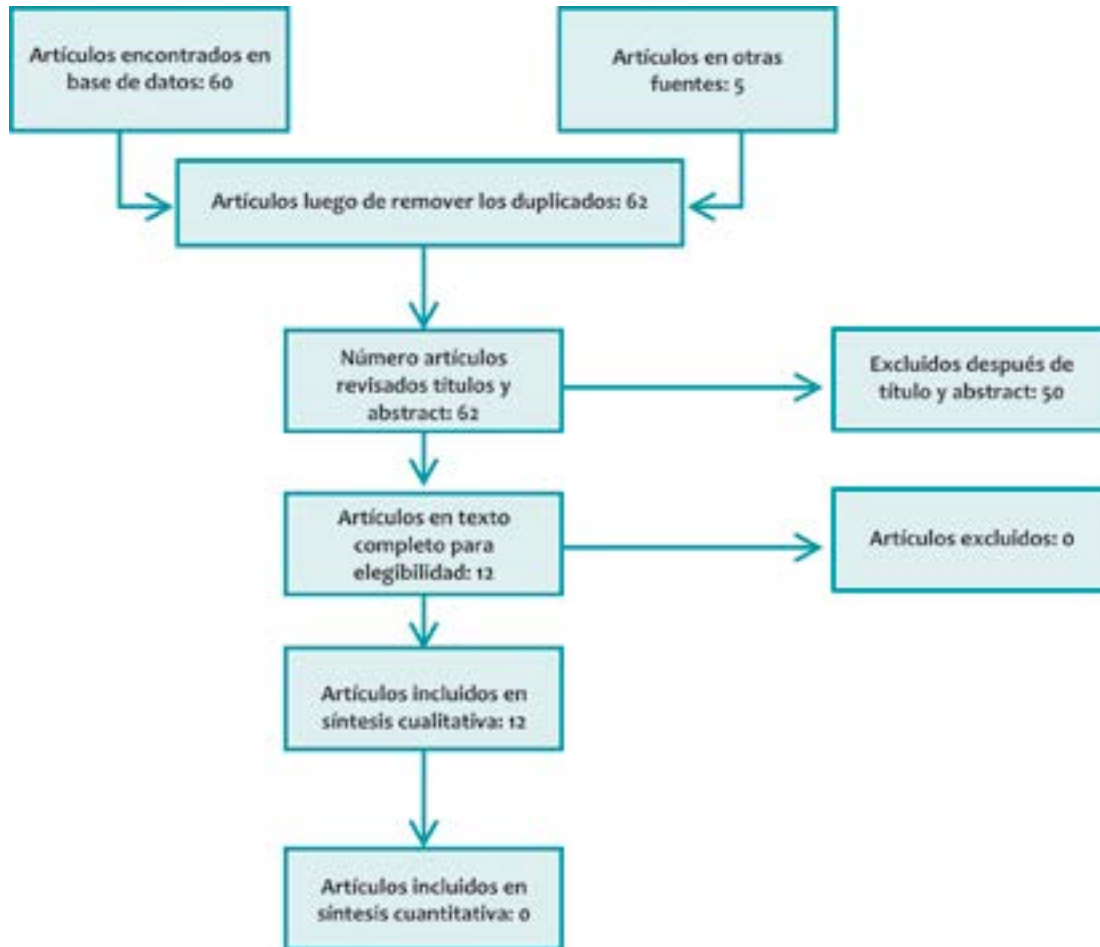
ciprofloxacin AND diarrhea AND infant

nalidixic acid AND diarrhea AND infant

furazolidone AND diarrhea AND infant

metronidazole AND diarrhea AND infant

Flujograma proceso de revisión



24. ¿Cuál es la eficacia de administrar micronutrientes (vitamina A, cinc y otros) en un niño con EDA?

24.1. ¿En los niños menores de 5 años con EDA, ofrecer suplemento de vitamina A comparado con no hacerlo o dar placebo, disminuye la gravedad del episodio (según gasto fecal, duración de la diarrea, o riesgo de hospitalización)?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

retinol/ OR vitamin A.mp.AND infant/ OR preschool child/ AND diarrhea/ or diarrh\*.mp. limit to (clinical trial or randomized controlled trial or controlled clinical trial)

#### **Base de datos: Medline**

((("Vitamin A"[Majr]) OR "retinol acetate"[Supplementary Concept]) AND (((("Infant"[Mesh]) OR "Child, Preschool"[Mesh])) AND "Diarrhea"[Majr]) OR "Diarrhea, Infantile"[Majr])

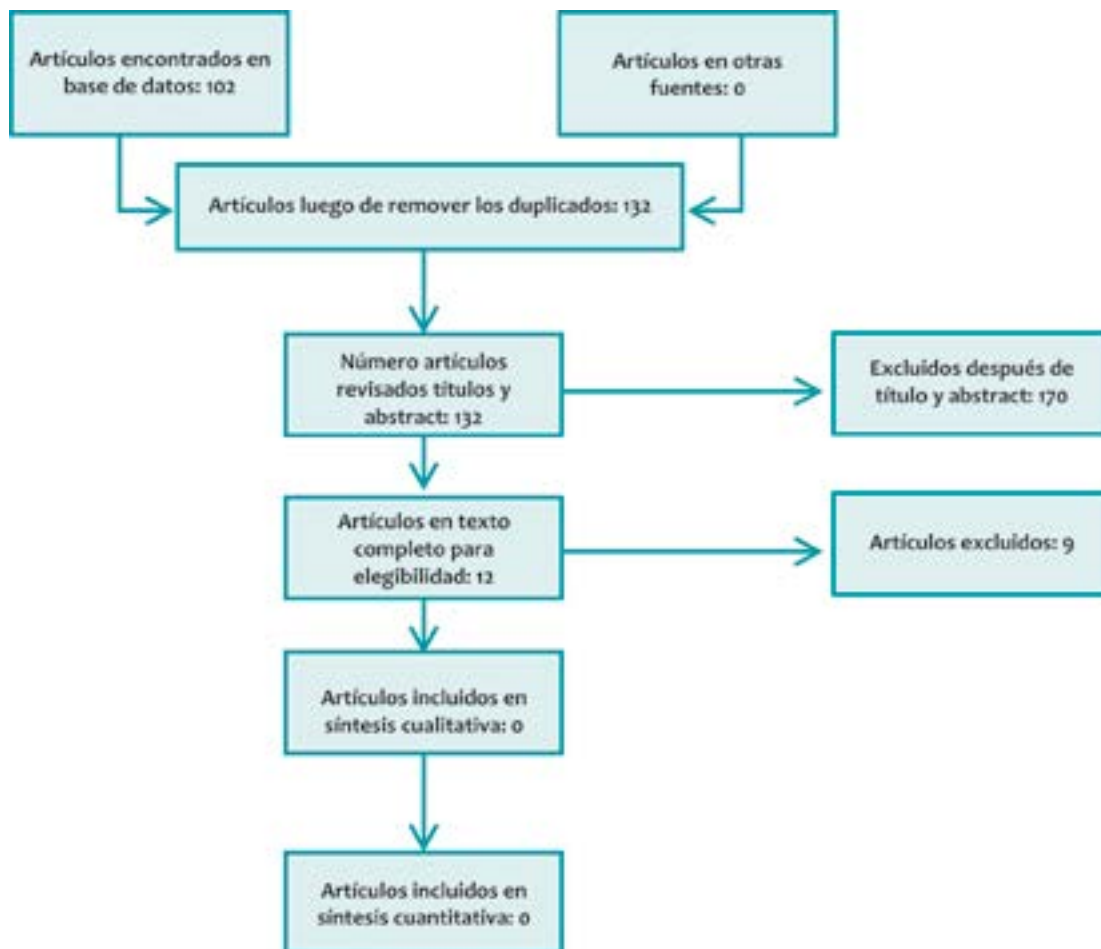
**Base de datos: Lilacs**

vitamin A OR retinol AND diarreha

**Búsqueda Centro Cochrane**

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Mesh] OR infant\*[tiab]) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst"[Journal:\_jrid21711]) AND (Vitamin A[Mesh] OR Vitamin A\*[tiab])

Flujograma proceso de revisión





24.2. ¿En los niños menores de 5 años con EDA, ofrecer suplemento de zinc comparado con no darlo o dar placebo, disminuye la gravedad del episodio (según gasto fecal, duración de la diarrea, o riesgo de hospitalización)?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

#1 'infant'/exp OR 'preschool child'/exp 748,153

#2 'dysentery'/mj OR 'diarrhea'/mj OR 'rotavirus'/mj OR 'rotavirus infection'/mj OR 'shigellosis'/mj 43,639

#3 #1 AND #2 7,860

#4 'zinc'/mj OR 'zinc acetate'/mj OR 'zinc sulfate'/mj OR 'gluconate zinc'/mj OR 'retinol'/mj OR 'trace element'/mj 66,288

#5 #3 AND #4 112

#### **Base de dato: Medline**

((("Infant"[Mesh]) OR "Child, Preschool"[Mesh]) AND (((("Dysentery"[Mesh]) OR "Diarrhea"[Majr]) OR "Gastroenteritis"[Majr]) OR "Rotavirus Infections"[Majr])) AND (((((((("Zinc"[Mesh]) OR "Zinc Acetate"[Majr]) OR "Zinc Sulfate"[Majr]) OR "Zinc Compounds"[Majr]) OR "zinc gluconate glycine"[Supplementary Concept]) OR "Vitamin A"[Majr]) OR "Vitamin A Deficiency"[Majr]) OR retinol OR "Micronutrients"[Majr])

Limits Activated: Clinical Trial, Meta-Analysis, Randomized Controlled Trial, Review, Controlled Clinical Trial

#### **Base de datos: Lilacs**

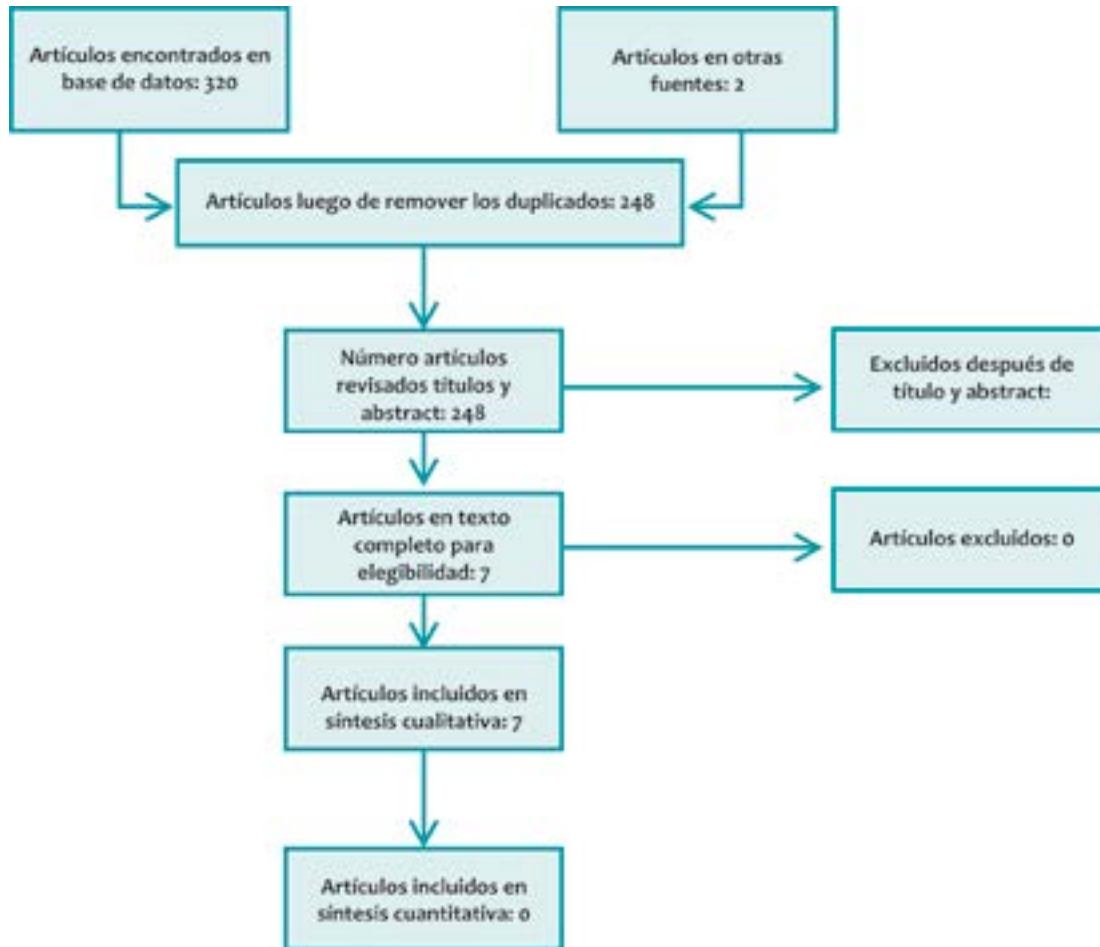
vitamin A OR retinol AND diarrhea

diarrhea AND zinc

Búsqueda Apoyo Centro Cochrane

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Mesh] OR infant\*[tiab]) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst"[Journal:\_jrid21711]) AND (Micronutrients[Mesh] OR Micronutrient\*[tiab] OR vitamin\*[tiab] OR trace element\*[tiab] OR Micronutrients[Pharmacological Action])

Flujograma proceso de revisión



25. ¿En los niños menores de 5 años con EDA, ofrecer prebióticos, probióticos, mezcla de ellos o leches fermentadas (kumis, yogures y otras) comparado con no suministrarlos, disminuye la gravedad del episodio (según gasto fecal, duración de la diarrea, o riesgo de hospitalización)?

Para la búsqueda de información para esta pregunta se actualizó la estrategia de búsqueda propuesta en la guía de Nice(1) hasta septiembre del año 2011; de igual forma, se realizó una búsqueda manual para apoyar dicha revisión.

**Estrategias de búsqueda**

Base de datos: Embase

1 CLINICAL TRIALS/  
2 (clinic\$ adj5 trial\$.sh,tw.

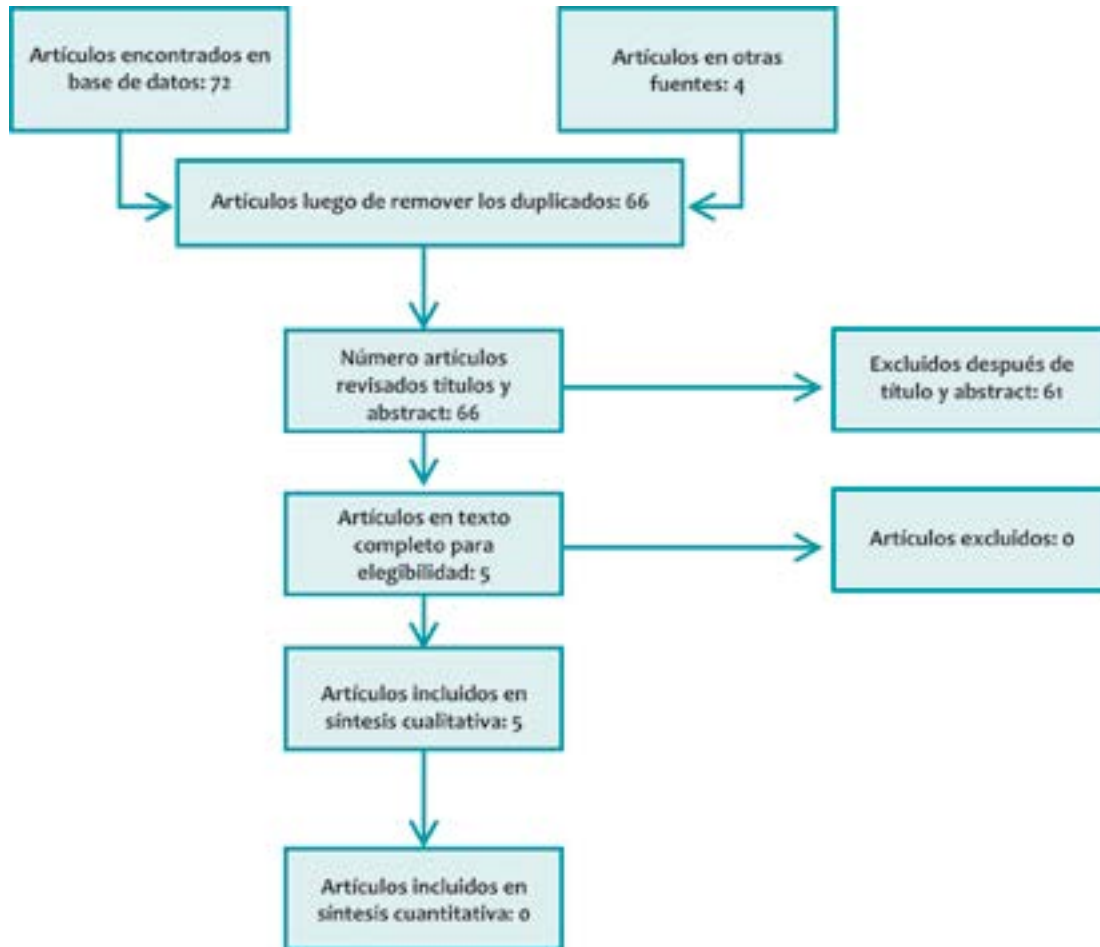
10960  
228408

3 SINGLE BLIND PROCEDURE/	14881
4 DOUBLE BLIND PROCEDURE/	103334
5 RANDOM ALLOCATION/	55830
6 CROSSOVER PROCEDURE/	31987
7 PLACEBO/	193381
8 placebo\$.sh,tw.	266561
9 random\$.sh,tw.	788144
10 RANDOMIZED CONTROLLED TRIALS/	13271
11 ((single or double or triple or treble) adj (blind\$ or mask\$)).sh,tw.	134837
12 randomi?ed control\$ trial\$.tw.	71527
13 or/1-12	1092381
14 META ANALYSIS/	59175
15 ((meta adj analy\$) or metaanalys\$ or meta-analy\$).sh,tw.	83166
16 (systematic\$ adj5 (review\$ or overview\$)).sh,tw.	59443
17 (methodologic\$ adj5 (review\$ or overview\$)).sh,tw.	3247
18 or/14-17	122412
19 review.pt.	1758016
20 (medline or medlars or embase).ab.	52889
21 (scisearch or science citation index).ab.	1959
22 (psychlit or psyclit or psychinfo or psycinfo or cinahl or cochrane).ab.	29738
23 ((hand or manual\$) adj2 search\$).tw.	6380
24 (electronic database\$ or bibliographic database\$ or computeri?ed database\$ or online database\$).tw.	11513
25 (pooling or pooled or mantel haenszel).tw.	48280
26 (peto or dersimonian or "der simonian" or fixed effect).tw.	2856
27 or/20-26	112608
28 19 and 27	43227
29 COMPARATIVE STUDY/	622150
30 (compar\$ adj5 stud\$).tw.	331950
31 CASE-CONTROL STUDY/	57859
32 RETROSPECTIVE STUDY/	251819
33 PROSPECTIVE STUDY/	183611
34 COHORT STUDY/	110271
35 (case\$ adj2 control\$).tw.	86621
36 or/29-35	1420255
37 or/13,18,28,36	2406869
38 abstract report.sh,tw.	71313
39 note.sh,tw.	511039
40 short survey.sh,tw.	475373
41 letter.sh,tw.	783513
42 editorial.sh,tw.	454344
43 or/38-42	2277913
44 37 not 43	2290014

45 NEWBORN/	430288
46 neonat\$.tw.	193793
47 newborn\$.tw.	123447
48 exp CHILD/	1525044
49 infan\$.tw.	318303
50 SMALL FOR DATE INFANT/	5501
51 (small adj2 gestational age).tw.	5620
52 LOW BIRTH WEIGHT/	19963
53 VERY LOW BIRTH WEIGHT/	6645
54 (low adj birth adj weight).tw.	18390
55 (low adj birth?weight).tw.	5446
56 lbw.tw.	2208
57 vlbw.tw.	2400
58 (baby or babies).tw.	52955
59 PRESCHOOL CHILD/	439677
60 child\$.tw.	987003
61 toddler\$.tw.	5663
62 (pediatri\$ or paediatric\$.tw.	239563
63 or/45-62	2301941
64 GASTROENTERITIS/	13940
65 ACUTE GASTROENTERITIS/	1890
66 INFANTILE GASTROENTERITIS/	168
67 VIRAL GASTROENTERITIS/	811
68 gastroenterit\$.tw.	13044
69 INFANTILE DIARRHEA/	3960
70 diarrh?ea?.tw.	78972
71 or/64-70	96999
72 INFUSION/	27953
73 INFUSION FLUID/	5824
74 (IV or intravenous\$.tw.	552098
75 infusion?.tw.	212880
76 INTRAVENOUS DRUG ADMINISTRATION/	305768
77 FLUID THERAPY/	13128
78 ORAL REHYDRATION SOLUTION/	2039
79 ORAL REHYDRATION THERAPY/	1684
80 REHYDRATION/	3518
81 (fluid? adj3 (therap\$ or supplement\$)).tw.	3972
82 ORT.tw.	750
83 (rehydrat\$ or hydrat\$.tw.	44247
84 dioralyte.tw.	36
85 pedialyte.tw.	77
86 or/72-85	937592
87 BREAST FEEDING/	29890

88 BREAST MILK/	16674
89 (breastfe?d\$ or breast fe?d\$ or milk).tw.	100545
90 BOTTLE FEEDING/	3037
91 INFANT FEEDING/	4040
92 ARTIFICIAL MILK/	7514
93 SIMILAC/	59
94 (bottlefe?d\$ or bottle fe?d\$).tw.	1881
95 BABY FOOD/	4567
96 FOOD/	34589
97 WEANING/	11988
98 (food\$ or feed? or fed or feeding? or eat\$).tw.	532118
99 CEREAL/	11399
100 DIET THERAPY/	39834
101 FOOD RESTRICTION/	46908
102 diet\$.tw.	373711
103 MILK/	43519
104 SOYBEAN MILK/	583
105 BEVERAGE/	8713
106 CARBONATED BEVERAGES/	1693
107 (carbonated beverage? or soda? or fizzy drink? or fizzy beverage?).tw.	3106
108 TEA/	10216
109 (tea? or tisane?).tw.	116093
110 MINERAL WATER/	4133
111 (drink\$ adj3 water).tw.	38208
112 ELEMENTAL DIET/	2546
113 DIET SUPPLEMENTATION/	51249
114 ((milk? or formula) adj3 (soy? or rice or protein\$ or hypoallergenic\$ or lactose or amino acid? or non dairy or nondairy)).tw.	10898
115 ((earl\$ or late or delay\$) adj3 (re introduc\$ or reintroduc\$ or re feed\$ or refeed\$)).tw.	171
116 ((restrict\$ or unlimited or limited or dilute? or full strength or undilute?) adj3 (fluid? or liquid?)).tw.	2758
117 (rice or yog?urt or banana? or pasta? or low sugar or low fat or complex carb\$ or bread? or toast or cookie? or biscuit?).tw.	47546
118 wean\$.tw.	34063
119 or/87-118	1107615
120 and/63,71	32925
121 and/86,119	54312
122 and/120-121	1184
123 and/44,122	377
124 limit 123 to (human and english language)	298
125 limit 124 to yr="2008 - 2011"	51

Flujograma proceso de revisión



26. ¿Cuál es la eficacia y seguridad de administrar medicamentos anti diarreicos (adsorbentes, anti secretores o anti motílicos) en un niño con EDA?

26.1. ¿En los niños menores de 5 años con EDA, administrar esmética, racecadotril, loperamida, caolín-pectina, el subsalicilato de bismuto en comparación con no suministrarlos o dar placebo, son seguros y disminuyen la gravedad del episodio (según gasto fecal, duración de la diarrea, o riesgo de hospitalización)?

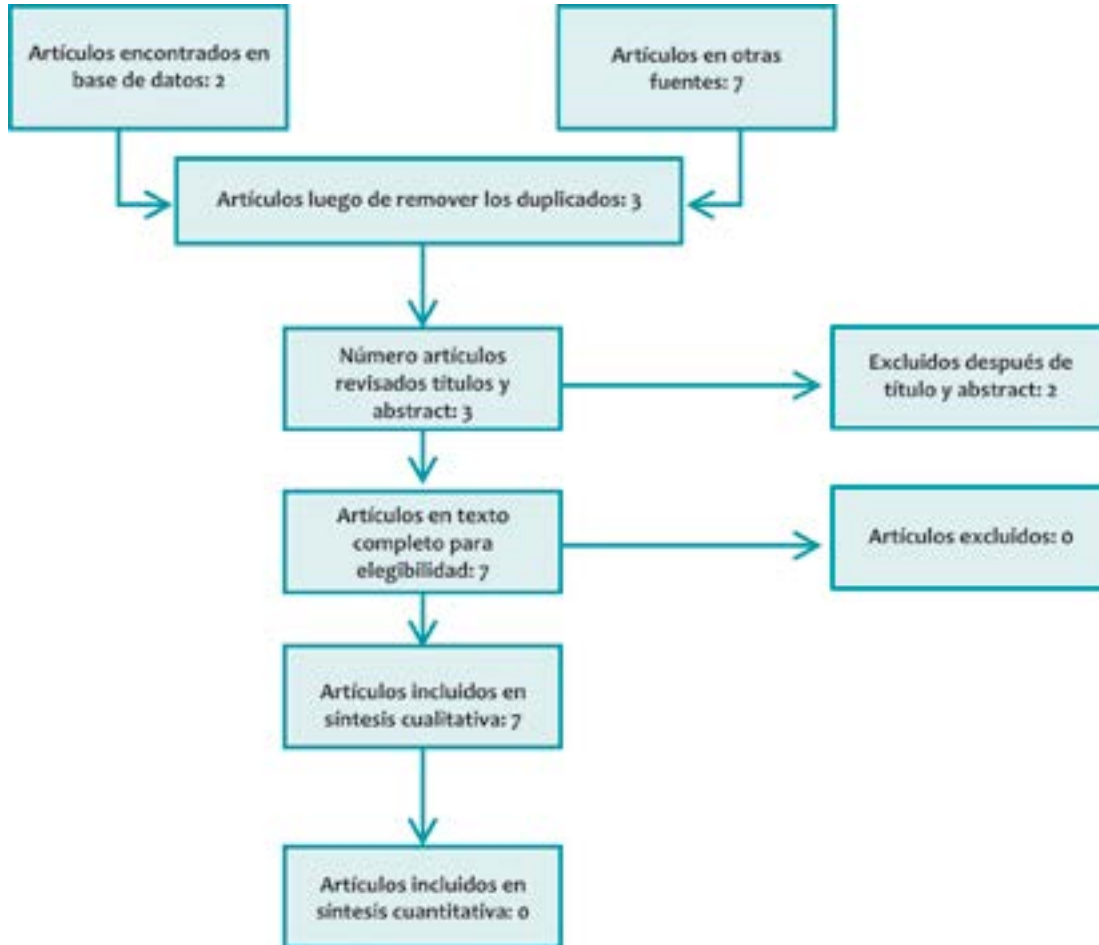
### **Estrategias de búsqueda**

#### **Base de datos: Medline**

(((“smecta”[Supplementary Concept]) OR “acetorphan”[Supplementary Concept]) OR (racecadotril)) AND (“Gastroenteritis”[Majr]) OR “Diarrhea”[Majr])

Limits: Clinical Trial, Randomized Controlled Trial, published in the last 5 years

Flujograma proceso de revisión



27. ¿Cuál es la eficacia y la seguridad de los antieméticos en un niño con EDA?

27.1. ¿En los niños menores de 5 años con EDA, cuáles son las indicaciones para usar antieméticos para el manejo del vómito?

27.2. ¿En los niños menores de 5 años con EDA, administrar metoclopramida comparada con ondansetrón, con el placebo y con no suministrarla, disminuye la gravedad (según gasto fecal, duración de la diarrea, o riesgo de hospitalización), de forma segura?

### **Estrategias de búsqueda**

#### **Base de datos: Embase**

1 infant/

469159

2 preschool child/

437272

3 1 or 2	719264
5 *vomiting/	15598
8 *ondansetron/dt [Drug Therapy]	1996
9 *metoclopramide/dt [Drug Therapy]	2150
14 8 or 9	3859
15 3 and 5 and 14	41

**Base de datos: Medline**

((("Diarrhea"[Majr]) OR "Gastroenteritis"[Majr]) AND Vomiting"[Majr]) AND (("Antiemetics"[Majr]) OR "Antiemetics"[Pharmacological Action])

.....

((metoclopramid\* AND and vomit\* AND and gastroenterit\* AND ((Clinical Trial[ptyp] OR Randomized Controlled Trial[ptyp] OR Controlled Clinical Trial[ptyp]))) OR (((("Metoclopramide"[Majr]) OR "alizapride" [Supplementary Concept])) AND ("Vomiting"[Majr])) AND ("Gastroenteritis"[Majr]))

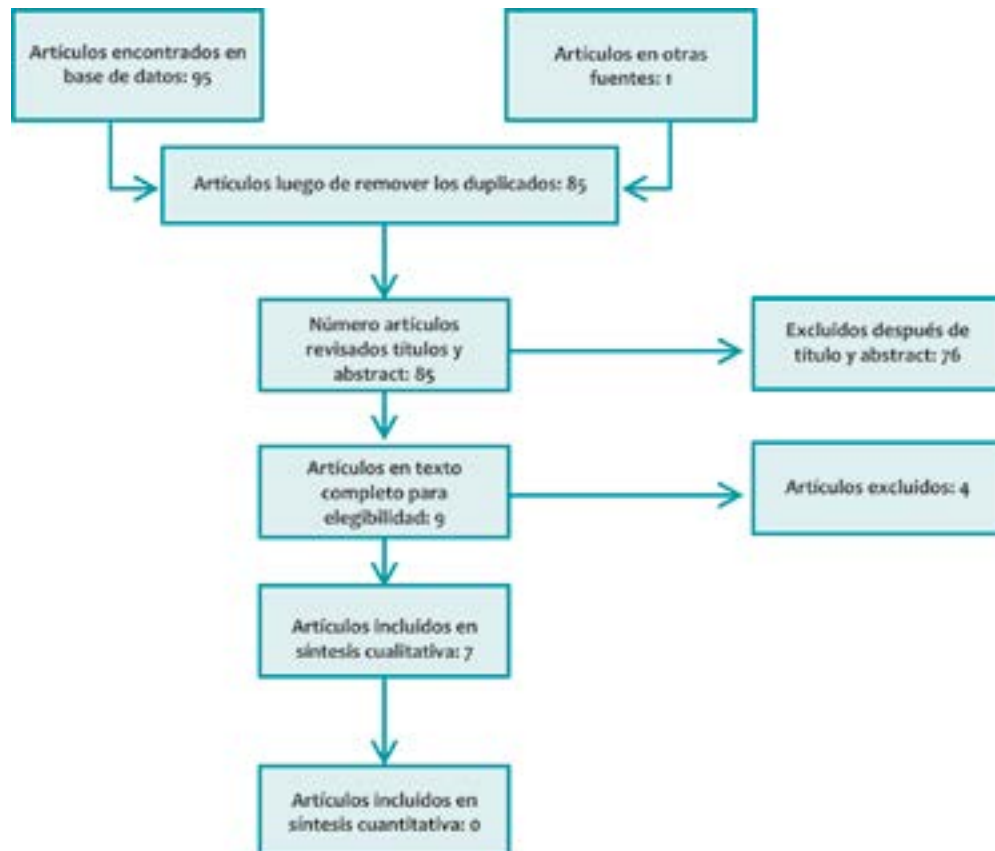
.....

Alizapride limits metanaysis

Alizapride limits randomized control trials

Metoclopramide

Flujograma proceso de revisión





28. ¿En los niños menores de 5 años con EDA, algún tratamiento médico alternativo u homeopático comparado con el tratamiento habitual, disminuye la gravedad (hospitalización / complicaciones como sepsis) de forma segura?

### ***Estrategias de búsqueda***

#### **Base de datos: Embase**

(("Complementary Therapies"[Mesh]) AND "Diarrhea"[Mesh])

Filtros: RTC Meta analysis

#### **Base de datos: Medline**

systematic[sb] AND (("Complementary Therapies"[Mesh]) AND "Diarrhea"[Mesh])

Base de datos: Lilacs

homeopathy [Words] or complementary therapies [Words] and diarrhea [Words]

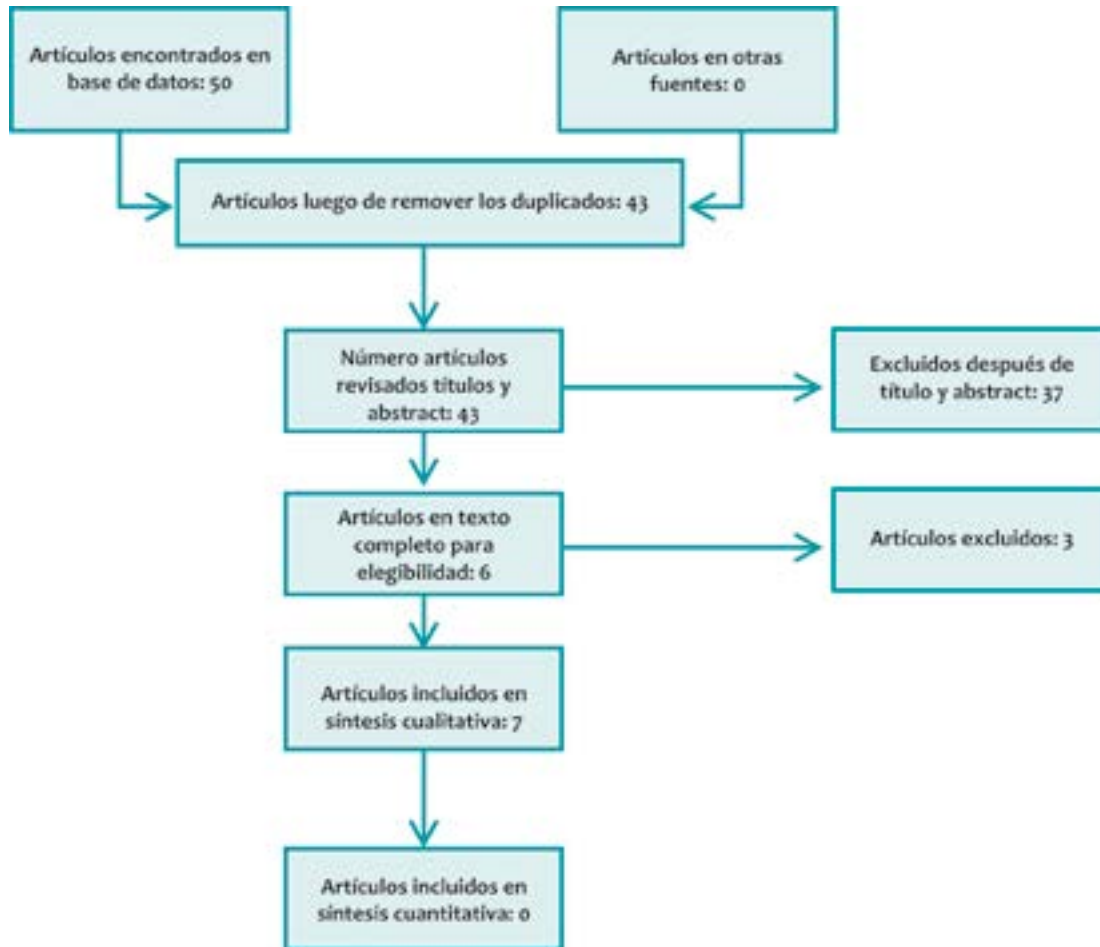
Base de datos: Cochrane

"diarrhea in Title, Abstract or Keywords and Complementary Therapies in Title, Abstract or Keywords in Cochrane Database of Systematic Reviews"

#### **Apoyo búsqueda Centro Cochrane**

((Diarrhea[Mesh] OR Rotavirus[Mesh] OR Colitis[Mesh] OR diarrh\*[tiab] OR rotavir\*[tiab] OR coliti\*[tiab]) AND (acute[tiab])) AND (Infant[Mesh] OR infant\*[tiab]) AND (systematic review[tiab] OR Meta-Analysis[pt] OR Meta-Analysis as Topic[mh] OR Meta-Analys\*[tiab] OR "Cochrane Database Syst"[Journal:\_\_jrid21711]) AND (Complementary Therapies[Mesh] OR Alternative[tiab] OR Homeopath\*[tiab] OR traditional therap\*[tiab] OR traditional treat\*[tiab])

Flujograma proceso de revisión



## Bibliografía

1. Diarrhoea and Vomiting Caused by Gastroenteritis: Diagnosis, Assessment and Management in Children Younger than 5 Years. London: National Collaborating Centre for Women's and Children's Health.; 2009 Apr.
2. Lozano JM, Granados C, Paipilla SH, M. G. Enfermedad diarreica aguda. En: Guías de Pediatría práctica basadas en la evidencia. Bogotá: Panamericana; 2009. p. 247-65.
3. Pringle K, Shah SP, Umulisa I, Mark Munyaneza RB, Dushimiyimana JM, Stegmann K, et al. Comparing the accuracy of the three popular clinical dehydration scales in children with diarrhea. Int J Emerg Med. 2011;4:58. Epub 2011/09/10.