

**KNOWLEDGE REGARDING DISEASE TRANSMISSION BY FIVE F'S (FOOD,  
FINGER, FLUID, FLIES, FECES)**

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**ABSTRACT**

**Introduction:** Fecal-oral transmission happens once bacterium or viruses found within the stool of 1 person engulfed by another person. The common reason for its unfold in contaminated food and water. **Objective:** To find out the evidence on Knowledge regarding disease transmission by Five F's (Food, Finger, Fluid, Flies, Feces). **Method:** The data were explored on four online electronic databases- Pub Med, MEDLINE, Google Scholar, EBSCO check the availability of review. **Results:** available literature refines to get 5 qualitative studies, which states that after educational intervention mothers improve the knowledge regarding disease transmission by Five F's (Food, Finger, Fluid, Flies, Feces). **Conclusion:** There is a greater need to provide education regarding disease transmission by Five F's (Food, Finger, Fluid, Flies, Feces) among mothers of under-five Kids. To maintain good physiological conditions for the kids.

**KEYWORDS:** Knowledge, disease transmission, five F's, Under-five children.

## INTRODUCTION

A Nation's wealth depends upon its healthy citizens of all age group children. The health of children vital importance to all societies because children are the base source for the future of mankind. Children are more prone to infection and disease the fecal-oral transmission is the pathway for communicating diseases and infection in the under-five children. The most common five F's (Food, Finger, Fluid, Flies, Feces).

**FOOD:** Foodborne diseases can be brought about by microorganisms, infections, parasites, poisons, and synthetic substances. Food contamination like Hot climate, Poor storage, Insufficient cooking time, Unsterilized and dirty feeding bottles for children, poor hygiene. Some foodborne diseases like Diarrhea, food poisoning, Typhoid fever, short- term symptoms such as nausea and vomiting.

**FINGER:** Children's and mother's unclean hands may cause many diseases or infections in under-five children. like: After changing dirty diapers and after defecation, after coughing, sneezing and don't wash hands, Playing after that eating without handwashing. Diseases like: Diarrhea.

**FLUID:** When unwanted materials, industrial waste, human waste or animal waste(Feces), garbage, sewage enter into the water, change the quality of water, and make it harmful to the environment and human health. Waterborne disease like Dysentery, Typhoid fever, Hepatitis A, Salmonella, Intestinal helminthiasis (roundworm, tapeworm, threadworm)

**FLIES:** House flies spread the disease directly and indirectly, if house flies bit any part of the body may occur skin infection, eye infection. They transmit range due to their feeding and breeding habits, feed and rotting or decaying matter as well as human or animal feces. Disease like: Conjunctivitis, gastroenteritis, Dysentery, Salmonellosis.

**FECES:** Fecal matter contain microorganism that can cause disease in children. Flies attach with fecal matter and after that attach with food and water which contaminated the food and water may cause disease and infection. like: Diarrhea.

## **NEED FOR THE STUDY**

In India, most of the diarrhoeic deaths among kids (< five years) area unit attributed to food and water contamination.WHO global estimate up to 420,000 dies and one-third of the deaths are under-five kids. Kids under five years of age are at particularly high risk, with 12,500 children dying from Foodborne Disease. 5.9 Million kids under the age of five years died over 90% of the cause of diarrheal death is unsafe drinking water, poor sanitation, and animal feces are the main source of diarrheal pathogens.

## **AIM**

The review aims to gather information about the knowledge regarding disease transmission by Five F's (Food, Finger, Fluid, Flies, Feces ).

## **OBJECTIVE**

To look through the bits of proof about information in regards to infection transmission by Five F's (Food, Finger, Fluid, Flies, Feces).

## **METHODOLOGY**

### **SEARCH STRATEGY METHOD**

The information was explored on four electronic databases- Pub Med, MEDLINE, Google Scholar, EBSCO to check the accessibility of surveys from 2013-2019. The search was confined to only English.

### **SEARCH STRATEGY**

Knowledge [MeSH Term], Regarding[ MeSH Term], Disease Transmission[MeSH Term], Five F's[MeSH Term]+Food[MeSH Term],Finger[MeSH Term], Fluid[MeSH Term], Flies[MeSH Term], Feces[MeSH Term].

## **TYPES OF STUDIES**

Cross-sectional study, Quasi-Experimental design, Quantitative approach with descriptive Design, Pre Experimental one group pre-test post-test design.

## **TYPES OF PARTICIPANTS**

Mothers and Children.

## **SETTING**

Rural and Urban Area, And Schools.

## **OUTCOME**

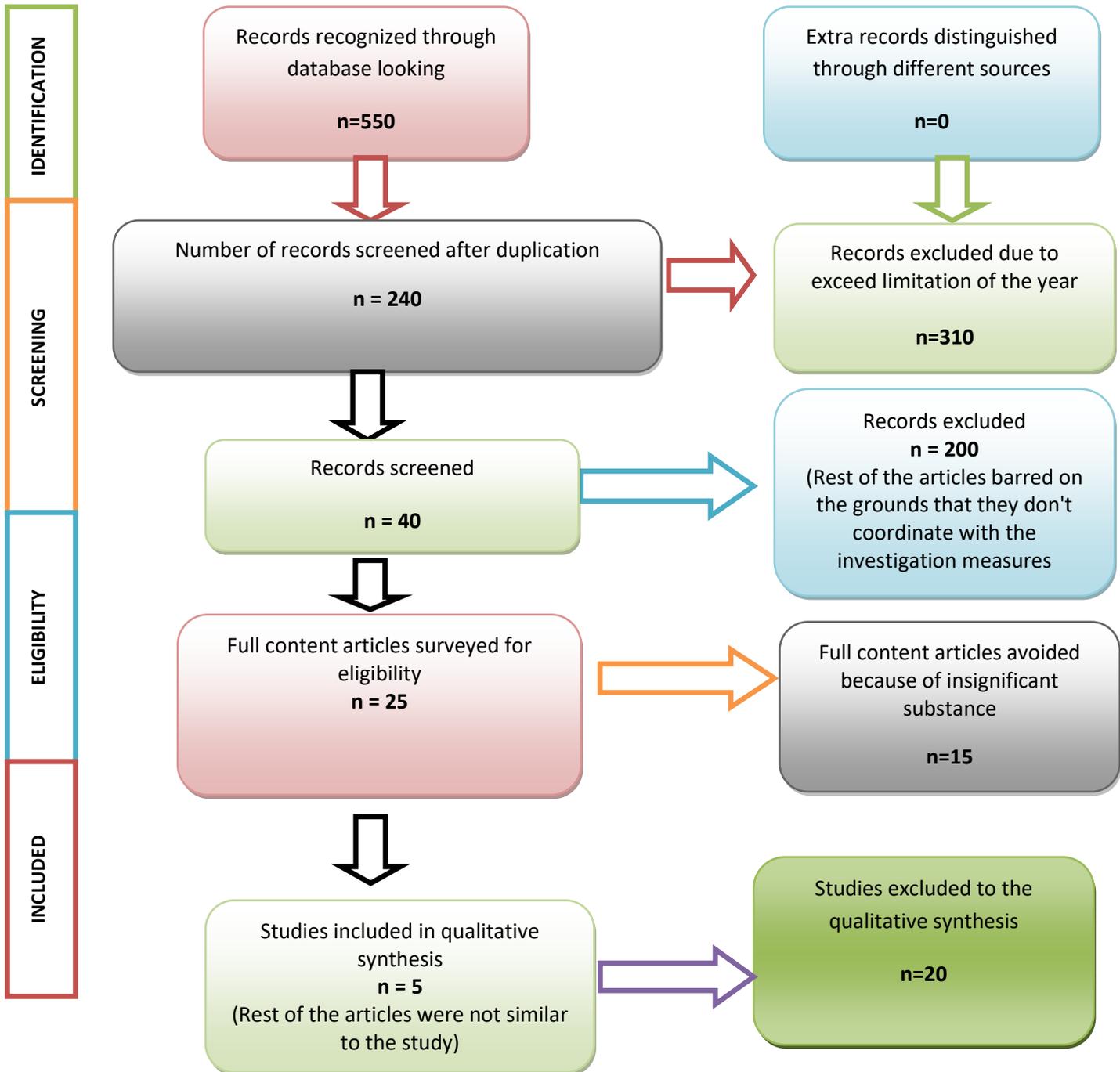
The narrative review shows the knowledge regarding disease transmission by Five F's (Food, Finger, Fluid, Flies, Feces). It reveals that disease transmission by Five F's is very common in under-five children.

## **DELIVERY OF INTERVENTION**

The narrative review has planned the exploration of reviews associated with subject "knowledge relating to sickness transmission by 5 F's [Food, Finger, Fluid, Flies, Feces]," the exploration begin with the keywords data, sickness transmission, 5 F's [ Food, Finger, Fluid, Flies, Feces], rural and concrete population. on-line databases that were used for the exploration of the review were taphouse master's degree, MEDLINE, Google Scholar, EBSCO from the year 2013-2019. The search was confined to solely the English accent. At the start the search fetched 550 articles, Duplicates were removed and reviewed 240. 310articles were excluded thanks to exceeding the limitation of the year. Two hundred additional articles were excluded as a result of they don't match to the study criteria. Forty reviewed and screened. Fifteen articles were excluded thanks to unsuitable content and inconvenience the total text.<sup>25</sup> Full-text articles assessed for eligibility however twenty weren't the same as the study thus five studies were enclosed within the qualitative synthesis.

**RESULT**

**PRISMA FLOW CHART**



3.1 PRISMA FLOW CHART

## DATA EXTRACTION TABLE

Author And Year	Research Design	Findings of The Study
Amy J. Pickering et.al. (2018)	Cross-sectional study	The finding shows that food contamination (59%), Water contamination (Tube well (24%), stored, pond (58%), hand (40%), Flies (54%).
Mrs. G. Bhuvaneswari ( 2014)	Quasi-experimental design ( one group pre & post-test)	The finding shows that out of 100 samples, (10%) had lacking information, (74%) had moderate knowledge, (16%) had satisfactory information. The results show that there was an improvement in overall in aspects f knowledge on roundworm infestation at the level of $p < 0.001$ .
Amar Tripura et.al. (2013)	Cross-sectional study	The discovering shows that respondent announced of roundworm(19%), threadworms(26.80%), and tapeworm (2.6%), revealed of torment abdomen(23%), torment mid-region and itching(19.60%), perianal itching(19.60%), retching (23%)and worm in the stool(14.80%). There were critical affiliations seen between helminthic contamination and the utilization of kinds of the toilet ( $p=0.00$ ), hand washing after poop ( $p=0.00$ ), customary hand wash before dinners ( $p=0.00$ ) and normal utilization of foot wears ( $p=0.00$ ).

Latha P. et.al. (2017)	Quantitative approach with a descriptive design	The finding shows that out of 50 mothers 22(44%) had inadequate knowledge, 3(6%) had moderate knowledge and 25(50%) had adequate knowledge of waterborne disease and its prevention.
Dr. M. Sreelatha et. al. (2019)	Pre-experimental one group pre-test post-test design	The finding shows that out of 70 children in pretest 35(58.30%) had lacking information and post-test 48(80%) had satisfactory information was a significant association between the knowledge scores and socio-demographic variables at $p < 0.01$ level and $p < 0.05$ levels.

### **OUTCOME:**

This account survey result shows the knowledge regarding disease transmission by Five F's [Food, Finger, Fluid, Flies, Feces]. It reveals that people have a lack of education regarding disease transmission by Five F's [Food, Finger, Fluid, Flies, Feces].

### **SUMMARY FINDING:**

Accessible writing was refined to get 5 quantitative investigations:

The research studies supported that an educational program is effective to improve the knowledge regarding disease transmission by five F's [Food, Finger, Fluid, Flies, Feces].

### **DISCUSSION:**

Disease transmission by five F's [Food, Finger, Fluid, Flies, Feces] is more common in under-five children because they are unable to do care of themselves. Mothers are the primary caregiver to the child so mothers should know some basics about disease transmission in children. Therefore endorsement studies are needed to know the knowledge regarding disease

transmission by five F's [Food, Finger, Fluid, Flies, Feces] and the finding of reviewed studies shows knowledge about disease transmission in under-five children though information of this examination are good with comparable account survey discovering which were led by Latha P. et al .in 2017 – A survey shows that disease transmission by five F's [Food, Finger, Fluid, Flies, Feces] is more in less than five youngsters.

### **SIGNIFICANCE IN EDUCATION:**

Having gauge data in regards to Disease transmission by five F's [Food, Finger, Fluid, Flies, Feces] will help nursing understudies just as human services laborers to build their insight and it will help in moms of under-five youngsters to the anticipation of maladies.

### **FUTURE SIGNIFICANCE:**

It helps to improve the knowledge regarding disease transmission by Five F's [Food, Finger, Fluid, Flies, Feces].

### **4.3 LIMITATION:**

- ❖ The database search was narrow.
- ❖ Electronic databases were narrow.
- ❖ Limited only knowledge regarding Disease transmission by Five F's [Food, Finger, Fluid, Flies, Feces]

### **STRENGTH AND WEAKNESS:**

#### **STRENGTH**

Article search was conceded out of a major obstruction.

The review might acquire out the divergence in understanding as regarding Disease transmission by Five F's [Food, Finger, Fluid, Flies, Feces].

#### **WEAKNESS**

- ❖ Barely five articles were incorporated for the records synthesis proper to limitations.
- ❖ A systematic review was not done, just qualitative synthesis did for this evaluation.

- ❖ Articles mainly focus on only knowledge regarding Disease transmission by Five F's [Food, Finger, Fluid, Flies, Feces].

### **CONCLUSION:**

- ❖ It has been evaluated through different investigations that moms for the most part have expanded their insight after instructive intercession concerning ailment transmission by Five F's [Food, Finger, Fluid, Flies, Feces]. Instructive mediation help to improve the information on moms of under-five Children.

### **SUMMARY**

This part manages the writing required for the investigation. The literature was collected based on the problem stated. The literature mainly collected from published journals, online journals, this had helped in the development of the tool and deciding on the method for data collection and analysis.

### **REFERENCES**

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