



The Urbanization of Conflict IRAQ

**Directorate of Mine Action(DMA)
Ministry of Health and Environment
Republic of Iraq**

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Scope of Problem

ISIS was controlled several Provinces in Iraq After 10th June 2014 .

Thousands of IEDs were planted everywhere in these provinces .

Iraqi forces was faced new challenge by IED contaminations during liberating operations .

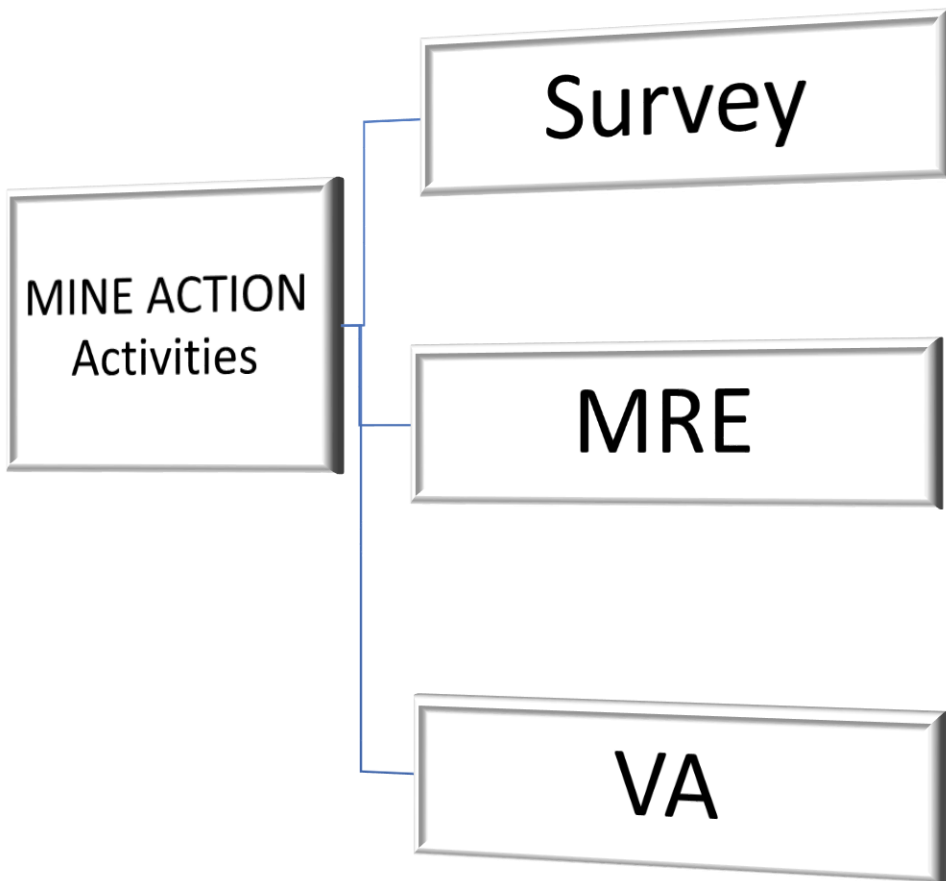
Difficulties of IDPs and Returnees Movements



Provinces that ISIS controlled



Response to New Situation





LANDMINE/ERW CONTAMINATION IN IRAQ



CURRENT CONTAMINATION IN DMA AREA

Type of Hazard	No. of Hazards	Contamination Area (sqm)
Cluster Munitions	259	206,386,364
Battlefield	163	566,220,171
ERW	946	710,632,336
IED	61	429,626,547
Landmine	316	1,089,318,385
TOTAL	1,745	3,002,183,803

CURRENT CONTAMINATION IN IKMAA AREA

Type of Hazard	No. of Hazards	Contamination Area (sqm)
ERW	322	43,125,734
Landmine	3011	171,896,936
Suspected Hazard Area	345	57,833,847
TOTAL	3,356	229,730,783

CURRENT CONTAMINATION IN GRAY-AREA

Type of Hazard	No. of Hazards	Contamination Area (sqm)
Cluster Munitions	20	1,534,176
Battlefield	52	1,683,772
ERW	99	4,694,959
IED	365	12,167,528
TOTAL	536	20,080,435

LEGEND

Major Cities/Towns

- National Capital
- Governorate Center
- District Center
- Subdistrict Center; Town; Collective Town

Border Crossing Point Status

- Closed
- Open
- Unknown

Landmine/ERW Contamination *

Current Confirmed ERW Contamination in Iraq

Level of Contamination

Suspected Contamination (IMMAP Incident Database)

Level of Suspected Contamination *

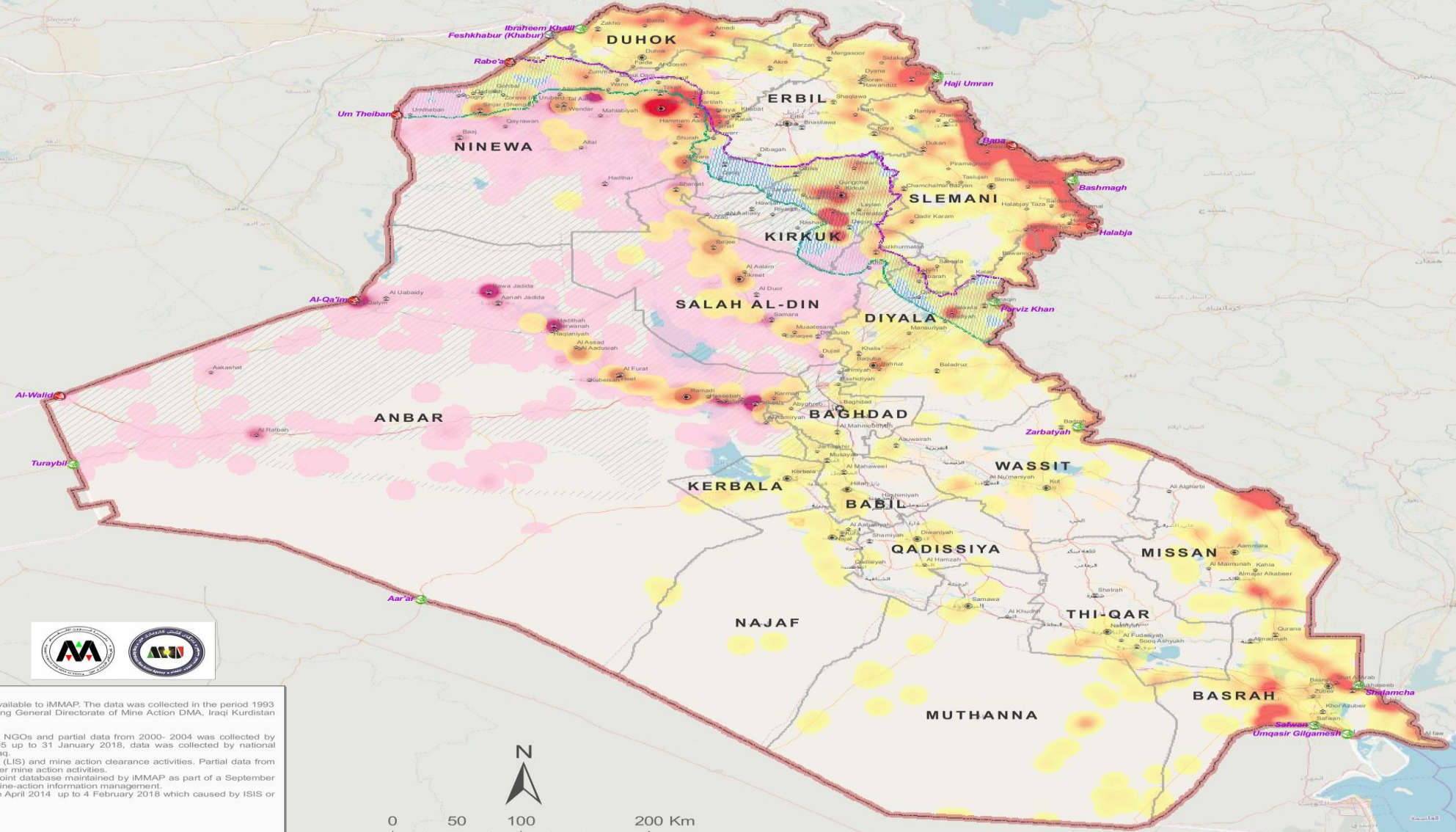
* Contamination density calculated conducting kernel function within 10km search radius

Boundaries

- Iraq Border
- Province Boundary
- Water Body

Security Front-lines

- ISF Frontline After 16 October 2017
- ISF Frontline Before 16 October 2017



Note:
 The information presented on this map is based on national database and is best available to IMMAP. The data was collected in the period 1993 to 31 January 2018 by Iraqi local authorities and mine action organizations including General Directorate of Mine Action DMA, Iraqi Kurdistan Mine Action Agency IKMAA, and IMMAP as follows:

IKMAA - Partial data from 1993-1999 was collected by humanitarian mine action NGOs and partial data from 2000- 2004 was collected by UNCP's mine action program as well as other humanitarian NGOs. From 2005 up to 31 January 2018, data was collected by national authorities and other mine action organizations worked in the Kurdistan Region in Iraq.

DMA - Partial data from 2003 - 2010 was collected from Land Mine Impact Survey (LIS) and mine action clearance activities. Partial data from 2011 up to 31 January 2018 was collected from Non- Technical Survey NTS and other mine action activities.

Liberated area from ISIS by Kurdish forces (Gray Area)- Data is sourced from the joint database maintained by IMMAP as part of a September 14, 2015 a Memorandum of Understanding between DMA, IKMAA and IMMAP on mine-action information management.

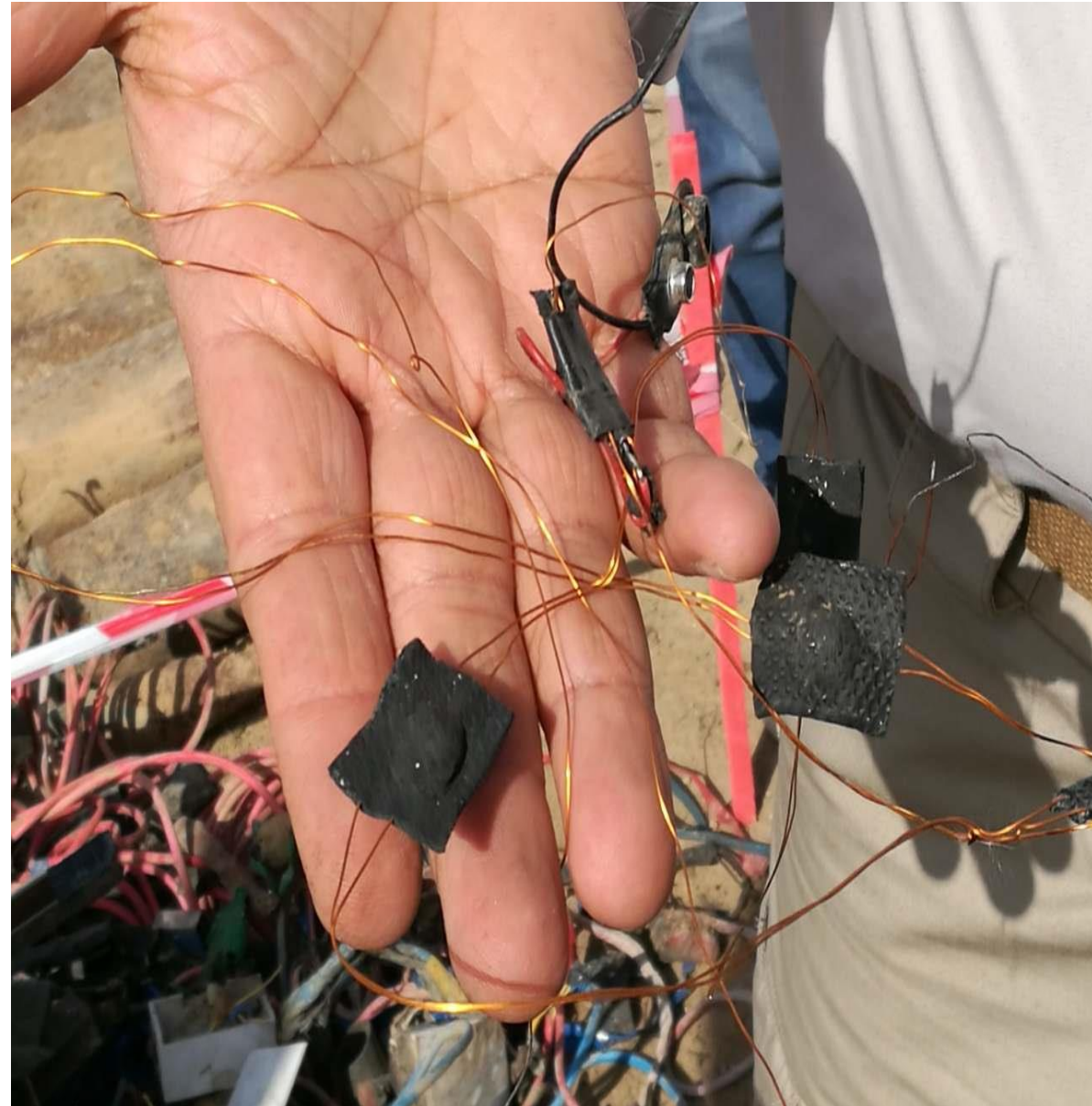
IMMAP Security Incident Data: all recorded security incidents occurred in Iraq since April 2014 up to 4 February 2018 which caused by ISIS or against ISIS.

Map prepared on: 13 February 2018

















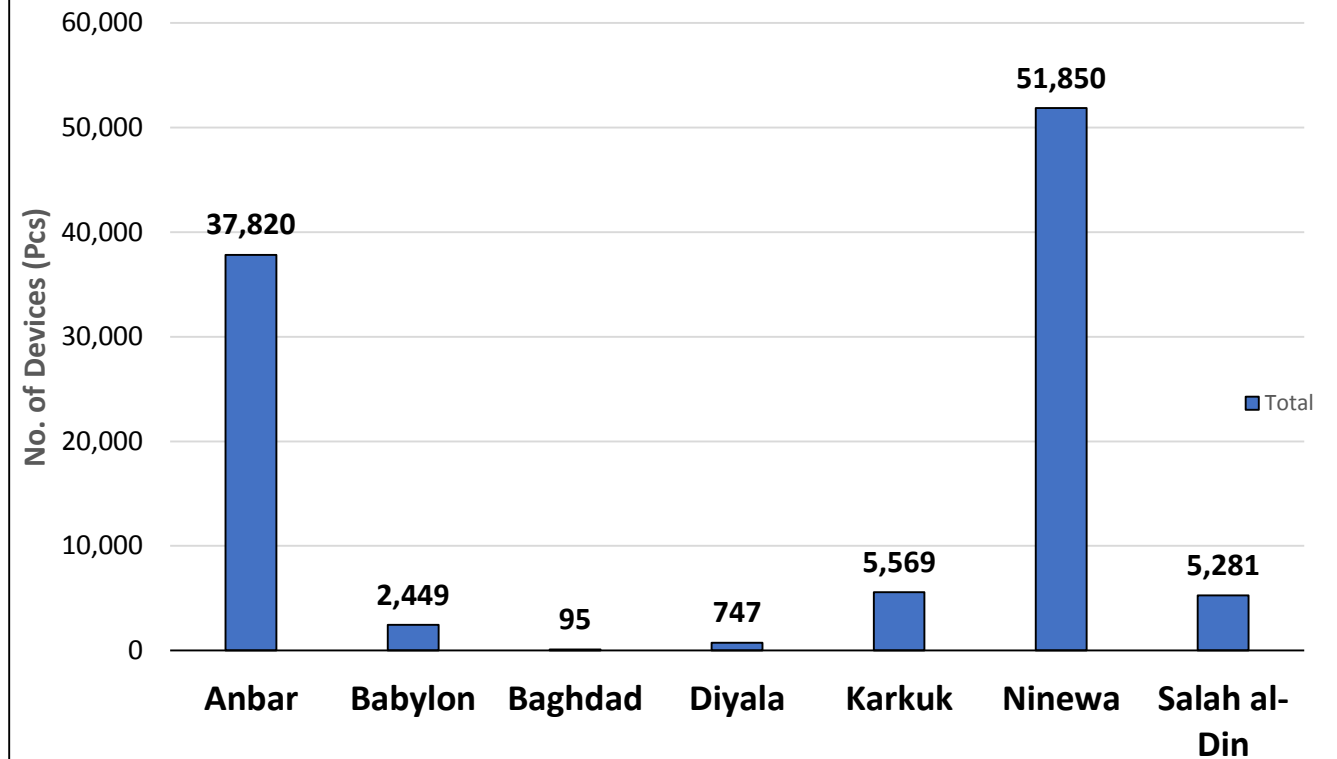
Removed/Destroyed Devices (IEDs) in Liberated Areas

Total Devices
(IEDs)

103,811 Pcs



Total Removed/Destroyed Devices by Provinces





MRE Activities

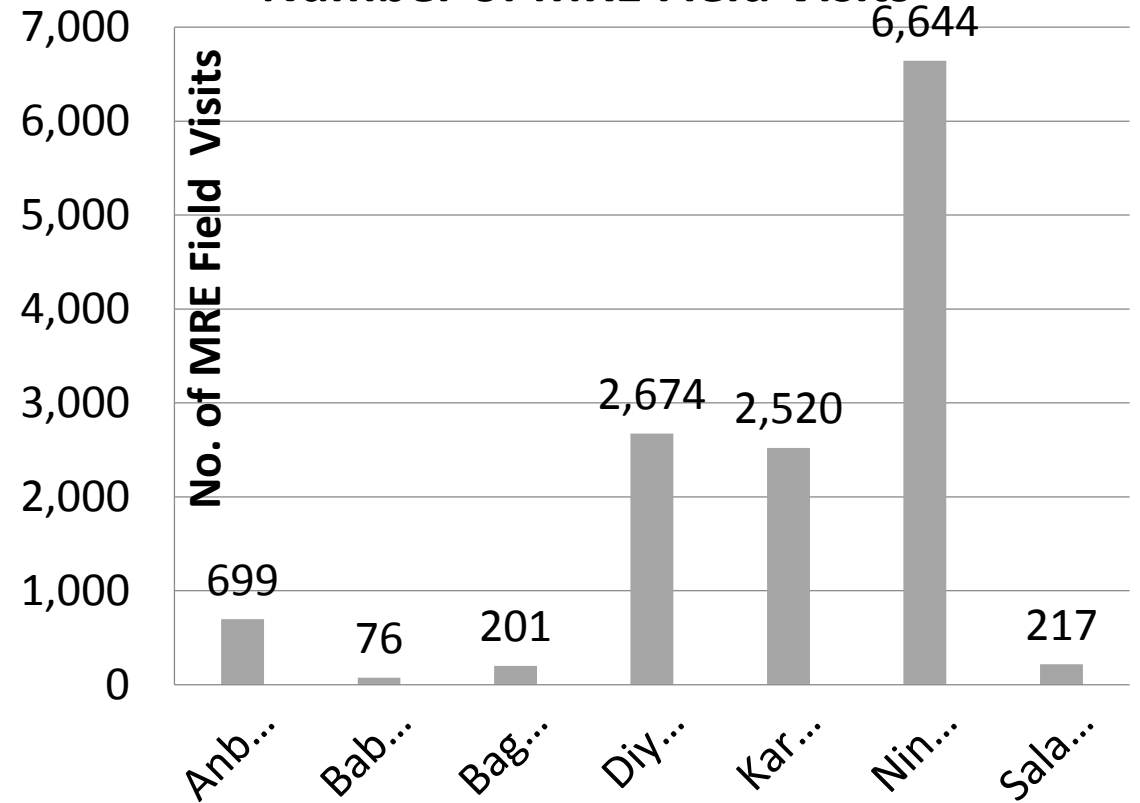
Number of MRE Visits in liberated Areas

2015 - 2017

13,031



Number of MRE Field Visits

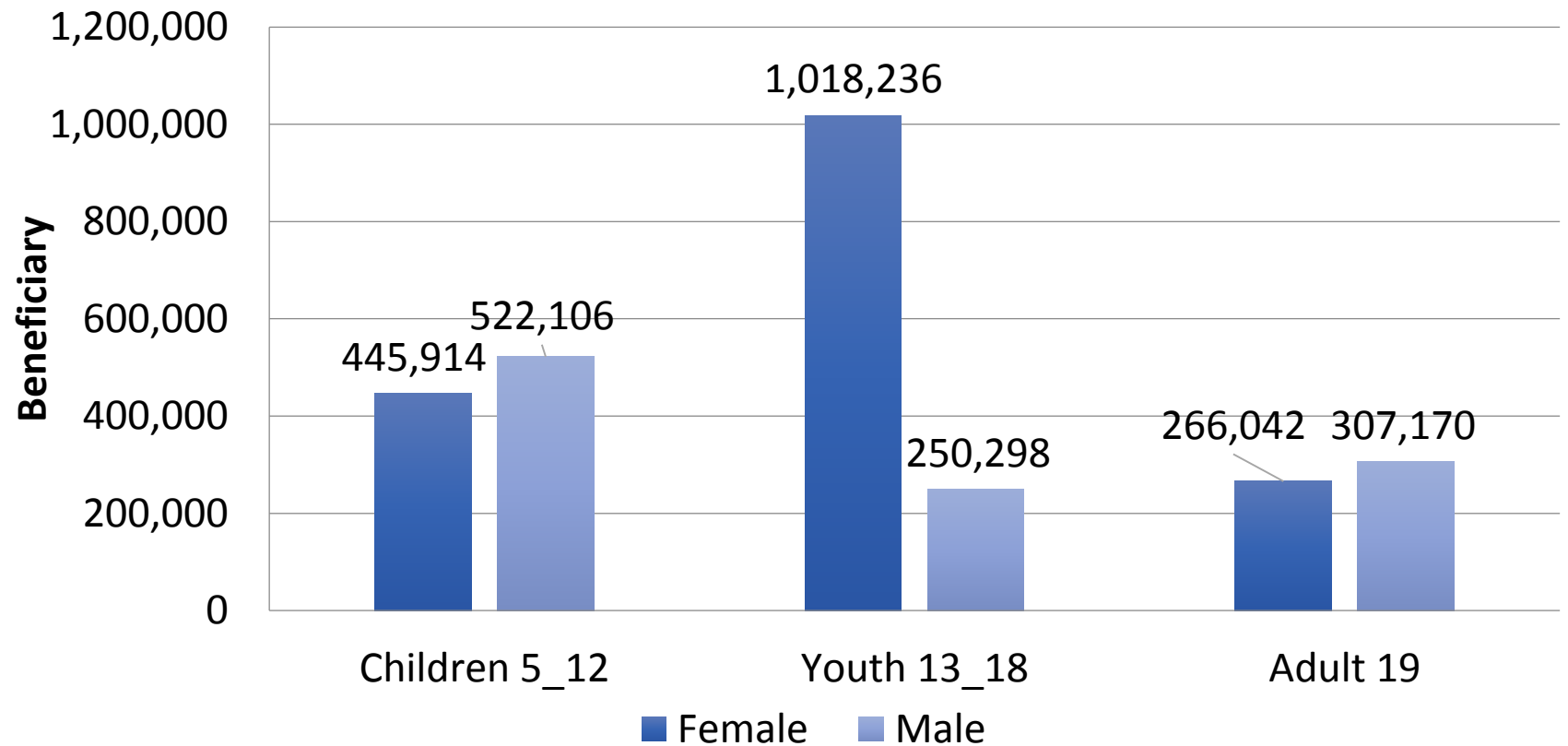




Number of MRE Beneficiaries

**Beneficiaries
from MRE
1,404,883**

Number of Beneficiary by Age and Gender





Victim Assistance

Victims Survey in Al - Fallujah district started and around 5000 victims reported



Victim Assistance
110 under the knee and 81 above the knee
for mine / ERW casualties in Iraq



After the end of the military operations in Anbar province
project of Victims statistics was launched
Number of victims more than 5000 person

Challenges

Unstable Security situation

No international Standards for IEDs.

Low No. of Operators and lack of Experiences .

Lack of information

Lack of financial resources

IDPs and Returnees





Total IDPs and rate of IDPs affected by IEDs

5,018,822

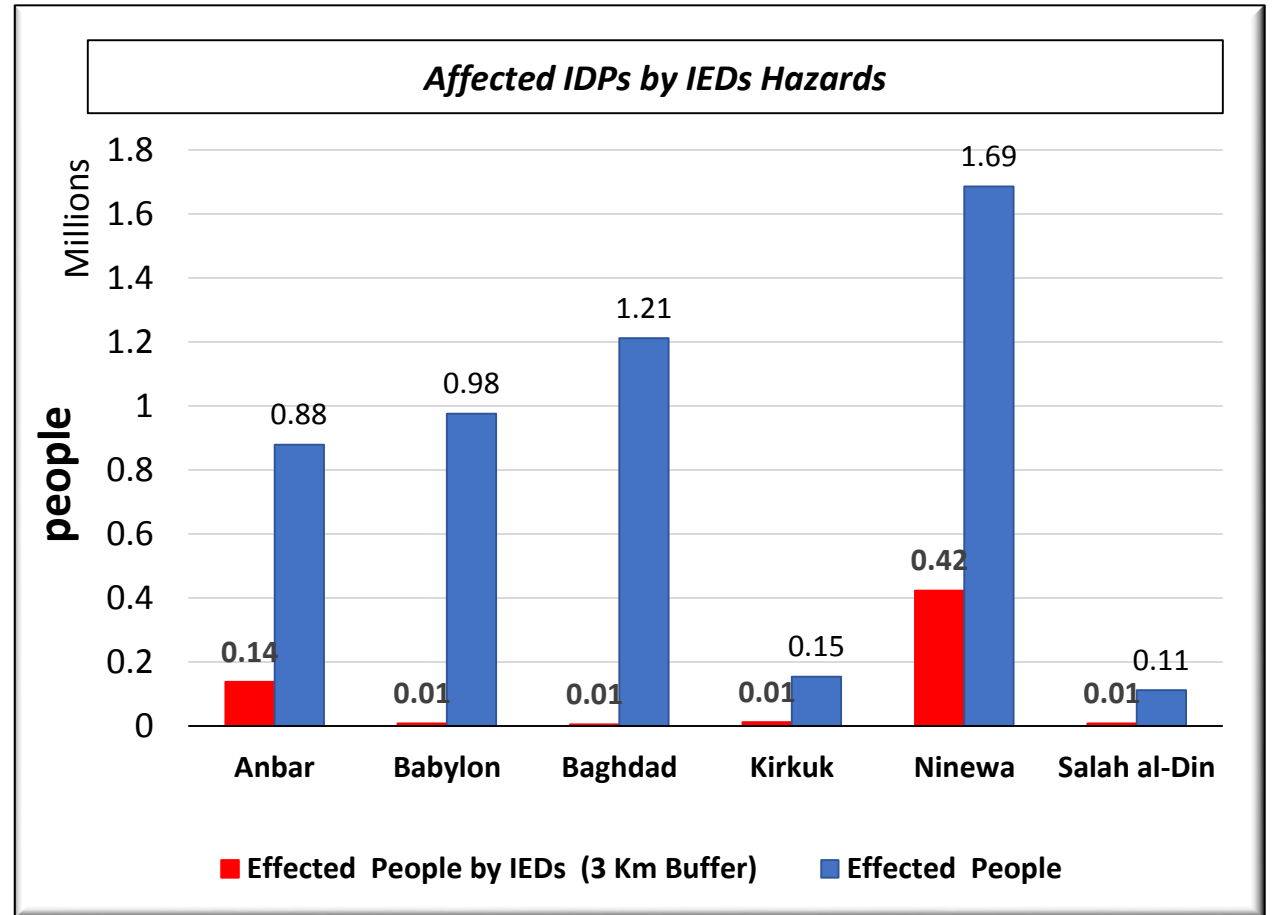
• Total IDPs

594,229

• IDPS affected

%11,8

• Rate of affected IDPs



Total Returnees and rate of Returnees affected by IEDs

3,031,806

- Total Returnees

594,229

- Affected Returnees By IEDs

20%

- Rate of affected Returnees by IEDs





Needs to face the new challenges

- Funding
- Capacity Building
- NTS for Liberated Area
- New Technology for detecting IEDs



Thank You