

World Vision®



WATER

## GLOBAL » SEMIANNUAL REPORT

October 2017 through March 2018

*Prepared July 2018*

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*Across the world, water, sanitation, and hygiene (WASH) bring smiles to the faces of families, especially women and children.*



## GLOBAL SUMMARY

*In alignment with the U.N. Sustainable Development Goal 6 (SDG 6),\* World Vision's WASH programming strategically focuses on universal and equitable WASH access. World Vision and our partners are committed to positively impacting the lives of millions through life-saving WASH services.*

Fiscal year 2018 is a milestone year for the World Vision Global WASH Program. With this semiannual report, we reached the midpoint of our five-year commitment of serving 20 million people with water by 2020. We are thrilled and humbled to share we now have reached 10.4 million people with clean water since September 2015, including 1.5 million during the first half of FY18. This achievement was made possible because of your support.

Through our partnership, we helped provide communities in rural populations with sustainable water points, including hand pumps, mechanized solar-powered water systems, and spring protection systems. This approach was used to reach a total of 9.1 million people in 40 countries.

In response to our call to reach the most vulnerable, World Vision also is reaching many people in fragile states by rehabilitating municipal water systems. Since 2016, we reached 1.3 million people with municipal water in the Middle East region (see global achievements and municipal outcomes on Page 3).

As we enter into this next phase of our five-year goal, we also will work to deepen the impact of our sanitation and hygiene work. The preliminary results of our multicountry evaluation performed by the University of North Carolina Water Institute indicated the need for improved sanitation, hygiene, and microbial water quality at the household level, in schools, and in healthcare facilities.

Already, we are working to improve sanitation and hygiene programming. World Vision is increasing the capacity of

our teams to conduct effective behavior change, including working with faith-based leaders and training children to serve as positive change agents in communities. Through our collaboration with Sesame Workshop, we continue to expand the WASH UP! program in more schools across 11 countries, and behavior-change efforts such as Community-Led Total Sanitation. As a result, 9,608 villages were certified as Open Defecation Free since 2015.

We celebrate these achievements, and for being on track to reach our 2030 goal of 50 million people. We do, however, realize our work is far from being done and is only possible with additional support. Our goal is audacious and requires partnering with communities, governments, the international development sector. Together, we will work to maintain our current rate of reaching one new person with clean water every 10 seconds (3.1 million people annually).

Through our Global WASH Program, we continue to work to bring quality, innovative, and adaptive programs, sharing what we learn along the way. World Vision will seek additional, and strengthen existing, partnerships to improve impact in our WASH programs. These strategies have proven to be effective, and have helped us achieve this milestone over the last 2.5 years. They also will help propel us toward reaching our 2030 goal.

As we work together, with everyone doing their part, we can achieve a world where everyone has access to clean water and safe sanitation and hygiene. Thank you for taking this journey with us.

\* SDG 6: To ensure availability and sustainable management of water and sanitation for all.

# GLOBAL REACH

**1.5 MILLION PEOPLE**

provided with access to clean drinking water\*

**1 MILLION PEOPLE**

gained access to improved household sanitation

**2.3 MILLION PEOPLE**

reached with hygiene behavior-change programming



## 2018 SEMIANNUAL ACCOMPLISHMENTS

29,653 water points built



211,434 sanitation facilities built



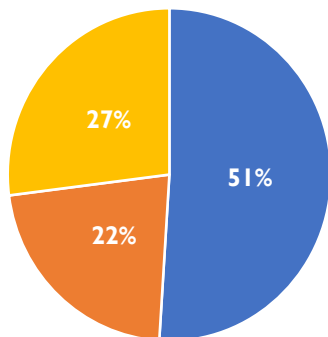
208,568 hand-washing facilities built



3,476 WASH committees formed



## 2018 SEMIANNUAL SPENDING



**\$60 MILLION** spent on global WASH programs during the first half of 2018.

- World Vision U.S. - Private Funding and Sponsorship (\$30.5 million)
- Other World Vision Offices - Private Funding and Sponsorship (\$13.2 million)
- Government, International, Local - Grants & Resource Development (\$16.3 million)

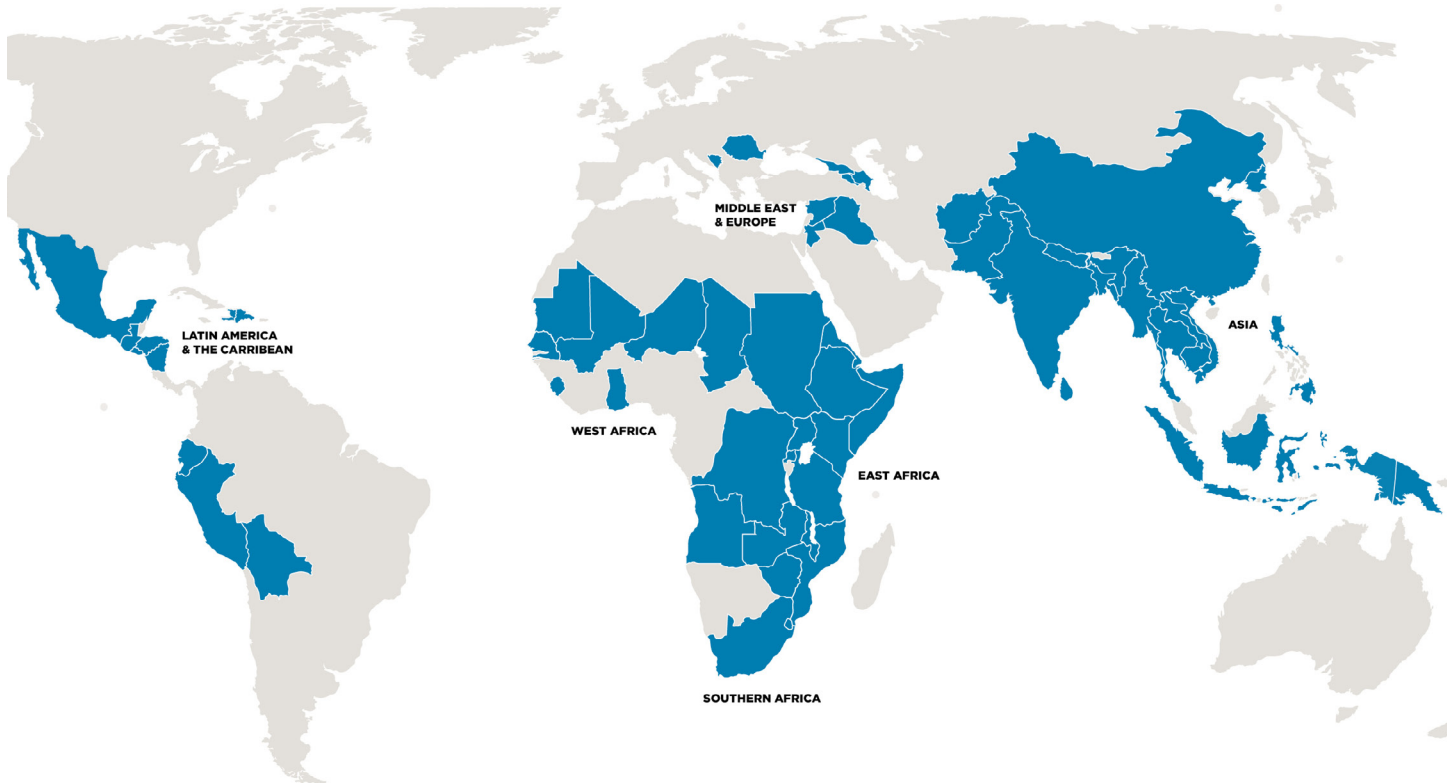
\* This includes rural community water beneficiaries (1,064,310) and municipal water beneficiaries (505,641). The 1.5 million people with access to water represent many of the same beneficiaries that received access to sanitation facilities and behavior-change programming. Of these, 538,245 were reached with World Vision U.S. private funding.

# GLOBAL ACHIEVEMENTS

2018 Semiannual Achievements	Global Annual Target	East Africa	Southern Africa	West Africa	Asia-Pacific	Latin America	Middle East	Global Semiannual Achieved	Global Achieved vs. Target
<b>OUTCOME: Access to Safe Water</b>									
People who gained access to a safe drinking water source in communities	4,116,515	502,663	229,612	116,150	187,932	18,899	9,054	1,064,310	26%
Children who gained access to a safe drinking water source at school	598,302	71,060	55,737	25,590	15,894	12,610	25,584	206,475	35%
Schools with a safe drinking water source installed	1,606	156	101	60	64	36	35	452	28%
Health centers with a safe drinking water source installed	569	45	22	16	38	1	2	124	22%
Successful boreholes completed and commissioned in communities, schools, and health centers	3,381	132	239	169	143	6	-	689	20%
Taps installed from successful water supply systems in communities, schools, and health centers	29,938	1,222	745	251	1,936	1,904	485	6,543	22%
Nonfunctioning water points rehabilitated in communities, schools, and health centers	5,365	282	490	79	21,488	36	46	22,421	418%
Households equipped with water-treatment products to disinfect drinking water	279,832	44,004	80,645	20,551	19,369	3,763	542	168,874	60%
<b>OUTCOME: Access to Sanitation</b>									
People who gained access to household sanitation	3,855,522	391,378	425,016	109,510	147,506	3,711	398	1,077,519	28%
Children who gained access to sanitation facilities at schools	598,295	40,674	45,561	13,560	19,414	5,344	25,584	150,137	25%
Household sanitation facilities constructed	449,163	75,311	91,577	13,984	28,098	730	84	209,784	47%
Communities certified as free from open defecation	5,729	367	717	89	39	-	7	1,219	21%
Improved, sex-separated sanitation facilities built at schools	14,514	435	190	205	237	107	229	1,403	10%
Schools that gained access to improved sanitation for children/youth with limited mobility	1,098	68	14	50	32	6	10	180	16%
Schools that gained access to improved sanitation for girls, with facilities to manage menstrual hygiene	1,527	51	10	24	37	10	11	143	9%
Improved, sex-separated sanitation facilities built at health centers	1,542	145	27	23	36	-	16	247	16%
Health centers that gained access to sex-separated sanitation facilities designed for people with limited mobility and appropriate for managing menstrual hygiene	499	45	25	7	12	-	8	97	19%
<b>OUTCOME: Improved Hygiene Practices</b>									
People who benefited from hygiene behavior-change promotion in communities	4,672,903	648,778	630,239	319,077	671,526	25,311	17,720	2,312,651	49%
Children who gained access to hand-washing facilities at schools	770,094	56,810	125,009	56,838	160,131	7,296	28,626	434,710	56%
Households that gained access to hand-washing facilities	476,966	69,835	90,287	17,433	29,549	1,295	169	208,568	44%
Schools that gained access to hand-washing facilities	2,186	172	219	376	1,010	37	53	1,867	85%
Health centers that gained access to hand-washing facilities	901	51	33	20	24	-	2	130	14%
<b>OUTCOME: Improved Community Capacity for Sustainability</b>									
WASH committees formed or reactivated with a financing system for maintenance and repair	6,147	1,009	1,489	588	331	48	11	3,476	57%
People trained in repair, maintenance, and construction of WASH facilities	8,739	563	745	974	739	41	-	3,062	35%
Functional Citizen Voice and Action (CVA) groups focused on WASH	844	56	180	110	28	10	-	384	45%
Faith leaders who participated in hygiene, sanitation, or behavior-change programming	6,289	702	5,541	302	500	162	22	7,229	115%
School WASH clubs or programs established	2,396	426	240	217	182	371	62	1,498	63%
<b>OUTCOME: Access to WASH in Urban Settings</b>									
People with access to municipal water supply systems	581,540	-	-	-	-	-	505,641	505,641	87%
People with access to municipal sewage systems	151,670	-	-	-	-	-	100,638	100,638	66%
People with access to municipal solid waste disposal	-	-	-	-	10,000	-	42,318	52,318	0%
<b>OUTCOME: Access to WASH in Emergency Settings</b>									
People with access to emergency drinking water supplies	267,955	241,735	83,900	8,600	60,000	310	16,150	410,695	153%
People with access to emergency sanitation systems	266,955	23,278	-	4,575	60,500	-	17,024	105,377	39%
People with access to appropriate solid-waste disposal facilities	672,360	59,757	-	-	78,000	-	185,144	322,901	48%
People with access to emergency hygiene supplies	237,821	85,072	19,683	22,435	64,930	4,864	129,871	326,855	137%

# GLOBAL MAP

## WORLD VISION'S GLOBAL WASH PROGRAM REGIONS & COUNTRIES\* IN 2018:



### ASIA-PACIFIC

BANGLADESH  
 CAMBODIA  
 CHINA  
 INDIA  
 INDONESIA  
 LAOS  
 MONGOLIA  
 MYANMAR  
 NEPAL  
 NORTH KOREA  
 PAPUA NEW GUINEA  
 PHILIPPINES  
 SOLOMON ISLANDS  
 SRI LANKA  
 TIMOR LESTE  
 THAILAND  
 VANUATU  
 VIETNAM

### LATIN AMERICA & CARIBBEAN

BOLIVIA  
 DOMINICAN REPUBLIC  
 ECUADOR  
 EL SALVADOR  
 HAITI  
 HONDURAS  
 GUATEMALA  
 MEXICO  
 NICARAGUA  
 PERU

### MIDDLE EAST & EUROPE

AFGHANISTAN  
 BOSNIA-HERZEGOVINA  
 IRAQ  
 JORDAN

LEBANON  
 PAKISTAN  
 ROMANIA  
 SYRIA

### EAST AFRICA

BURUNDI  
 ETHIOPIA  
 KENYA  
 RWANDA  
 SOMALIA  
 SOUTH SUDAN  
 SUDAN  
 TANZANIA  
 UGANDA

### SOUTHERN AFRICA

ANGOLA  
 D. REPUBLIC OF CONGO  
 LESOTHO  
 MALAWI  
 MOZAMBIQUE  
 SOUTH AFRICA  
 SWAZILAND  
 ZAMBIA  
 ZIMBABWE

### WEST AFRICA

CHAD  
 GHANA  
 MALI  
 MAURITANIA  
 NIGER  
 SENEGAL  
 SIERRA LEONE

*\* Includes all globally funded WASH programs.  
 This report features WASH programs supported  
 by World Vision U.S. private funding.*

# PARTNERSHIP UPDATES

*Our semiannual achievements were possible due to support from many committed partners. Here are some partner highlights:*

## **charity: water**

In West Africa, World Vision Mali and Niger completed charity: water grants for \$1.15 million and \$1 million respectively, during the first half of FY18. The Mali WASH team continued implementing a \$3 million grant that began in September 2017. Niger began implementing a new charity: water grant for \$1.25 in February 2018.

In Southern Africa, Mozambique ended a \$1.35 million grant and started a \$1.5 million grant in Q2. Malawi continues to implement a \$1.25 million grant, which will end July 31. More importantly, Malawi submitted a \$1.25 million proposal with a vision of covering an entire district with charity: water funding over the next five years.

## **Conrad N. Hilton Foundation**

World Vision Mali continues to implement WASH in healthcare facilities using the grant awarded in FY16. This \$3 million, three-year grant will end in September 2019. World Vision Ghana, Mali, and Niger submitted a joint proposal to the Conrad N. Hilton Foundation for \$800,000, which was approved by the board. This is a planning grant, which will result in multiyear grant proposals for each country submitted to the Conrad N. Hilton Foundation for board approval.

## **Golf Fore Africa**

World Vision has signed a five-year agreement with Golf Fore Africa. Between 2016 and 2021, the group has set a fundraising target of \$10 million to support transformational programs that address extreme poverty in Africa, specifically Zambia. In FY18, Golf Fore Africa already has raised money for six mechanized systems and 42 drilled wells.

## **Grundfos**

In this semiannual reporting period, nine country offices (Angola, Chad, Ethiopia, Kenya, Malawi, Rwanda, Tanzania, Zimbabwe, and Mexico) have requested and ordered either Grundfos pumps and/or AQTap water dispensing units. The supply chain processes for most of the orders are underway. Those that have been received will be installed by the end of September.

## **Messiah College**

Messiah College continues to partner with World Vision in two areas of study: Affordable Sanitation, and the Intelligent Water Project. Both studies are tested and piloted in Ghana. The Affordable Sanitation initiative involves the design and development of a long-lasting and affordable latrine liner for households, focusing on two communities in northern Ghana. The Intelligent Water Project seeks to develop a real-time interactive system to determine the functionality and health of India Mark II hand pumps.

## **P&G**

In FY18, World Vision continued with drought response projects in Kenya and Somalia and is responding to a new flood emergency in India. Bridge projects from FY17 continued in 11 countries: Cambodia, Ghana, Indonesia, Kenya, Mali, Mauritania, Mexico, Myanmar, Niger, Sierra Leone, and Somalia; while two new projects opened in Afghanistan and Senegal. In the first half of FY18, Afghanistan used the P&G packets as a bridge solution.

## **Sesame Workshop**

World Vision and Sesame Workshop are now implementing the WASH UP! curriculum in 11 countries: Ghana, Malawi, Mali, Niger, Zambia, and Zimbabwe in Africa, as well as Honduras, the Kurdistan Region of Iraq, Jordan, Lebanon, and Afghanistan.



The Zambia WASH UP! program is completing an evaluation by Stanford University, and results will be available by the end of FY18. We are currently planning the expansion of WASH UP! to India and Kenya.

## **United Solar Initiatives (USI)**

Feedback from the previous training last year by World Vision WASH staff recommended that joint trainings conducted by United Solar Initiatives and Grundfos would be beneficial and add value to staff efforts to ensure solar-powered water supply systems are functional and efficient. Identification of training needs and topics are under discussion with regional WASH leaders.

## **University of North Carolina (UNC)**

World Vision has a six-year partnership with UNC to conduct ongoing multicountry evaluations and research. Midline data collection occurred largely over the summer of 2017 in 14 countries. UNC has completed preliminary data analysis. We are now working with national and regional offices to further discuss these findings and adopt programming improvements.

# EAST AFRICA WASH

**502,663 PEOPLE** in East Africa provided with access to clean water during the first half of FY18. **391,378** people gained access to sanitation and **648,778** people participated in hygiene education.



*1,009 WASH committees formed and trained*



*172 schools gained access to hand-washing facilities*



*145 sanitation facilities built at health centers*

The East Africa WASH Program collaborated with the government, community groups, and faith leaders to make WASH services accessible in nine countries, especially through prolonged seasons of drought, famine, and civil unrest. A total of 14 WASH staff are enrolled in university capacity-building programs to ensure staff have the needed skills to implement quality and sustainable WASH programs. Finally, with a key focus on empowering children as agents of change, we achieved 71 percent of the annual target for school WASH clubs formed in the first six months of FY18.



## Innovations and Partnerships

- In Rwanda, World Vision is testing the use of remote water sensors for metering water flow at taps. These devices inform private water operators on real-time daily water consumption and help operators flag when repairs are needed.
- In Kenya, 96 SE200 chlorinating devices were distributed to seven area programs. With this simple, low-cost device, families can treat water with chlorine made with salt.
- In Uganda, the WASH team trained 72 teachers on how to make reusable sanitary towels. Teachers have passed on their skills to hundreds of students and parents, who can promote a consistent supply of menstrual materials.
- In Somalia, advocacy was furthered by training government officials on water quality testing. With this knowledge, communities can hold the local government accountable to provide quality water.
- In Tanzania, the WASH team reached even more people with Community-Led Total Sanitation

through demonstrations at religious institutions and marketplaces.

*“I’m probably one of the luckiest people to see community members in their happiest days as we deliver clean water to them in these remote places. I’m proud to call myself a member of the World Vision team.”*

*—Frewoini Girma,  
WASH officer, Ethiopia*

## Know Where you Go: Sanitation Mapping

Hygiene and sanitation was a huge challenge at Kombosang School in Kenya. Mr. Kipsenei, a schoolteacher, shared, “Children defecate everywhere, at the door step, behind the latrine, and this is as a result of open defecation back in their homes. It poses a health hazard as most children have no shoes and barely wash their hands after visiting the latrine.” As a result, students mapped their village and school area to identify potential sites for open defecation, and all the ways they were making themselves sick by walking in or ingesting fecal matter. By educating children, we empower a future generation to reduce open defecation.







“The health club is my new family, they are always here for me as my mother would have been.”

—Aurelia, 38

## IMPACT STORY: EAST AFRICA

### A FAMILY LIKE NO OTHER

*Aurelia’s life is full of joy and challenges. While in the fifth grade, one of her legs became disabled, and in adulthood her hands became paralyzed. A strong, resilient woman, this did not stop her from being a loving mother and eventually an entrepreneur.*

Aurelia Batamuriza, 38, lives in Rwagitima village located in Rwanda. As a person living with disability, Aurelia relied heavily on her mother for support. When her mother passed away, life was not easy for Aurelia because there was no one to take care of her. As a woman of faith, she continued to believe that her life is in God’s hands, and that He could provide a new family.

A community health club (CHC) was formed and trained by World Vision in 2012, with the goal of teaching the community how to change their behavior to be healthier. The clubs began producing soap and collecting funds for small rotating loans.

Aurelia soon joined the CHC and learned the importance of having a household latrine and hand-washing facility. She rallied support from the club, and members helped construct these facilities in her home.

More so, Aurelia invested her savings in the village loan program of the CHC, and used the funds to buy chairs for her home and school materials for her children. Her CHC family helped her make bricks, and she constructed another house for rental income.

“World Vision taught us to save the very little money we have,” said Aurelia. “I joined the group without hope, I never thought I’d get where I am now. I requested a loan from the savings group and built this house, the tenants pay me every month, and I can pay people who cultivate for me. I live with disability, but I do not beg anyone [for help]. I thank God who answered my prayers and brought World Vision here. The health clubs helped me leave my depressed life.”

As a World Vision family, we celebrate the dignity and independence that Aurelia enjoys through WASH programs in her community.

# SOUTHERN AFRICA WASH

**229,612 PEOPLE** in Southern Africa provided with access to clean water during the first half of FY18. **425,016** people gained access to sanitation, and **630,239** people participated in hygiene education.



**1,489 WASH committees** formed and trained



**219 schools** gained access to hand-washing facilities



**25 health centers** gained access to improved sanitation facilities

Because of your generosity during the first half of FY18, Southern Africa WASH programs provided emergency WASH where needed, continued to help vulnerable communities access safe water, and ramped up efforts to provide safe sanitation and hygiene.

In Angola, trained WASH committees are now leading Community-Led Total Sanitation, and 940 households have constructed latrines and hand-washing facilities. In Lesotho, the children from 22 newly formed WASH clubs have helped pass on hygiene messages to 3,206 additional children.



## Innovations and Partnerships

- In response to the widespread cholera outbreak, the Malawi WASH team collaborated with local-level government to promote household water treatment, trained faith leaders to work with villages to build latrines and hand-washing stations, and joined with other nongovernmental organizations to educate communities about cholera. More than 51,700 people gained access to emergency water supplies, and 19,300 people to hygiene supplies.
- Through UNICEF emergency WASH funding of nearly \$1 million, the Zambia WASH Program prioritized the provision of clean water to Congolese refugees in Zambia. UNICEF identified World Vision as the sole organization capable of constructing 60 boreholes and 1,000 latrines, assigning leadership of all its water intervention efforts in the Kenani Transit Center and Mantapala Refugee Camp.
- The Zimbabwe WASH team launched a new program in partnership with Sesame Workshop—Girl Talk! The program is funded by Dubai Cares. Girl Talk! is designed to address and improve students' knowledge, attitudes, and behaviors about menstrual hygiene management and puberty, and to empower girls around these issues. Already, 100 schools have been identified to participate in the pilot, and teachers will be trained in Q3.

## WASH Helps Villages Go Clean

Communities in the Democratic Republic of the Congo (DRC) want to be clean, and the DRC WASH Program is helping them obtain their “Clean Village” certification. To be certified, a community must have an active health or water committee, and at least 80 percent of the population with access to clean water, regular use of hygienic household latrines, and hygienic disposal of household waste. Also, at least 70 percent of the population must demonstrate an understanding of the fecal-oral route of disease transmission, and at least 60 percent of the population must wash their hands before meals and after latrine use. Finally, a community must clean its village monthly. This reporting period, the DRC WASH team helped four communities obtain “Clean Village” certifications. “Thank you, World Vision, for the Clean Village committee and for the lessons learned from them,” said Antoinette, 47.





## IMPACT STORY: SOUTHERN AFRICA

# HOPE RESTORED THROUGH WASH

*Congolese children and families continue to flee from their homes, seeking relief and refuge in neighboring countries, like Zambia. Today, more than 42,000 DRC refugees and asylum seekers reside in Zambia, mostly at the Kenani Transit Center and Mantapala Refugee Camp. World Vision is helping to provide hope and stability for refugee families through WASH and employment opportunities.*



... We have no one complaining about water because people are receiving enough.”

—Danny

Danny Chishimba, 27, and his wife, Kasawa, (both pictured below left), were forced to take their two small children and leave home. Life was simply too unbearable in Mpweto in the DRC. They had hoped for a better life in Zambia, but were sorely surprised. “When the camp was set up, we only had a few water points. World Vision was providing water through water trucking. [But,] the water was not enough, many of us fetched water from Lake Mweru,” recalled Danny.

is helping me to buy food and clothing ... and largely supplements the food rations we have been receiving, which have not been enough to see my family through to the month end.

“[Also], we have no one complaining about water because people are receiving enough water. They are receiving 60,000 liters of water, a day,” Danny joyfully explained.

Kasawa added, “I am able to look clean because of the income my husband is receiving. I had to leave most of my clothes in the DRC.”



The Zambia WASH team, realizing the continued influx of Congolese refugees to the Kenani Transit Center and related WASH demands, moved forward to construct mechanized piped-water systems powered by solar panels. The team also sought employees from among the residents, hiring refugees to dig trenches for the piped network and for the casting of concrete slabs for water distribution sites. Skilled workers were hired for more complex tasks. Danny, a plumber, helped lay the pipes for the network.

In the first half of FY18, the Zambia WASH team helped 15,166 Congolese children and adults living in the Kenani Transit Center and Mantapala Refugee Camp gain much-needed access to clean water. Families received clean water through water trucking, seven newly constructed boreholes with hand pumps, three mechanized piped-water systems with 34 taps, and one capped spring with two taps.

With UNICEF emergency WASH funding of nearly \$1 million, the WASH team will continue to construct a total of 60 boreholes and 1,000 latrines for refugee families living in Kenani Transit Center and Mantapala Refugee Camp.



“I am not just benefiting from the piped-water now, but I have been selected to manage the water systems and receive about K500 (\$50) per month as appreciation for the work I am doing,” said Danny. “The income

*Top: Children happily collect water from the new piped-water system.*

*Middle: Danny treats water with chlorine to keep it clean.*

*Bottom: Kasawa wash her dishes using clean water from the new system.*

# WEST AFRICA WASH

**116,150 PEOPLE** in West Africa provided with access to clean water during the first half of FY18. **109,510** people gained access to sanitation, and **319,077** people participated in hygiene education.



588 WASH committees formed and trained



376 schools gained access to hand-washing facilities



22,435 people who gained access to emergency hygiene supplies

World Vision brought together WASH program staff from eight countries in West Africa to review progress and shared learnings in Accra, Ghana, in early November 2017. Discussions focused on plans for fulfilling our commitment to safe and sustainable water and sanitation for all in the region, in alignment with SDG 6.

Chad, Mali, and Niger continue to face challenges with insecurity and unrest. Despite this, our dedicated staff are expanding our emergency response work to serve more children and families with much needed clean water, sanitation, and emergency hygiene kits.



## Innovations and Partnerships

- World Vision's office in Niger was recognized with an award by the national government for best development actor based on effective collaboration, as well as the scale of our impact in the country.
- World Vision offices in Ghana, Mali, and Niger developed plans for district-based universal coverage during this reporting period with support from the Conrad N. Hilton Foundation and in partnership with local governments, national ministries, and communities, along with other international development organizations.
- In collaboration with Sesame Workshop, World Vision continued implementing WASH UP! in Ghana, Mali, and Niger, to teach schoolchildren about the importance of proper sanitation and hygiene and to empower them to be agents of change in their families and communities.

*I expressed my satisfaction for knowledge acquired through World Vision menstrual hygiene trainings and the provision of safe and dignified latrines in my school. Before now I have been absent from school ... during my menstruation periods. I am now confident in sensitizing my younger sisters at home and school. I am, therefore, grateful to World Vision."*

—Isata, 16, Sierra Leone

## A Partnership for Stronger Latrines

World Vision is partnering with Duraplast, a plastics manufacturing company, to create a plastic latrine called "Digni Loo." This improved, long-lasting product is intended to replace latrines constructed with less reliable materials which tend to cave in. Digni Loo is being piloted in two program areas and has been positively received by community members, who are increasingly aware of the health risks of open defecation and desire to have dignified and sanitary latrines in their homes. Latrine artisans have been equipped to help households build and maintain durable latrines using locally available materials, thus benefiting the local economy.





## IMPACT STORY: WEST AFRICA

### MAKING BIRTHS SAFER

*In Mali, giving birth can be deadly. A Malian women has a one in 27 lifetime risk of maternal death (compared with an American woman's one in 3,800 lifetime risk). Lack of safe water and basic sanitation in health facilities is one contributing factor. Thanks to you, this is changing as healthcare facilities in Mali gain access to these vital services.*

“The lack of water has become a sad memory today.”

—Makalou, obstetric nurse

Before water was acquired at the community health center in Manta, a remote village in the Koulikoro region of Mali, women suffered greatly when they gave birth at the center:

When women were ready to give birth, older women accompanied them to the hospital and were responsible for collecting water from the village wells, which dried up during the dry season. During this period, deliveries were more complicated because it was impossible to maintain hygienic conditions with no water.

The health center obstetric nurse, Makalou, explained, “I am a woman; I was obliged to deliver babies to women like me in these bad hygienic conditions. There were no alternatives. To give life is the hardest test. Sometimes two or three women gave birth, one after another, and we had only one delivery table that could not be cleaned properly for lack of water.”

Fortunately, the acquisition of clean water ended an ordeal that women and health center workers had endured for years. The installation of a solar-powered pump and water tank at the hospital ended the drudgery and humiliation that women had endured during deliveries.

“When I gave birth to my third child, the health center had just been equipped with a pump,” said Oumou. “After giving birth, I was treated to a

full bath that I had never had during my first two deliveries. My mother-in-law, who accompanied me, washed all my blood-stained clothes in the hospital compound. The acquisition of water restored our intimacy and our dignity.”

Aminata, another mother at the health center, added, “God heard our prayers and put an end to the suffering that we Manta women suffered. The water available was not enough to wash my baby, myself, and the instruments during my deliveries. Today, I thank God.”

World Vision’s WASH interventions at this health facility are primarily preventive. The sanitation of a health center contributes to the improvement of the health status of community members and allows medical teams to treat patients in the best possible conditions.

Makalou, the obstetric nurse said, “Today, we are proud of our health area. The acquisition of this pump has allowed us to clean up our health center. All my patients are entitled to a complete bath, [and] the material used is washed and sterilized immediately. The lack of water has become a sad memory today.”

On behalf of Oumou, Aminata, Makalou, and the entire Manta community, thank you for supporting the Mali WASH Program.



When Oumou gave birth to her third child, she had adequate water for a safe delivery.

# ASIA-PACIFIC WASH

**187,932 PEOPLE** in Asia-Pacific provided with access to clean water during the first half of FY18. **147,506** people gained access to sanitation, and **671,526** people participated in hygiene education.



**21,488 nonfunctioning water points rehabilitated**



**182 schools WASH clubs formed and trained**



**500 faith leaders participated in WASH programming**

Nearly 289 million people in Asia-Pacific, especially in areas where we work, lack access to basic water services. As the region experienced increased natural and man-made disasters, preparation and planning is key to meet WASH needs. More than 19,000 households were equipped with water-treatment products, including P&G Purifier of Water. During the semiannual period, the region nearly met or exceeded all its hygiene practice targets. As part of integrated nutrition, health, education and WASH projects, and trained community health volunteers shared hygiene messages.



## Innovations and Partnerships

- In Cambodia, World Vision launched BabyWASH, an approach integrating WASH with maternal, newborn, child health; early childhood development; and nutrition to have a more profound impact on mother and child health in the first 1,000 days of life.
- In India, the mWater tool was used to capture WASH data from 277 households. mWater makes it simple to collect surveys and forms on mobile phones and tablets, capturing real time data for quick decision-making.
- In North Korea, World Vision received 14 sets of Grundfos pumps and controllers that can serve more than 1,000 homes, and will be installed by FY19.
- In Sri Lanka, mobile water clinics were piloted for the local government to rapidly test water quality in remote areas. With more frequent testing, communities can hold the government accountable for providing higher water quality.
- In Myanmar and Indonesia, we responded to emergency WASH

needs by distributing P&G Purifier of Water packets to help thousands of families treat water at home.

“*Nowadays our dignity and respect have been recovered, we have the privacy, whatever season or time of day, we need not worry about open defecation.*”

—Ruby Devi, mother of three living in India

## Empowering Enoch: Disability-Inclusive WASH at School

Enoch Wedewa, 20, likes going to school, but he lives in a remote village in Papua New Guinea and was born with physical disabilities. At his school, students would collect water by the river. When it rained, it was very slippery and dangerous for Enoch. World Vision worked with his school and community to break down the stigma of people living with disability. In addition, we constructed accessible taps, latrines (ramps and larger slabs and doorframes), pathways, and handrails. Schools are good demonstration points, helping community members to prioritize disability-inclusive WASH infrastructure as well. Now that Enoch can care for his WASH needs, he is more likely to stay and participate in school.





## IMPACT STORY: ASIA-PACIFIC

### DIGNITY FOR MOTHERS

*Of all her worries since escaping the violence in Myanmar, Nur Banu (pictured left) is thankful that she no longer fears being sexually harassed while collecting water for her children.*

Nur Banu lives in a refugee camp in Bangladesh, and would walk 30 to 40 minutes just to collect water from a canal. She always went with a group of women for fear of being sexually assaulted. Some 5,617 cases of gender-based violence have been reported in the refugee camps in Bangladesh since August 2017, according to a recent Inter-sector Coordination Group report. The risk of assault increased at night because of insufficient lighting in the refugee camps.

If Nur Banu collected water during the day, she had to take her children, ages 2 and 7, with her on the long walk in the hot sun. Her husband could not stay with them because he had to line up for food and other relief items being distributed in the camp.

“There have been stories of children being kidnapped, so I couldn’t leave them alone in our tent,” said Nur. “I didn’t mind if I had to keep going back to get more water, as long as I was sure that my children were safe.”

Sadly, the contaminated canal water made Nur’s whole family sick. Her children, and her husband often suffered from diarrhea.

Now with clean water just a stone’s throw away from their tent, Nur is at peace. She doesn’t have to worry about her children contracting waterborne diseases, or for their personal safety. “This water pump means a lot to me and my neighbors,” she shared, referring to the deep tube well that World Vision, in partnership with UNICEF, installed near her tent. It is one of 54 deep tube wells that provide clean, safe water to 54,000 refugees.

Nur’s daughter, Jannat, 7, likes the new well, too. “Now I can drink as much water as I want without having to walk far with my mother to get more. I have more time to play and I don’t have to walk in the hot sun.” Jannat even helps her mother by collecting water with her own small bucket.

To help more families, World Vision recently received a \$1.7 million grant from UNICEF to install 56 additional wells and construct 1,850 latrines, as well as safe bathing spaces for women and girls. The one-year project will benefit 1.2 million people in the refugee camps and surrounding communities in Bangladesh.

“I am not worried when she goes to the pump because I can watch her from our tent. May God bless all the people who are helping us.”

—Nur Banu, mother living in a refugee camp

# LATIN AMERICA & CARIBBEAN WASH

**18,899 PEOPLE** in Latin America and Caribbean provided with access to clean water during the first half of FY18, **5,344 children** gained access to sanitation, and **25,311** people participated in hygiene education.



**1,946** new and rehabilitated water points built



**371** school WASH clubs formed



**1,295** households gained access to hand-washing facilities

World Vision brought together WASH program staff from five countries in the region to review progress and share learnings in Santa Cruz, Bolivia, in November 2017. Programming in the region continues to emphasize WASH in schools—12,610 students were reached with clean water at 36 schools during the reporting period.

In Honduras, WASH program operations were impacted by civil unrest related to disputed presidential elections, from October through February. By March, WASH program activities were back on track.



## Innovations and Partnerships

- Despite travel limitations, the Honduras WASH Program trained 945 children in WASH UP! in partnership with Sesame Workshop, the Ministry of Education, and other nongovernmental organizations. Partners began planning to scale up the program to 140 schools.
- The Mexico WASH Program's partnership to provide clean water using P&G Purifier of Water packets was highlighted in a documentary by P&G and National Geographic, "Transforming Lives through the Power of Clean Water."
- The Nicaragua WASH Program is partnering with the Ministry of Health to support hygiene behavior change using community health volunteers to be trained as hygiene promoters during the second half of the fiscal year. In total, 36 hygiene promoters were trained during Q1 and Q2.

*"I want to thank the donors and World Vision for training me. I am committed to continue working hard in the project for the community to change. I am very happy because, thanks to the project, I will now have access to water and we are also making a change in our community, which benefits my family."*

—Soledana, 40, Mexico

## Improving Sanitation and Hygiene Conditions for Better Health

Soledana is a mother of four from Xopilapa, Veracruz, in Mexico. She shares her experience here. "I live in a community where we are accustomed to having poorly built latrines, with little privacy, unsafe, with holes everywhere. ... This has really affected the environment, our homes, and our hygiene. Since the moment there was a water intervention in the community, World Vision has motivated us to improve our sanitation conditions on our own. ... They explained [to] us which actions to undertake ... to have good health, safety, and privacy conditions. They also explained [to] us that we need to complement this effort with the installation of a washbasin. World Vision provided us with advice so that we could improve the latrines, and now I [have] a clean space with a door, and rainwater does not get in it anymore. In addition to that, I already have a washbasin near the bathroom, with water and soap. Now, even my children wash their hands after they go to the toilet."







*Johanna Hernandez, 23, holds her son David, 5, so he can wash his face and drink clean water flowing from one of the taps in the Jamastran program area, built by the community with funding from Refined Technologies and other Honduras WASH donors.*

## IMPACT STORY: LATIN AMERICA & CARRIBEAN

### SAFE WATER CHANGES LIVES

Drinking dirty water created perpetual health problems for the 3,000 people who live in two communities—Sartenejas and Zamorano—in the Jamastran program area in Eastern Honduras. Local residents collected water from the Hato River, which was contaminated by animals that drank and expelled waste there, and by pesticides that trickled into the river from the coffee and tobacco fields that provided residents a meager income.

The local health clinic routinely treated children who were malnourished and suffering from diarrhea, and sometimes, cholera. Some damage can never be undone. “It affects their cognitive development,” said Dr. Zulema Lopez. To make matters worse, the clinic also got its water from the Hato River. The water in the delivery room was so brown and dirty, healthcare staff did not even use it to wash their hands.

Families suffered the most. Every day, Johanna Hernandez, 23, walked 3.7 miles with her sons, David, 5, and Noe, 3, to get water from the river for drinking, cooking, and cleaning. Shivering, she waded knee-deep into the cold, dirty water, while the boys played on the bank. Once, David nearly drowned as he was swept away by the current. Fortunately, a big rock stopped him, and he survived.

by the current. Fortunately, a big rock stopped him, and he survived.

In August 2017, work began to bring water to the these two communities, with funding from Refined Technologies, a chemical decontamination company in Houston, Texas, and other Honduras WASH donors. The project kicked off with a miracle when drillers, on the first try, discovered clean water. More than 600 community members then began backbreaking work that lasted four months, moving heavy rocks and digging 25 miles of trenches. In addition, a massive 60,000-gallon water tank was constructed. A water committee, comprising men and women, was formed to oversee construction and maintenance of the system.

In January 2018, 3,000 people received clean water—many for the first time. The local health clinic in Jamastran also received safe water. World Vision plans to implement a pilot project at the clinic that will help mothers-to-be prepare their homes for a newborn, deliver in a hygienic health clinic, and after delivery, ensure their babies are protected from infection. On behalf of the Sartenejas and Zamorano communities, thank you for supporting the Honduras WASH Program.

# MIDDLE EAST WASH

**514,695 PEOPLE** in the Middle East provided with access to clean water during the first half of FY18. An additional **89,084** people received access to emergency drinking water supplies (of which 16,150 people received WASH services for the first time).



25,584 children gained access to a safe drinking water source at school



53 schools gained access to hand-washing facilities



8 health centers gained access to improved sanitation facilities

Children across the Middle East freely smile because of your gift of safe WASH. Despite turbulent and uncertain times, the provision of WASH offers children and their families access to clean drinking water, safe latrines, and hand-washing facilities to practice good hygiene.

Today, families can stay healthy and clean, and grow stronger together. Thank you for supporting WASH programs in Afghanistan, Iraq, Jordan, Lebanon, and Syria.



## Innovations and Partnerships

- World Vision joined with other WASH specialists from UNICEF, International Committee of the Red Cross, Action Against Hunger, and Oxfam International to begin developing an advocacy plan, promoting the seamless provision of WASH from emergency settings to sustainable environments.

More than 25 specialists gathered to identify regional WASH gaps, begin developing key messages and action

steps needed to initiate advocacy efforts, and start drafting a framework for country-level implementation.

- The Afghanistan WASH team began discussions with Massachusetts Institute of Technology in the U.S. to possibly design an expansion to the team's solar-powered reverse osmosis unit. The unit, first of its kind in Afghanistan, transforms salty, undrinkable waters to safe drinking water for families. Design expansions

- are in response to the Afghanistan government's request to scale up the system for countrywide use.
- Iraq, Jordan, Lebanon, and Syria WASH programs continued partnerships with governments and financial supporters (such as Gesellschaft für Internationale Zusammenarbeit [GIZ] and UNICEF) to ensure the provision of WASH for vulnerable families. More than \$4 million was awarded to WASH teams for interventions in the region.

## Reaching the Most Vulnerable Families: Urban WASH

As violence and instability continue to plague the Middle East, more families are being displaced. This is especially true for Syrian and Iraqi families. Since the Syrian civil war began, more than 5.6 million Syrians have fled the country as refugees, and 6.1 million are displaced within Syria.\* Iraq still faces internal conflict, and has more than 2.3 million displaced people and more than 250,700 Syrian refugees reside in the Kurdistan region of Iraq. In both Syria and Iraq, many of these families live in receiving (or host) communities in urban areas. Unfortunately, the existing WASH infrastructure is limited in capacity or in disrepair. Thankfully both the Syria and Iraq WASH teams helped to improve or expand urban water supply systems, bringing clean water to 120,150 people in Syria, and 380,000 people in Iraq. The Syria WASH team also worked to improve sewage systems, helping 100,298 people access safe sanitation.





*Tania (in red) now shows her siblings how to wash their hands. They are no longer afraid of using the latrine as its clean and well lit.*

## IMPACT STORY: MIDDLE EAST

# THE POWER OF CLEANLINESS

*Afghanistan's cold winter does not prevent tenacious, 9-year-old Tania from washing her hands in the yard. She's learned the importance of always keeping clean and using a latrine.*

In a corner of Tania's yard is a tidy latrine, equipped with a yellow jerrycan and tissues, and a hand-washing tank. What was once considered unattainable, is now right in her home. A place that is private and clean. She proudly washes her hands with soap, having recently learned when and how she should wash her hands.

Since the hand-washing station was installed two months ago, Khadija, Tania's mother, cannot recall a single time that her children have fallen ill, which brings a smile to her face. "My children all look healthy! Thanks to God," she shared.

These improved health outcomes are a result of the hygiene and sanitation awareness campaigns conducted by the Afghanistan WASH team. Two WASH facilitators went door-to-door once a month to teach families about the importance of personal and environmental hygiene, safe water, collecting water from clean sources, and treating drinking water.

After learning key lessons from the campaigns, community members went

on to build their own hand-washing stations with soap and water. Stations were created from locally available plastic water containers and featured an attached tap.

The Afghanistan WASH team also provided lessons in safe sanitation as children were using their backyard as an open-air toilet. "Our yard and house were full of flies, especially during the summer. [And], we didn't have a place for handwashing in the yard," Khadija said. This new awareness motivated many to save money and build their own toilets and hand-washing facilities. Khadija's family saved for several months to have enough money to build a household water tank and rehabilitate its toilet.

Today, Tania and her family practice safe sanitation and hygiene, helping to ensure they will not suffer from illnesses, such as diarrhea and waterborne disease. And Tania is empowered to pass along these habits to others, teaching them cleanliness at home and throughout the community.

*“After going through the World-Vision sponsored trainings, we bought that water tank. It was worth spending money on [the tank]. Now our home is clean, and my children are healthy.”*

*—Khadija, mother of four living in Afghanistan*



For more information, contact your World Vision representative.

World Vision is a Christian humanitarian organization dedicated to working with children, families, and their communities worldwide to reach their full potential by tackling the causes of poverty and injustice.

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