



### 2013 WRF HAITI PROGRAM DATA

The data clearly confirms that the project is responding to a strong need among persons with disabilities in Haiti. Well over 200 cases have been served by the project during last year. We have provided over 900 devices from the beginning of the project in 2010 to the December of 2013. With a certified prosthetists/orthotists now available to the project, the number served is expected to grow in 2014.

Recent project services show a strong concentration on orthotic devices, including many pedorthic procedures and a high concentration of young children, especially infants. A large number of patients are those with congenital deformities, but all in all a wide variety of conditions have been addressed through the project including fairly large numbers of those afflicted by disease and those who were injured through some sort of trauma such as vehicle accidents, wounds, gun shots, falls and other accidents and trauma. The project is also still seeing patients whose disability was caused by the 2010 earthquake.

#### I. Number of People Served by Year of Service\* and Gender

	<u>2010</u>	<u>2011</u>	<u>Unknown</u>	<u>2012</u>	<u>2013</u>	<u>Total</u>
<b>Females</b>	23 (49%)	144 (48%)	13 (41%)	132(51%)	120(53%)	432(50%)
<b>Males</b>	24(51%)	153 (52%)	19 (59%)	129 (49%)	106(46%)	431(50%)
<b>Total</b>	<b>47</b>	<b>297</b>	<b>32</b>	<b>261</b>	<b>226</b>	<b>863</b>

\*2010 consists of only three months of service as services began in October. Unknown cases are cases that were served in either 2010 or 2011 but the date of service information was not recorded correctly in the database.

**Comments:** The number of people served is smaller than the number of devices provided (see IV) due to repeated patients who come back for new devices, adjustments, or repairs. The number of persons served in 2013 shows a reduction in the level of services. A supervising certified orthotist/prosthetist has now been recruited and started service in October 2013 to address effectiveness of operations, training, and administrative and reporting issues. Compared to previous years, the current year's data shows a somewhat larger percentage of female than male clients (by 7%).

#### II. Number and percent\* served by Age and Year of Service

	<u>2010</u>	<u>2011</u>	<u>Unknown</u>	<u>2012</u>	<u>2013</u>	<u>Total</u>
<5	9(20%)	76 (26%)	0	92(36%)	89(40%)	266(31%)
5-12	3(7%)	50 (17%)	4(17%)	55(21%)	44(20%)	156(18%)
13-19	6(13%)	20 (7%)	2(8%)	17(7%)	15(6%)	60 (7%)
20-29	10(22%)	30 (10%)	5(21%)	14(5%)	17(8%)	76(9%)
30-39	5(11%)	22(8%)	3(12%)	17(7%)	14(6%)	61(7%)
40-49	3 (7%)	30(10%)	5(21%)	19(7%)	12(5%)	69(8%)
50-59	5(11%)	31(11%)	3(12%)	19(7%)	9(4%)	67(8%)
60+	4(9%)	33(11%)	2(8%)	24(9%)	9(4%)	72(9%)
<b>UNK</b>	2	5	8	4	17 (7%)	36 (4%)
<b>Total</b>	<b>47</b>	<b>297</b>	<b>32</b>	<b>261</b>	<b>226</b>	<b>863</b>

\*percent includes only those whose age is known.

**Comments:** One-third of those served are 5 years old or younger and ½ of all those served are below the age of thirteen. This trend has increased with time. In 2010, infants made up 20% of those served; increasing to over ¼ in 2011, to over 1/3 in 2012 and to 40% in 2013. While less than 30% of those served were children under 13 years old in 2010, this increased to over 40% in 2011, to over half in 2012 and to 60% in 2013. At the other end of the scale, nearly 1/3 of those served in 2010 were over 40 years old. This percentage reduced slightly in 2011, and lowered approximately to ¼ in 2012 and 2013. The hospital is known for its pediatric services and has support for these services from the German organization Christoffel Blindenmission and from Cure International.

### III. Frequency and Percentages of Conditions by Year

	<b>2010</b>	<b>2011</b>	<b>Unknown</b>	<b>2012</b>	<b>2013</b>	<b>Total</b>
<b>Congenital Deformity</b>	7(21%)	68(29%)	2(9%)	90(34%)	35 (15%)	202 (26%)
<b>Various Foot Problems*</b>	0	17(8%)	1 (5%)	48(18%)	82(35%)	148 (19%)
<b>Trauma/Accidents</b>	6(18%)	46(19%)	6(27%)	14(5%)	12 (5%)	84 (11%)
<b>Vehicle Accidents</b>	6(18%)	21(9%)	5(23%)	17(6%)	13 (6%)	63 (8%)
<b>Earthquake</b>	4(12%)	15 (6%)	1 (5%)	20(8%)	14 (6%)	54 (7%)
<b>Diabetes</b>	3 (9%)	20 (8%)	3(14%)	10(4%)	5(2%)	41 (5%)
<b>Hemiplegia/Paraplegia</b>	0	3 (1%)	0	29(11%)	9 (4%)	41 (5%)
<b>Other Diseases</b>	2 (6%)	6 (3%)	2 (9%)	12 (5%)	9 (4%)	31 (4%)
<b>Stroke</b>	1 (3%)	26(11%)	0	0	0	27 (3%)
<b>Knee Problems</b>	0	2 (1%)	0	7 (3%)	14 (6%)	23 (3%)
<b>Pes Equinus (ankle)</b>	0	2 (1%)	0	0	13 (6%)	15 (2%)
<b>Back, Hip &amp; Spine</b>	2 (6%)	5 (2%)	1 (5%)	1(<1%)	5 (2%)	14 (2%)
<b>CP/Spasticity</b>	2 (6%)	4 (2%)	1 (5%)	3 (1%)	4 (2%)	14 (2%)
<b>Other</b>	0	2(1%)	0	12(5%)	19 (8%)	33 (4%)
<b>Total</b>	<b>33</b>	<b>237</b>	<b>22</b>	<b>263</b>	<b>234</b>	<b>790</b>

\* Various foot problems: drop foot, flat foot, club foot, adductus foot, etc.

**Comments:** Causal conditions for service were reported for only 790 of the cases presented. Data shows that the project has served persons with a wide variety of conditions. In fact, only one category, congenital deformity, was comprised of more than 25% of the total served.

The category called Trauma/Accidents is comprised of accidents, falls, gun shots, burns, and other incidents and accounted for 11% of the cases. We listed vehicle accidents separately because of the large numbers of cases. Together the vehicle accident and trauma classifications comprised of just under 20% of the total. If earthquake victims are added then the category accounts for just over ¼ of the total served. Disease accounted for only some 10% of those served. It is interesting to note that earthquake victims are still showing up for services in 2013, three years after the disaster.

The distribution changed from year to year. The congenital deformities cases seemed to grow in previous years (over 20% in 2010, just under 30% in 2011, and over 1/3 of all cases in 2012). This year, however, the proportion fell to 15%. With various foot issues it accounts for some 40% of those served. In 2012, 11 persons were provided services who attributed their condition as the result of voodoo. No reported voodoo victims were served in any other year. It may be that the service providers became more exacting in their description of the causal condition.

### IV. Distribution of Devices by Type provided by Year of Service

	<b>2010</b>	<b>2011</b>	<b>Unknown</b>	<b>2012</b>	<b>2013</b>	<b>Total</b>
<b>Ankle-Foot Orthosis</b>	15(31%)	147(45%)	9(28%)	137(50%)	95 (42%)	403(44%)
<b>Above Knee Prosthesis</b>	13(27%)	51(16%)	17(53%)	30(11%)	13 (6%)	124(14%)
<b>Pedorthic Device</b>	0	22(7%)	1(3%)	46(17%)	55 (24%)	124(14%)
<b>Knee-Ankle-Foot Orthosis</b>	5(10%)	33(10%)	0	34(12%)	28 (12%)	100(11%)
<b>Below Knee Prosthesis</b>	8(16%)	41(13%)	2 (6%)	21 (8%)	17 (7%)	89(10%)
<b>Upper Limb Device</b>	4(8%)	12(4%)	2(6%)	2 (1%)	4 (2%)	24 (3%)
<b>Trunk Orthosis</b>	2(4%)	7 (2%)	0	3 (1%)	3 (1%)	15 (2%)
<b>Knee Disarticulation</b>	2(4%)	6 (2%)	0	2 (1%)	3 (1%)	13 (1%)
<b>Other</b>	0	7(2%)	1(3%)	1(<1%)	8 (4%)	17 (2%)
<b>Total</b>	<b>49</b>	<b>326</b>	<b>32</b>	<b>276</b>	<b>226</b>	<b>909</b>

**Comments:** Nearly half of those served have received AFO orthotic devices and well over half of the devices provided by the project have been lower limb orthoses. Less than ¼ of those served have received lower limb prostheses. This service pattern has shifted: in 2010, nearly half of the devices provided were lower limb prostheses. This proportion lowered to fewer than 30% in 2011, less than 20% in 2012 and less than 15% in the current year. Lower limb orthotics accounted for just over 40% of the devices in 2010; over half in 2011; nearly 2/3 in 2012 and down to 54% in 2013. No pedorthotic devices were provided in 2010; less than 10% in 2011; 17% in 2012. However, in 2013, the number soared to 24%.