



SAFETY AND HEALTH IN THE WORKPLACE

... Types of Injury, Parts of the Body Injured, Causes and Agents of Injury (Second of a series)

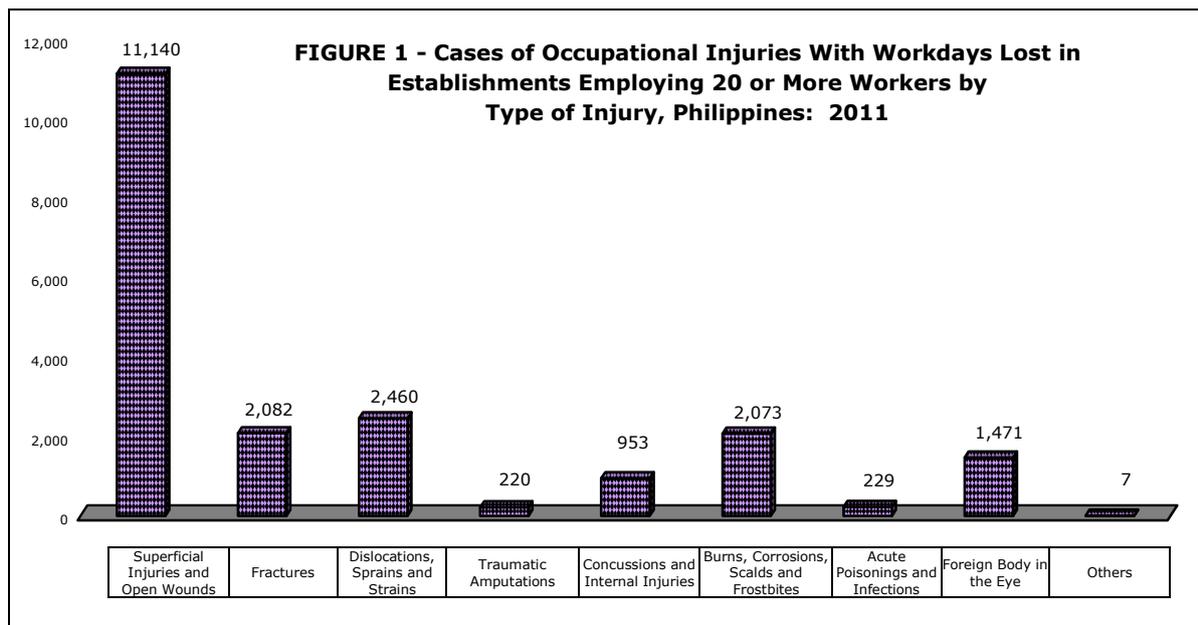
This series of LABSTAT Updates presents statistical briefs on cases of occupational injuries and diseases that affected workers in establishments in 2011. The statistics were culled from the results of the 2011/2012 BLES Integrated Survey (BITS) conducted in 2012 by the Bureau of Labor and Employment Statistics (BLES) in coordination with the DOLE Regional Offices.

The BITS is a nationwide survey covering 7,061 establishments with 20 or more workers in 69 industry groups. It also generates statistics on employment of specific groups of workers; occupational shortages and surpluses; training of workers; recruitment and hiring practices for entry level jobs; occupational safety and health practices; and employees' compensation program that can be used as basis for policy and program formulation and evaluation. This is the first time that the survey included the agriculture, forestry and fishing sector, as well as its adoption of the 2009 Philippine Standard Industrial Classification (PSIC) – the latest "classification of industries prevailing in the country based on the productive activities undertaken by establishments" as revised by the National Statistical Coordination Board/Philippine Statistical System. Changes made from 1994 PSIC included the transfer of minor industries to other divisions/groups/classes or elevation to a division, group or class of its own.

Specifically, this second issue of the series discusses the types of injury, parts of the body injured, and causes and agents of occupational injuries that resulted to workdays lost of workers in establishments in 2011. The metadata and the statistical tables of the 2011/2012 BITS are posted at the BLES website. (The earlier series of LABSTAT Updates on occupational injuries and diseases were entitled "Are our workplaces safe?")

Superficial injuries and open wounds, most common type of occupational injuries, largely in manufacturing

- Superficial injuries and open wounds was the most common type of occupational injuries, accounting for more than half (54.0%) of the total 20,635 cases with workdays lost in 2011. (Figure 1)
- Three types of occupational injuries accounted for about one-tenth each, namely: dislocations, sprains and strains (11.9%); fractures (10.1%); and burns, corrosions, scalds and frostbites (10.0%).
- The rest of the types of injuries had a total share of 14.0%.
- Manufacturing recorded the highest number of injuries by type.
- Relative to the proportion of cases by industry group, superficial injuries and open wounds were noted in agriculture, forestry and fishing (75.2%); and water supply, sewerage, waste management and remediation activities (64.2%). (Table 1)



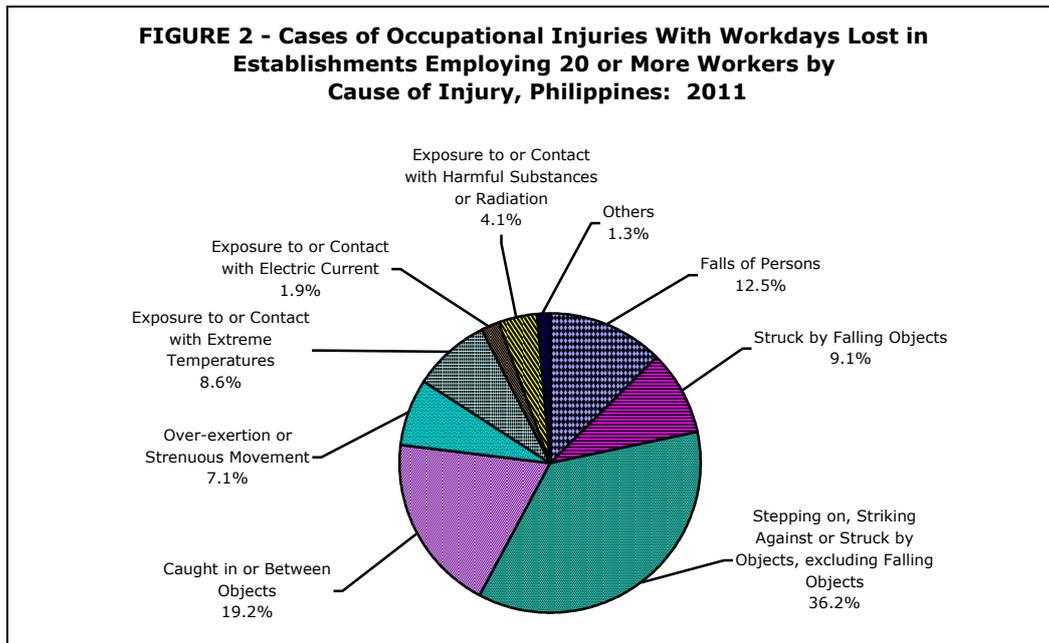
Source of data: Bureau of Labor and Employment Statistics, 2011/2012 BLES Integrated Survey.

Two out of five cases of occupational injuries affected wrist and hand

- Almost 40.0% or two out of five cases of occupational injuries affected the wrist and hand. Around six out of ten cases of such injuries occurred in manufacturing. (Table 2)
- Industry-wise, more than 50.0% of cases in three industry groups affected wrist and hand. This included repair of computers and personal and household goods, and other personal service activities (57.1%); accommodation and food service activities (52.6%); and real estate activities (50.6%).
- Other parts of the body that were also affected were lower extremities (20.5%); arm and shoulder (16.2%); and head (15.0%). Most of these occurred also in manufacturing.

More than one-third of injuries caused by stepping on, striking against or struck by objects, excluding falling objects

- A little over one-third of occupational injuries (36.2%) were caused by stepping on, striking against or struck by objects, excluding falling objects. Likewise, these were noted in manufacturing (43.4%). (Figure 2)
- Falls of persons ranked third at 12.5% while other causes accounted for less than 10.0% each.
- Injuries caused by stepping on, striking against or struck by objects, excluding falling objects were prevalent in agriculture, forestry and fishing (69.9%); and construction (51.6%). (Table 3)
- Caught in or between objects was the second most common cause at 19.2%.



Source of data: Bureau of Labor and Employment Statistics, 2011/2012 BLES Integrated Survey.

Almost half of cases of occupational injuries due to machines, equipment and materials, objects

- Almost half of injuries (47.7%) were due to machines and equipment (24.2%); and materials and objects (23.5%). As previously noted, manufacturing took the biggest share of injuries due to these types of agents. (Table 4)
- Hand tools and conveying/transport/packaging equipment or vehicles followed at 18.3% and 12.8%, respectively.
- Minimal percentages of injuries were due to prime movers (2.6%); distribution system (1.3%); and other agents (0.4%).
- By industry, injuries due to machines and equipment were more evident in manufacturing (32.7%); accommodation and food service activities (27.2%); and construction (26.4%).
- Moreover, those cases caused by or due to materials and objects emerged largely from real estate activities (58.0%).

FOR INQUIRIES

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TABLE 1 - Cases of Occupational Injuries With Workdays Lost in Establishments Employing 20 or More Workers by Major Industry Group and Type of Injury, Philippines: 2011

MAJOR INDUSTRY GROUP	Total	Superficial Injuries and Open Wounds	Fractures	Dislocations, Sprains and Strains	Traumatic Amputations	Concussions and Internal Injuries	Burns, Corrosions, Scalds and Frostbites	Acute Poisonings and Infections	Foreign Body in the Eye	Others
ALL INDUSTRIES	20,635	11,140	2,082	2,460	220	953	2,073	229	1,471	7
Agriculture, Forestry and Fishing	2,492	1,875	46	208	10	108	31	11	202	-
Mining and Quarrying	108	51	32	10	1	5	6	2	2	-
Manufacturing	10,344	5,642	682	1,131	144	532	1,165	137	908	2
Electricity, Gas, Steam and Air Conditioning Supply	451	202	74	31	5	58	66	4	10	-
Water Supply; Sewerage, Waste Management and Remediation Activities	134	86	11	20	-	14	1	1	1	-
Construction	704	390	104	98	8	7	18	5	70	4
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	1,614	867	420	149	22	42	61	10	44	-
Transportation and Storage	1,478	752	199	216	12	40	112	48	100	-
Accommodation and Food Service Activities	911	280	50	145	-	15	387	-	34	-
Information and Communication	97	28	26	16	2	4	14	6	-	-
Financial and Insurance Activities	206	74	92	31	-	-	3	-	7	-
Real Estate Activities	245	25	84	33	-	-	85	-	17	-
Professional, Scientific and Technical Activities	109	42	13	28	-	14	13	-	-	-
Administrative and Support Service Activities	956	507	204	96	17	47	53	-	32	-
Education except Public Education	414	188	16	114	-	59	21	2	14	-
Human Health and Social Work Activities except Public Health Activities	274	95	20	111	-	5	15	1	26	1
Arts, Entertainment and Recreation	70	30	11	17	-	-	11	-	2	-
Repair of Computers and Personal and Household Goods; Other Personal Service Activities	28	7	-	7	-	3	10	-	1	-

Note: Details may not add up to totals due to rounding.

Source of data: Bureau of Labor and Employment Statistics, 2011/2012 BLES Integrated Survey.

TABLE 2 - Cases of Occupational Injuries With Workdays Lost in Establishments Employing 20 or More Workers by Major Industry Group and Part of the Body Injured, Philippines: 2011

MAJOR INDUSTRY GROUP	Total	Head	Neck	Back	Trunk or Internal Organs	Arm and Shoulder	Wrist and Hand	Lower Extremities	Whole Body or Multiple Sites Equally Injured
ALL INDUSTRIES	20,635	3,093	172	716	435	3,345	8,113	4,238	525
Agriculture, Forestry and Fishing	2,492	424	15	46	11	321	840	761	72
Mining and Quarrying	108	13	3	8	11	25	20	20	9
Manufacturing	10,344	1,710	64	397	147	1,420	4,809	1,622	174
Electricity, Gas, Steam and Air Conditioning Supply	451	58	13	43	18	50	126	121	21
Water Supply; Sewerage, Waste Management and Remediation Activities	134	16	-	7	7	34	27	36	8
Construction	704	201	1	21	39	138	160	119	25
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	1,614	115	15	83	57	251	571	446	76
Transportation and Storage	1,478	206	16	16	97	251	385	410	100
Accommodation and Food Service Activities	911	79	15	35	4	145	479	153	1
Information and Communication	97	12	-	-	6	19	35	22	2
Financial and Insurance Activities	206	10	3	3	3	107	27	52	3
Real Estate Activities	245	1	2	23	-	35	124	60	-
Professional, Scientific and Technical Activities	109	17	6	6	13	16	38	13	-
Administrative and Support Service Activities	956	128	8	11	16	313	259	199	21
Education except Public Education	414	69	9	8	5	69	124	122	8
Human Health and Social Work Activities except Public Health Activities	274	29	-	7	2	118	64	51	3
Arts, Entertainment and Recreation	70	5	1	2	-	31	11	20	-
Repair of Computers and Personal and Household Goods; Other Personal Service Activities	28	1	-	-	-	2	16	9	-

Note: Details may not add up to totals due to rounding.

Source of data: Bureau of Labor and Employment Statistics, 2011/2012 BLES Integrated Survey.

TABLE 3 - Cases of Occupational Injuries With Workdays Lost in Establishments Employing 20 or More Workers by Major Industry Group and Cause of Injury, Philippines: 2011

MAJOR INDUSTRY GROUP	Total	Falls of Persons	Struck by Falling Objects	Stepping on, Striking Against or Struck by Objects, excluding Falling Objects	Caught in or Between Objects	Over-exertion or Strenuous Movement	Exposure to or Contact with Extreme Temperatures	Exposure to or Contact with Electric Current	Exposure to or Contact with Harmful Substances or Radiation	Others
ALL INDUSTRIES	20,635	2,582	1,878	7,466	3,959	1,459	1,767	402	848	275
Agriculture, Forestry and Fishing	2,492	219	129	1,742	135	40	3	14	197	13
Mining and Quarrying	108	16	32	30	6	18	1	3	2	-
Manufacturing	10,344	763	1,072	3,242	2,831	799	1,015	161	453	7
Electricity, Gas, Steam and Air Conditioning Supply	451	113	49	61	64	28	14	73	8	42
Water Supply; Sewerage, Waste Management and Remediation Activities	134	22	4	57	-	26	-	3	2	21
Construction	704	50	104	363	97	39	26	13	9	2
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	1,614	254	140	425	243	252	123	32	9	135
Transportation and Storage	1,478	281	126	636	179	81	78	20	77	1
Accommodation and Food Service Activities	911	120	38	221	99	48	295	26	32	32
Information and Communication	97	12	4	34	5	8	-	28	6	-
Financial and Insurance Activities	206	76	4	53	28	20	3	-	7	14
Real Estate Activities	245	28	17	35	2	23	141	-	-	-
Professional, Scientific and Technical Activities	109	30	13	22	17	5	-	-	14	9
Administrative and Support Service Activities	956	330	84	319	149	20	36	1	18	-
Education except Public Education	414	92	36	150	70	35	8	7	15	-
Human Health and Social Work Activities except Public Health Activities	274	149	14	52	24	10	13	12	-	-
Arts, Entertainment and Recreation	70	22	10	15	8	8	-	8	-	-
Repair of Computers and Personal and Household Goods; Other Personal Service Activities	28	2	2	11	1	-	12	-	-	-

Note: Details may not add up to totals due to rounding.

Source of data: Bureau of Labor and Employment Statistics, 2011/2012 BLES Integrated Survey.

TABLE 4 - Cases of Occupational Injuries With Workdays Lost in Establishments Employing 20 or More Workers by Major Industry Group and Agent of Injury, Philippines: 2011

MAJOR INDUSTRY GROUP	Total	Buildings, Structures	Prime Movers	Distribution Systems	Hand Tools	Machines, Equipment	Conveying/ Transport/ Packaging Equipment or Vehicles	Materials, Objects	Chemical Substances	Human, Animals, Plants, etc.	Others
ALL INDUSTRIES	20,635	1,731	527	269	3,785	4,988	2,632	4,846	947	816	92
Agriculture, Forestry and Fishing	2,492	66	18	-	1,194	230	235	503	40	158	45
Mining and Quarrying	108	14	1	-	16	22	16	31	2	4	2
Manufacturing	10,344	688	136	117	1,445	3,382	1,089	2,649	571	255	12
Electricity, Gas, Steam and Air Conditioning Supply	451	50	28	68	29	48	122	65	10	30	2
Water Supply; Sewerage, Waste Management and Remediation Activities	134	1	-	11	10	3	35	26	2	46	-
Construction	704	167	26	14	127	186	20	148	11	3	1
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	1,614	113	128	7	246	313	321	266	69	148	2
Transportation and Storage	1,478	181	34	4	143	217	303	429	85	58	24
Accommodation and Food Service Activities	911	104	8	24	178	248	41	191	78	33	5
Information and Communication	97	22	2	13	11	8	11	29	2	-	-
Financial and Insurance Activities	206	32	61	-	15	12	68	4	10	4	-
Real Estate Activities	245	28	33	-	2	39	1	142	-	-	-
Professional, Scientific and Technical Activities	109	14	-	-	30	16	7	19	14	9	-
Administrative and Support Service Activities	956	81	28	10	179	144	327	129	36	23	-
Education except Public Education	414	54	9	-	104	77	20	127	5	18	-
Human Health and Social Work Activities except Public Health Activities	274	105	14	-	49	20	15	65	2	3	-
Arts, Entertainment and Recreation	70	3	1	-	9	16	1	17	2	22	-
Repair of Computers and Personal and Household Goods; Other Personal Service Activities	28	8	-	1	-	6	-	5	8	-	-

Note: Details may not add up to totals due to rounding.

Source of data: Bureau of Labor and Employment Statistics, 2011/2012 BLES Integrated Survey.