

SA Fire Loss Statistics 2015

In Context: Direct fire loss figure close to R3-billion for 2015

THE STATISTICS THAT FOLLOW IN the next few pages may not be a true reflection of the actual experience during 2015. The data only reflect fires attended by reporting fire services and therefore exclude underground fires, those that occur in key points, and those that have happened in areas where no professional fire services exist. Nevertheless, the figures show that fires continue to plague the country, consuming a large percentage of the official Gross National Income.

It should be embarrassing to us that the incidence of fire continues to increase when we know more today about the science of fire and we should, therefore, be able to reduce fire losses through ever-improving fire-prevention capabilities.

This may be because our exposure to fire and its devastating consequences is limited. We are more likely to be concerned about the daily issues of personal security, traffic congestion and potholes than the seemingly distant threat of fires.

Efforts to improve the national compilation of more accurate formal fire loss figures are progressing. Meanwhile, we gratefully acknowledge all participating insurers and fire services for their assistance in providing the information that is reflected in the following pages.

Loss leaders

Fire losses are up on last year, but remained lower than the nearly

R3-billion loss in 2012. Residential and transport losses continue to climb. Building replacement costs are increasing as formal housing developments expand. These account for the majority of costly fires.

Rail transport falls behind as road transport carries more valuable cargo loads efficiently, but with more exposure risk to possible accidents and consequential fires.

Fire services

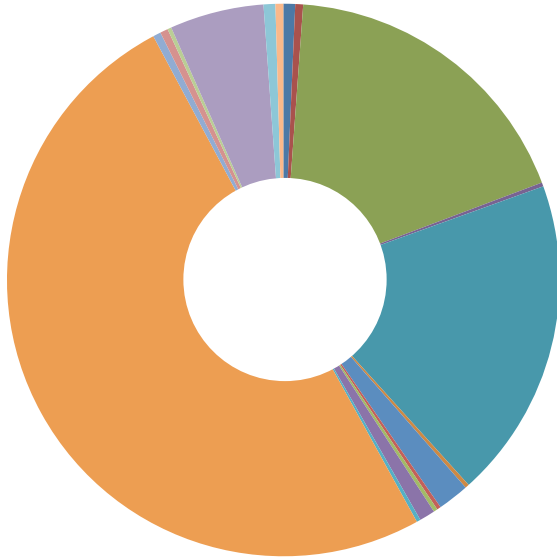
The double page spread (pages 26 and 27) documents the responses of those

fire brigades that reported call-out activities during 2015. Of the nearly 46 000 fire calls attended, 57% were to deal with fires involving grass, bush and agriculture. This is a seemingly frivolous, time-consuming activity that must, however, be dealt with to protect structures under threat, as well as valuable crops, grazing land and plantations that produce economically vital paper, timber and charcoal.

The cost of curtailing these incidents continues to be drain on available resources and is extremely costly.



Fatalities 2015

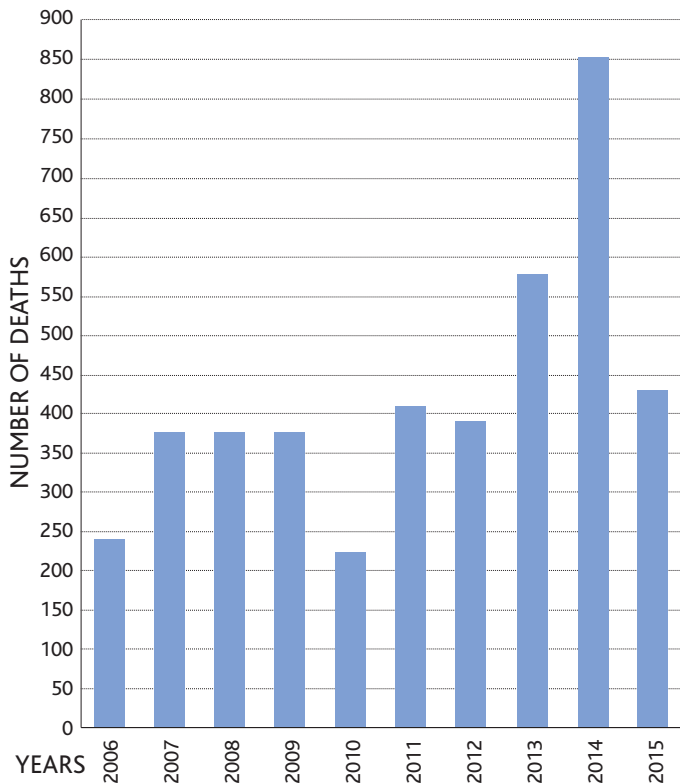


- Aircraft
- Buses
- Cars, motorcycles
- Department stores
- Dwellings formal
- Electronics
- Flats
- Furniture
- Garages and workshops
- Heavy goods vehicles
- Hotels and boarding houses
- Informal dwellings
- Miscellaneuous fires
- Offices
- Restaurants and cafes
- Rubbish, grass and bush
- Shops
- Warehouses

Deaths 2015 by sector

| Description | Adult |
|----------------------------|------------|
| Aircraft | 3 |
| Buses | 2 |
| Cars, motorcycles | 79 |
| Department stores | 1 |
| Dwellings formal | 82 |
| Electronics | 1 |
| Flats | 8 |
| Furniture | 1 |
| Garages and workshops | 1 |
| Heavy goods vehicles | 4 |
| Hotels and boarding houses | 1 |
| Informal dwellings | 219 |
| Miscellaneous fires | 2 |
| Offices | 2 |
| Restaurants and cafes | 1 |
| Rubbish, grass and bush | 24 |
| Shops | 3 |
| Warehouses | 2 |
| Total | 436 |

Compared fire deaths 2005 - 2015



Number of fires 2006 - 2015

| Year | Number of Fires |
|-------------|-----------------|
| 2006 | 26475 |
| 2007 | 40582 |
| 2008 | 35432 |
| 2009 | 40481 |
| 2010 | 26574 |
| 2011 | 37721 |
| 2012 | 41481 |
| 2013 | 42343 |
| 2014 | 46187 |
| 2015 | 45784 |

BRIGADE CALLS 2015

| | RESIDENTIAL | | | | | | | | | | | | | | INSTITUTIONAL | | | | | PUBLIC ASSEMBLY | | | | | COMMERCIAL | | | | | STORAGE | | INDUSTRY | | | | | | | | | | | | TRANSPORT | | | | | OTHER | | | TOTAL |
|---|-------------|--------------------|-------|------------------------|-------------------|---------------------|----------------|------------------|--------------|-------------------|-------------------|---------|-------|--------------|-------------------|------------|-----------------|-----------|-----------------|-----------------|----------|---------|-----------|------------|-----------------|----------|-------|-------------|-----------------|-----------|------------------|----------|----------------------|-------|--------|----------|--------------------|---------------------|--------------------|---------------|-------|--|--|-----------|--|--|--|--|-------|--|--|-------|
| | Dwelling | Informal dwellings | Flats | Hotels/Boarding houses | Hospitals/nursing | Educational estates | Churches/halls | Cinemas/theatres | Museums etc. | Night clubs/dance | Restaurants/cafes | Offices | Shops | Dept. stores | Garages/workshops | Warehouses | Outside storage | Furniture | Plastics/rubber | Textile | Printing | Milling | Petroleum | Food/drink | Paper/packaging | Chemical | Metal | Electronics | Mines (surface) | Utilities | Cars/motorcycles | Buses | Heavy goods vehicles | Ships | Trains | Aircraft | Rubbish/grass/bush | Plantations/forests | Agricultural fires | Miscellaneous | | | | | | | | | | | | |
| ABAQULUSI MUNICIPALITY(Vryheid) | 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 17 | | | | | | | | | | | |
| BITOU - PLETTEBURG BAY PROTECTION SERVICES | 9 | 17 | 4 | - | - | - | - | - | - | - | - | - | 1 | - | 6 | 9 | - | 2 | - | - | 3 | - | - | 5 | - | 2 | - | - | 7 | - | - | - | 1 | - | 57 | 25 | - | 3 | 151 | | | | | | | | | | | | | |
| BUFFALO CITY MUNICIPALITY(Bisho) | 166 | 396 | 15 | 4 | 1 | 4 | 2 | - | 1 | 1 | 10 | 17 | 3 | 2 | 1 | 2 | 1 | 1 | 2 | - | - | - | - | 5 | - | - | - | 84 | 4 | 2 | - | 1 | - | 714 | - | - | 239 | 1679 | | | | | | | | | | | | | | |
| CAMDEBOO FIRE DEPARTMENT(Graff Reinet) | 9 | 14 | 2 | - | - | 1 | - | - | - | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 | 1 | - | - | - | 6 | - | 1 | - | - | - | 31 | 3 | 7 | 79 | | | | | | | | | | | | | | | |
| CAPE TOWN METRO COUNCIL | 1409 | 1462 | 146 | 15 | 26 | 50 | 18 | 2 | 3 | 4 | 48 | 83 | 115 | 21 | 39 | 9 | 45 | 5 | 10 | 12 | 4 | 7 | 13 | 5 | 8 | 19 | 4 | 2 | 11 | 496 | 24 | 50 | 10 | 16 | 2 | 8352 | 21 | 15 | 655 | 13236 | | | | | | | | | | | | |
| DIHLABENG PROTECTION SERVICES(Bethlehem) | 11 | 11 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - | - | - | - | 41 | - | - | 21 | 90 | | | | | | | | | | | | | | |
| Dr RUTH S. MOMPATI FIRE DEPARTMENT(Naledi) | 81 | 43 | - | 2 | - | - | - | - | - | - | - | - | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 112 | - | 5 | - | - | - | 58 | 10 | - | 9 | 327 | | | | | | | | | | | | | | |
| EKURHULENI METROPOLITAN MUNICIPALITY | 489 | 575 | 11 | 1 | 2 | 5 | 3 | - | 1 | - | 11 | 6 | - | 6 | 9 | 28 | 33 | 20 | 11 | 3 | - | - | 4 | 1 | 8 | 12 | 13 | 47 | - | 48 | 127 | 18 | 28 | - | 15 | - | 860 | 26 | 3 | 19 | 2443 | | | | | | | | | | | |
| EMFULENI MUNICIPALIT FIRE & EMS(Vanderbijlpark) | 5 | 19 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 1 | - | - | 2 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 31 | - | - | - | 61 | | | | | | | | | | | | | | |
| EMNAMBITHI PROTECTION SERVICES(Ladysmith) | 12 | 25 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | 3 | - | - | - | 87 | 5 | - | - | 139 | | | | | | | | | | | | | | |
| ETHEKWINI UNICITY MUNICIPALITY | 643 | 659 | 58 | 15 | 14 | 30 | 10 | 4 | 1 | 2 | 34 | 30 | 109 | 6 | 18 | 19 | 42 | 6 | 4 | 17 | - | 3 | 22 | 8 | 8 | 13 | 15 | 2 | - | 32 | 344 | 18 | 83 | 1 | 7 | 1 | 5187 | 19 | 8 | 506 | 7998 | | | | | | | | | | | |
| GOVEN MBEKI FIRE DEPARTMENT(Secunda) | 84 | 53 | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | 6 | - | - | - | - | - | - | 4 | 27 | - | - | 13 | 1 | 7 | - | - | - | 286 | - | - | 13 | 497 | | | | | | | | | | | | |
| HIBISCUS COAST MUNICIPALITY(Port Shepstone) | 61 | 123 | - | 1 | - | 2 | - | - | - | 1 | - | 2 | - | - | - | 1 | - | 1 | 2 | - | - | - | - | - | 1 | 1 | 24 | - | - | 527 | 9 | 17 | - | - | - | 473 | 78 | - | 95 | 1419 | | | | | | | | | | | | |
| INKOSI LANGALIBALELE MUNICIPALITY | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | 36 | - | - | 1 | 56 | | | | | | | | | | | | | |
| JOHANNESBURG EMS | 408 | 318 | 13 | 4 | 3 | 6 | 2 | 1 | 1 | - | 5 | 6 | 27 | 2 | 4 | 2 | 2 | 5 | 4 | 3 | 1 | - | - | 5 | 2 | 2 | 1 | 35 | - | 20 | 141 | 6 | 4 | 1 | 3 | 1 | 1244 | 11 | 4 | 110 | 2407 | | | | | | | | | | | |
| KHARA HUIS FIRE DEPARTMENT(Uppington) | 22 | 44 | - | - | - | - | 8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | - | - | - | - | 30 | 22 | - | - | 133 | | | | | | | | | | | | | | |
| KNYSNA MUNICIPALITY | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | - | 1 | - | 9 | | | | | | | | | | | | | |
| KOUGA MUNICIPALITY(Jeffrey's Bay) | 35 | 77 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | - | - | 11 | - | - | - | - | 59 | - | - | 3 | 200 | | | | | | | | | | | | | |
| KWA-DUKUZA FIRE DEPARTMENT(Ballito) | 41 | 61 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 8 | 7 | - | - | - | - | - | - | 12 | - | - | 28 | - | - | - | - | 115 | 9 | - | - | 282 | | | | | | | | | | | | | |
| LANGEBERG FIRE DEPARTMENT | 8 | 29 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | 1 | - | 76 | 1 | 1 | 7 | 127 | | | | | | | | | | | | | | |
| LEKWA-TEEMANE FIRE DEPARTMENT(Bloemhof) | 40 | 51 | - | - | - | 1 | - | - | - | - | - | 3 | - | 2 | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 5 | - | 2 | - | - | - | 164 | - | 15 | - | 285 | | | | | | | | | | | | | |
| LUKHANJE FIRE & EMS(Queenstown) | 27 | 26 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 8 | - | - | - | - | 47 | - | - | 5 | 117 | | | | | | | | | | | | | |
| MADIBENG FIRE DEPARTMENT | 35 | 16 | 1 | 1 | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | 4 | - | - | 1 | 76 | - | - | 4 | 155 | | | | | | | | | | | | | |
| MAKANA LOCAL MUNICIPALITY | 17 | 12 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 62 | - | - | 6 | 99 | | | | | | | | | | | | | | |
| MALUTI A-PHOFUNG FIRE DEPARTMENT | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 12 | - | - | 1 | 22 | | | | | | | | | | | | |
| MANGAUNG LOCAL MUNICIPALITY | 127 | 152 | 7 | - | 3 | 5 | 3 | - | 1 | 1 | 5 | 11 | 10 | - | 2 | 7 | 5 | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | 28 | 1 | 7 | - | - | - | 519 | - | - | 8 | 907 | | | | | | | | | | | |
| MANTSOPA MUNICIPALITY | 40 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | 7 | - | 2 | - | - | - | 117 | - | - | 8 | 188 | | | | | | | | | | | | | |
| MBOMBELA MUNICIPALITY | 20 | 13 | - | - | - | - | - | - | - | - | - | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | 254 | 23 | - | 6 | 325 | | | | | | | | | | | | | |
| MIDVAAL FIRE DEPARTMENT | 19 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | - | 1 | - | - | - | - | - | - | - | - | 1 | 11 | 1 | 4 | - | - | - | 404 | - | - | 4 | 478 | | | | | | | | | | | | | |
| MOGALAKWENA MUNICIPALITY | 33 | 27 | 3 | 2 | - | - | - | - | - | 5 | 1 | 5 | 2 | - | - | 3 | - | 4 | 7 | - | 1 | - | - | 1 | 1 | - | 3 | - | - | 23 | 4 | 10 | - | - | - | 126 | 26 | - | 1 | 288 | | | | | | | | | | | | |
| MOSEL BAY FIRE & RESCUE | 23 | 50 | 6 | - | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 84 | | | | | | | | | | | | |
| MSUKALINGWA FIRE DEPARTMENT(Ermelo) | 19 | 30 | 1 | - | - | - | - | - | - | 1 | 3 | 3 | - | 1 | - | 1 | - | - | - | - | - | - | 0 | - | - | - | - | 1 | 13 | 7 | - | 4 | - | - | - | 64 | 3 | 53 | 10 | 214 | | | | | | | | | | | | |
| NELSON MANDELA METRO(Port Elizabeth) | 402 | 397 | 15 | 1 | 2 | 25 | 6 | - | - | 6 | 10 | 8 | - | - | 7 | 13 | - | 2 | 1 | - | 1 | 2 | 3 | 1 | 2 | - | 9 | 3 | - | 11 | 103 | 5 | 21 | - | 2 | 1373 | 9 | - | 122 | 2562 | | | | | | | | | | | | |
| NEWCASTLE PROTECTION SERVICES | 72 | 51 | 2 | - | - | - | - | - | - | 2 | 1 | 1 | - | - | - | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - | 34 | 1 | 2 | - | 1 | - | 613 | - | 12 | 116 | 913 | | | | | | | | | | | | | |
| POLOKWANE MUNICIPALITY(Pietersburg) | 84 | 28 | 3 | 4 | 4 | 5 | 2 | 1 | 2 | 3 | 3 | 1 | 9 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 1 | - | 25 | - | - | 200 | 1 | 7 | - | 4 | - | 340 | - | - | - | 729 | | | | | | | | | | | |
| POTCHEFSTROOM EMS | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | | | | | | | | | | | | |
| SALDANHA BAY FIRE DEPARTMENT | 21 | 47 | - | - | - | - | - | - | - | 1 | - | - | 8 | - | - | 14 | - | - | - | - | - | - | - | - | - | - | 13 | - | - | - | - | 3 | - | - | - | 157 | - | - | - | 264 | | | | | | | | | | | | |
| SETSOTO FIRE DEPARTMENT | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 17 | - | - | - | 19 | | | | | | | | | | | | | |
| STELLENBOSCH FIRE DEPARTMENT | 3 | 10 | 1 | 3 | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | - | 160 | - | - | 6 | 191 | | | | | | | | | | | | | |
| STEVE TSHWETE FIRE DEPARTMENT(Hendrina) | 5 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - | - | - | - | 59 | - | - | - | 70 | | | | | | | | | | | | | | |
| STEVE TSHWETE FIRE DEPARTMENT(Middleburg) | 11 | 14 | - | - | 1 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | 11 | - | - | - | - | - | - | - | - | 9 | 11 | 1 | - | - | - | 40 | - | - | - | 100 | | | | | | | | | | | | | | |
| THABO MOFUTSANYANA DISTRICT MUNICIPALITY | 42 | 28 | - | - | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 6 | - | 3 | - | - | - | 179 | - | - | 21 | 282 | | | | | | | | | | | | | |
| TSHWANE METRO MUNICIPALITY(Pretoria) | 727 | 364 | 28 | 2 | 6 | 9 | 2 | - | 3 | 10 | 16 | 14 | 122 | 2 | 4 | 8 | 6 | 4 | 3 | 1 | 2 | 1 | 3 | 2 | 4 | 6 | 3 | - | 10 | 246 | 29 | 34 | - | 10 | 1 | 2349 | 5 | - | 198 | 4234 | | | | | | | | | | | | |
| UBUHLEBEZWE FIRE DEPARTMENT(Ixopo) | 29 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 31 | 2 | - | 2 | 68 | | | | | | | | | | | | | |
| UMHLATHUZE MUNICIPALITY(Empangeni) | 38 | 36 | 4 | 1 | - | 2 | 2 | - | - | - | 5 | 2 | - | - | 1 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | 24 | - | 4 | - | 1 | - | 378 | 13 | 1 | 24 | 545 | | | | | | | | | | | | | |
| WEST COAST DISTRICT COUNCIL | 101 | 97 | - | - | 25 | 1 | - | - | - | 1 | - | 8 | - | - | - | 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 33 | - | - | 470 | - | - | 37 | 803 | | | | | | | | | | | |
| WITZBURG FIRE DEPARTMENT(Tulbagh) | 38 | 28 | - | - | - | - | - | - | - | - | - | 2 | - | - | 4 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 5 | - | 6 | - | - | - | 126 | 128 | 145 | 6 | 489 | | | | | | | | | | | | | |
| TOTAL | 5496 | 5448 | 326 | 56 | 89 | 147 | 60 | 8 | 13 | 24 | 144 | 196 | 460 | 47 | 83 | 127 | 174 | 48 | 73 | 48 | 9 | 20 | 32 | 35 | 29 | 56 | 72 | 240 | 4 | 158 | 2648 | 124 | 355 | 12 | 62 | 8 | 25882 | 439 | 258 | 2274 | 45784 | | | | | | | | | | | |

Fire losses 2015

| DESCRIPTION | SMOKING | ELECTRICAL | OPEN FLAMES | COOKING | HEATING | WELDING | LIGHTNING | ARSON | UNREST | UNDETERMINED | OTHER | TOTAL | RAND DAMAGE |
|--------------------------------------|---------|------------|-------------|---------|---------|---------|-----------|--------|--------|--------------|-------|-------|-------------|
| Dwellings formal | 146 | 862 | 879 | 372 | 265 | 43 | 30 | 237 | 9 | 2127 | 526 | 5496 | 997647018 |
| Informal dwellings | 145 | 584 | 1258 | 322 | 181 | 14 | 32 | 285 | 2 | 2240 | 385 | 5448 | 132525415 |
| Flats | 17 | 78 | 42 | 43 | 16 | 2 | 2 | 12 | 0 | 82 | 32 | 326 | 26808200 |
| Hotels and boarding houses | 1 | 19 | 10 | 4 | 3 | 0 | 0 | 1 | 0 | 10 | 8 | 56 | 29454200 |
| Hospitals and nursing homes | 1 | 24 | 4 | 2 | 4 | 0 | 0 | 1 | 0 | 36 | 17 | 89 | 14629700 |
| Educational establishments | 3 | 20 | 28 | 5 | 6 | 1 | 0 | 20 | 0 | 43 | 21 | 147 | 65408800 |
| Churches and halls | 2 | 12 | 9 | 3 | 2 | 0 | 0 | 5 | 0 | 23 | 4 | 60 | 13444100 |
| Cinemas and theatres | 0 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 7050 |
| Museums, libraries and art galleries | 0 | 3 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 2 | 3 | 13 | 382600 |
| Night clubs and dance halls | 0 | 6 | 3 | 0 | 4 | 0 | 0 | 1 | 0 | 8 | 2 | 24 | 2625000 |
| Restaurants and cafes | 0 | 30 | 23 | 44 | 6 | 1 | 0 | 4 | 1 | 26 | 9 | 144 | 45185500 |
| Offices | 4 | 60 | 21 | 3 | 8 | 3 | 1 | 15 | 0 | 44 | 37 | 196 | 34624160 |
| Shops | 9 | 122 | 64 | 31 | 15 | 6 | 1 | 46 | 6 | 129 | 31 | 460 | 60794150 |
| Department stores | 1 | 15 | 3 | 1 | 4 | 2 | 0 | 5 | 0 | 10 | 6 | 47 | 13578500 |
| Garages and workshops | 5 | 19 | 19 | 0 | 5 | 6 | 0 | 0 | 0 | 18 | 11 | 83 | 25255000 |
| Warehouses | 0 | 16 | 9 | 2 | 6 | 1 | 0 | 9 | 0 | 74 | 10 | 127 | 189085900 |
| Outside storage | 3 | 9 | 42 | 2 | 4 | 2 | 1 | 21 | 0 | 80 | 10 | 174 | 13908900 |
| Furniture | 1 | 3 | 8 | 0 | 3 | 1 | 0 | 4 | 0 | 23 | 5 | 48 | 8920680 |
| Plastics and rubber | 2 | 3 | 30 | 0 | 7 | 2 | 0 | 2 | 0 | 19 | 8 | 73 | 29675800 |
| Textile | 7 | 9 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 13 | 9 | 48 | 28589500 |
| Printing | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 9 | 4473500 |
| Milling | 1 | 5 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 5 | 3 | 20 | 875500 |
| Petroleum | 0 | 3 | 6 | 0 | 0 | 3 | 3 | 1 | 0 | 8 | 8 | 32 | 29065000 |
| Food and drink | 0 | 8 | 2 | 2 | 7 | 0 | 0 | 0 | 0 | 12 | 5 | 35 | 222085600 |
| Paper and packaging | 1 | 4 | 7 | 1 | 3 | 1 | 0 | 0 | 0 | 9 | 3 | 29 | 23268200 |
| Chemical | 0 | 9 | 11 | 0 | 8 | 2 | 1 | 0 | 0 | 14 | 11 | 56 | 18872000 |
| Metal | 3 | 10 | 9 | 0 | 11 | 10 | 0 | 2 | 0 | 23 | 4 | 72 | 32249800 |
| Electronics | 3 | 70 | 22 | 0 | 2 | 0 | 0 | 5 | 0 | 110 | 28 | 240 | 12203902 |
| Mines (surface) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 355000 |
| Utilities | 3 | 100 | 13 | 2 | 4 | 3 | 1 | 0 | 0 | 26 | 6 | 158 | 17383600 |
| Cars, motorcycles | 21 | 535 | 242 | 1 | 40 | 27 | 1 | 139 | 2 | 1345 | 295 | 2648 | 324297919 |
| Buses | 3 | 32 | 9 | 0 | 21 | 2 | 0 | 13 | 3 | 32 | 9 | 124 | 24639800 |
| Heavy goods vehicles | 4 | 59 | 35 | 0 | 53 | 7 | 0 | 22 | 0 | 123 | 52 | 355 | 50499000 |
| Ships | 1 | 2 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 12 | 1887000 |
| Trains | 0 | 14 | 5 | 0 | 1 | 1 | 0 | 16 | 0 | 18 | 7 | 62 | 70678000 |
| Aircraft | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 8 | 6600000 |
| Rubbish, grass and bush | 1268 | 198 | 12984 | 348 | 37 | 56 | 54 | 533 | 25 | 8598 | 1781 | 25882 | 100567438 |
| Plantations and forests | 4 | 3 | 83 | 1 | 0 | 0 | 22 | 39 | 0 | 201 | 86 | 439 | 21000 |
| Agricultural | 3 | 2 | 74 | 0 | 3 | 1 | 0 | 0 | 0 | 170 | 5 | 258 | 7076000 |
| Miscellaneous fires | 69 | 668 | 388 | 39 | 17 | 16 | 10 | 60 | 14 | 601 | 411 | 2274 | 52375850 |
| Total | 1731 | 3625 | 16359 | 1228 | 754 | 217 | 160 | 1500 | 62 | 16316 | 3852 | 45784 | 2732024282 |
| | 3,78% | 79,17% | 3,57% | 2,68% | 1,64% | 0,47% | 0,34% | 32,77% | 0,13% | 35,63% | 8,41% | | |

Fire losses 2004 - 2015

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| Total Loss in Rands | 1211,9 | 1321,5 | 2732,9 | 1630,6 | 2312,5 | 2013,6 | 1323 | 2085,6 | 3162 | 2158 | 1847 | 2732 |
| GNI | 1346,5 | 1492,2 | 1705,3 | 1935,5 | 2209,9 | 2342,4 | 2608,5 | 2897,6 | 3066 | 3441 | 3694 | 3913 |
| Fire Loss as a % of GNI | 0,09% | 0,08% | 0,16% | 0,084% | 0,10% | 0,09% | 0,05% | 0,07% | 1,03% | 0,62% | 0,05% | 0,69% |
| No. of Fires | 36,5 | 42,8 | 26,4 | 40,5 | 35,4 | 40,4 | 26,5 | 37,7 | 41,4 | 42,3 | 46,1 | 45,7 |
| Population | 46,9 | 46,9 | 47,8 | 48,6 | 49,3 | 49,9 | 49,9 | 51,7 | 52,2 | 52,9 | 53,5 | 54,3 |

Notes to table:
 Total loss in millions
 GNI Gross National Income - in thousand millions
 Number of fires in thousands
 Population in millions

Compared residential (informal) fire losses 2004 - 2015

| Year | Damages |
|--------------------|----------------------|
| 2004 (3566) | R 286 929 364 |
| 2005 (3342) | R 58 351 068 |
| 2006 (3105) | R 39 488 351 |
| 2007 (4273) | R 105 547 104 |
| 2008 (3279) | R 76 827 903 |
| 2009 (4008) | R 101 174 053 |
| 2010 (2590) | R 64 719 576 |
| 2011(4046) | R 102 389 740 |
| 2012 (4516) | R 114 556 248 |
| 2013 (4886) | R 117 693 080 |
| 2014 (5191) | R 103 999 546 |
| 2015 (5448) | R 132 525 415 |

Compared residential losses 2004 - 2015

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------------------|-------------------------|-------------------------|---------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|------------------------|----------------------|------------------------|
| Dwellings formal | R 151 123 212,50 | R 240 213 106,25 | R 1 953 447 608,63 | R 387 890 154,43 | R 387 199 973 | R 495 170 058 | R 525 406 578 | R 576 242 642 | 556062426 | R 770 392 753 | R 408 543 965 | R 997 647 018 |
| Informal dwellings | R 286 929 364,00 | R 58 351 067,50 | R 39 488 351,00 | R 105 547 103,50 | R 76 827 903 | R 101 174 053 | R 64 719 576 | R 102 389 740 | 114556248 | R 117 693 080 | R 103 999 546 | R 132 525 415 |
| Flats | R 18 316 482,50 | R 25 951 470,00 | R 24 699 595,00 | R 42 713 920,00 | R 29 625 288 | R 31 858 641 | R 21 695 900 | R 31 496 970 | 51584320 | R 34 968 000 | R 164 670 830 | R 26 808 200 |
| Hotels and boarding houses | R 35 751 850,00 | R 25 540 625,00 | R 6 280 550,00 | R 37 120 250,00 | R 11 313 775 | R 38 899 991 | R 1 980 700 | R 18 015 340 | 22075400 | R 85 813 450 | R 3 272 490 | R 29 454 200 |
| TOTAL | R 492 120 909,00 | R 350 056 268,75 | R 2 023 916 104,63 | R 573 271 427,93 | R 504 966 938 | R 667 102 744 | R 613 802 754 | R 728 144 692 | R 744 278 394,00 | R 1 008 867 283 | R 680 486 831 | R 1 186 434 833 |

Occupancies 2015

| Description | Total |
|--------------------------------------|--------------|
| Dwellings formal | 5496 |
| Informal dwellings | 5448 |
| Flats | 326 |
| Hotels and boarding houses | 56 |
| Hospitals and nursing homes | 89 |
| Educational establishments | 147 |
| Churches and halls | 60 |
| Cinemas and theatres | 8 |
| Museums, libraries and art galleries | 13 |
| Night clubs and dance halls | 24 |
| Restaurants and cafes | 144 |
| Offices | 196 |
| Shops | 460 |
| Department stores | 47 |
| Garages and workshops | 83 |
| Warehouses | 127 |
| Outside storage | 174 |
| Furniture | 48 |
| Plastics and rubber | 73 |
| Textile | 48 |
| Printing | 9 |
| Milling | 20 |
| Petroleum | 32 |
| Food and drink | 35 |
| Paper and packaging | 29 |
| Chemical | 56 |
| Metal | 72 |
| Electronics | 240 |
| Mines (surface) | 4 |
| Utilities | 158 |
| Cars, motorcycles | 2648 |
| Buses | 124 |
| Heavy goods vehicles | 355 |
| Ships | 12 |
| Trains | 62 |
| Aircraft | 8 |
| Rubbish, grass and bush | 25882 |
| Plantations and forests | 439 |
| Agricultural | 258 |
| Miscellaneous fires | 2274 |
| Total | 45784 |



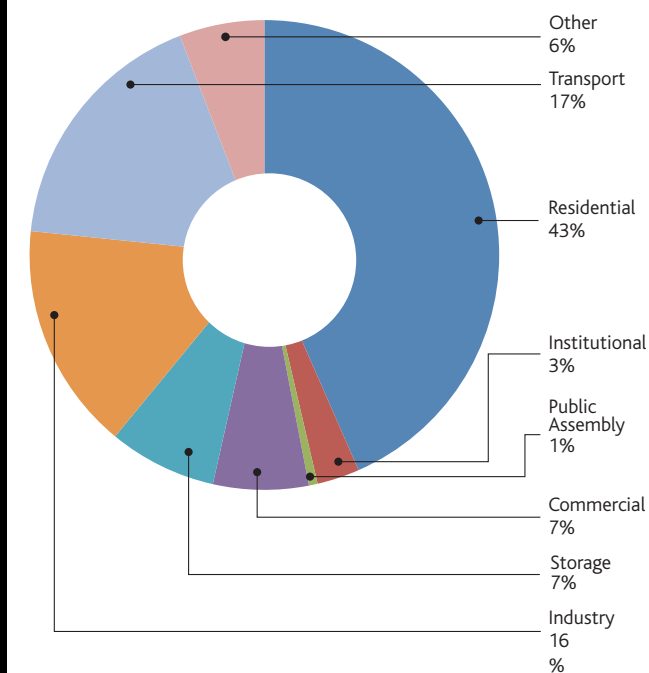
Industrial incidents 2004 - 2015

| Description | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---------------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Furniture | 44 | 47 | 27 | 414 | 55 | 15 | 19 | 22 | 27 | 29 | 41 | 48 |
| Plastics and rubber | 65 | 63 | 33 | 94 | 73 | 96 | 69 | 88 | 77 | 60 | 83 | 73 |
| Textile | 65 | 61 | 45 | 67 | 34 | 38 | 26 | 31 | 33 | 37 | 37 | 48 |
| Printing | 12 | 9 | 6 | 18 | 8 | 13 | 7 | 11 | 8 | 13 | 13 | 9 |
| Milling | 16 | 33 | 10 | 21 | 21 | 22 | 13 | 22 | 34 | 26 | 24 | 20 |
| Petroleum | 9 | 22 | 13 | 21 | 16 | 20 | 20 | 26 | 22 | 13 | 13 | 32 |
| Food and drink | 47 | 46 | 43 | 50 | 35 | 59 | 6 | 47 | 37 | 31 | 27 | 35 |
| Paper and packaging | 35 | 37 | 25 | 226 | 27 | 24 | 22 | 39 | 45 | 35 | 27 | 29 |
| Chemical | 52 | 33 | 26 | 345 | 79 | 53 | 36 | 50 | 30 | 46 | 51 | 56 |
| Metal | 51 | 85 | 38 | 80 | 69 | 74 | 61 | 60 | 50 | 35 | 66 | 72 |
| Electronics | 132 | 116 | 129 | 135 | 191 | 170 | 155 | 203 | 177 | 247 | 232 | 240 |
| Mines (surface) | 10 | 11 | 2 | 54 | 10 | 5 | 4 | 6 | 13 | 2 | 8 | 4 |
| Utilities | 121 | 78 | 38 | 150 | 110 | 114 | 102 | 116 | 121 | 87 | 124 | 158 |
| TOTAL | 659 | 641 | 435 | 1675 | 728 | 703 | 540 | 721 | 674 | 661 | 746 | 824 |

Compared industrial losses 2014 - 2015

| Description | 2014 | 2014 Incidents | 2015 | 2015 Incidents |
|---------------------|----------------------|----------------|----------------------|----------------|
| Furniture | R 135 196 650 | 41 | R 8 920 680 | 48 |
| Plastics and rubber | R 23 955 800 | 83 | R 29 675 800 | 73 |
| Textile | R 42 665 500 | 37 | R 28 589 500 | 48 |
| Printing | R 5 470 500 | 13 | R 4 473 500 | 9 |
| Milling | R 37 366 500 | 24 | R 875 500 | 20 |
| Petroleum | R 90 000 | 13 | R 29 065 000 | 32 |
| Food and drink | R 2 044 800 | 27 | R 222 085 600 | 35 |
| Paper and packaging | R 3 047 300 | 27 | R 23 268 200 | 29 |
| Chemical | R 60 495 000 | 51 | R 18 872 000 | 56 |
| Metal | R 76 240 400 | 66 | R 32 249 800 | 72 |
| Electronics | R 9 198 000 | 232 | R 12 203 902 | 240 |
| Mines (surface) | R 500 | 8 | R 355 000 | 4 |
| Utilities | R 7 122 600 | 124 | R 17 383 600 | 158 |
| TOTAL | R 402 893 550 | 746 | R 428 018 082 | 824 |

Financial losses % 2015



Financial losses 2015

| Description | Cost of damage |
|-----------------|------------------------|
| Residential | R 1 186 434 833 |
| Institutional | R 80 038 500 |
| Public assembly | R 16 458 750 |
| Commercial | R 179 437 310 |
| Storage | R 202 994 800 |
| Industry | R 428 018 082 |
| Transport | R 478 601 719 |
| Other | R 160 040 288 |
| TOTAL | R 2 732 024 282 |