

# 6 園務統計 Zoo Statistics



歡迎大家來動物園兩棲爬蟲動物館，  
一起觀察變色龍的顏色變化

## 動物保育與研究

### 108年度動物醫療紀錄

單位：隻次

治療項目	投藥	麻醉	疫苗注射	健康檢查	疾病預防	注射給藥	清創	包紮	驅蟲
累計	1,831	375	159	300	1,171	963	236	164	1,462
治療項目	外科手術	塗外用藥	藥浴	檢驗	助產	修蹄修爪	洗牙	觀察	噴霧投藥
累計	51	462	13	3,818	4	224	20	1,703	2
治療項目	灌食	晶片注記	隔離	移欄	針灸	形質測量	人工採精	人工授精	
累計	25	79	27	47	0	1	3	3	

### 108年度動物檢驗及其他紀錄

單位：隻次

項目	動物(隻/次)數量			次數
X光檢查	317			1,340
臨床病理檢驗	3,696			49,918
微生物業務	30			30
入園檢疫	哺乳類	鳥類	爬蟲類	
	33	22	13	
標本製作	全身剝製	頭骨	其他骨骼	識別毛皮
	0	0	0	0



非洲野驢的健檢，原來是在牠們所居住的房舍內，透過麻醉來進行的



獸醫師發現，非洲野驢的蹄比一般的有蹄動物堅硬許多，修蹄的作業的困難度高，相對修蹄所花的時間，也比其他的動物們長



保育員及醫療團隊特別關注大貓熊「圓圓」的牙齒及牙齦狀況

## Animal Conservation and Research

### Taipei Zoo 2019 Annual Animal Medical Record

Unit : Animal (individual)

Treatment Item	Medication	Anesthesia	Vaccination	Health Checkup	Disease Prevention	Injection Drug Delivery	Debridement	Bandaging	Vermifuge
Total	1,831	375	159	300	1,171	963	236	164	1,462
Treatment Item	Surgery	External Medication	Dipping	Examination of Clinical Pathology	Midwifery	Hoof or Claw Trimming	Scaling	Observation	Nebulization
Total	51	462	13	3,818	4	224	20	1,703	2
Treatment Item	Force feeding	Microchip Implantation	Quarantine	Change Enclosure	Acupuncture	Morphometric Measures	Artificial Ejaculation	Artificial Insemination	
Total	25	79	27	47	0	1	3	3	

### Taipei Zoo 2019 Annual Animal Inspection and other Records

Unit : Animal (individual)

Item	Number of Animals ( Individual/Times )			Number of Times
X-ray examination	317			1,340
Clinical Pathology Examination	3,696			49,918
Microbiology Examination	30			30
Quarantine Admission	Mammals	Birds	Reptiles	
	33	22	13	
Specimen Production	Whole-body Taxidermic specimen	Skull	Other bones and skeletons	Identification of Fur
	0	0	0	0



進行大貓熊「圓圓」人工授精作業

108年度中央委託(補助)計畫一覽表

項次	補助計畫名稱	補助機關	承辦組室
1	「保育類野生動物急救站與收容中心營運」統籌計畫(108年度)	林務局	保育研究中心、動物組、獸醫室
2	臺北市立動物園收容野生動物之疾病監測與控管	林務局	保育研究中心、動物組、獸醫室
3	108年度臺北市立動物園保育類野生動物急救站與收容中心照養環境豐富化計畫	林務局	保育研究中心、動物組
4	臺北市立動物園促進農村野生動物和諧發展計畫	林務局	保育研究中心
5	利用排遺及次世代定序技術進行金門地區歐亞水獺食性研究	科技部	保育研究中心
6	「為雨林永續的挑戰」環境行動計畫	環保署	推廣組

環境教育推廣

108年度主題教育活動

日期	內容
1月	
1/18	由臺北市文山安全社區暨健康城市促進會、本園、臺北市文山區公所及永慶慈善基金會共同主辦「107年獨居長者歲末關懷園遊會」，計有多個非營利組織及企業團體協辦。活動凝聚文山區公私部門資源，讓更多文山區的獨居長者、弱勢家庭進入本園同樂與休閒，並藉此促進身心靈健康，期能持續與在地人士產生更多連結、互動，並更加貼近文山區居民的生活。
1/19	於本園教育中心辦理「豬」事大吉豬年生肖特展開幕活動，由金仕謙園長主持，活動包括開場祈福歌、布偶歌舞表演及教育駐站，約有750人參加。
1/26	由國立臺灣博物館主辦，於國立臺灣博物館南門園區辦理「永續年夜飯活動」，包括專題講座、博覽會及永續年菜發表等；本園提供教育駐站活動，約有300位民眾共襄盛舉。
1/30	於本園兒童動物區入口及教育中心地下1樓特展室辦理「象足跡·象前進」特展開幕記者會，內容包括海波兒童劇團表演、展覽揭幕儀式、Facebook活動、特展導覽、RSPO及公平貿易茶會，約有300人參加。

參與「豬事大吉」豬年特展開幕之貴賓合照留念



「豬事大吉」豬年生肖特展活動



於教育中心前的彩繪牆，供民眾拍照打卡

List of Central Government research (subsidy) projects in 2019

Items	Project Name	Sponsoring Agencies	Office in Charge
1	The Operation Project for Wildlife Sanctuary and Rescue Center (fiscal year of 2019)	Forestry Bureau	Conservation and Research Center, Animal Section, Veterinary Office
2	Monitor and control of diseases in wildlife in Taipei Zoo Rescue Center	Forestry Bureau	Conservation and Research Center, Animal Section, Veterinary Office
3	2019 Taipei Zoo Protected Wild Animal Rescue Center and Shelter Center Environment Improvement and Enrichment Project	Forestry Bureau	Conservation and Research Center, Animal Section,
4	Taipei Zoo Promoted the Harmonious Development of Rural Wild Animal	Forestry Bureau	Conservation and Research Center
5	Make use of the defecation and next generation sequencing techniques on Kinmen Eurasian otter ( <i>Lutra lutra</i> ) eating habits study	Ministry of Science and Technology	Conservation and Research Center
6	"Challenges for Rainforest Sustainability" Environmental Action Plan	Environmental Protection Administration	Education Section

Environmental Education and Promotion

2019 Main Educational Events

Date	Contents
JAN	
1/18	The "2018 Care Garden Party for Elders Living Alone" is co-organized by Taipei Wenshan Safe Community and Healthy City Promotion Association, the zoo, Taipei Wenshan District Office and Yungching Charity Foundation and co-organized by several nonprofit organizations and enterprises. The resources of the public and private sectors of Wenshan District were condensed through the activities to let more elders living alone and underprivileged families in Wenshan District enter the zoo and have fun and leisure, and promote physical and mental health. In addition, the zoo continuously builds more connection and interaction with local people and get closer to the lives of Wenshan residents.
1/19	The opening activities of "The special exhibition of the year of pig" were held in the Education Center of the zoo, and were hosted by the Director, Jin Shi-Qian. The activities included opening prayer songs, puppet singing and dancing performances, and educational on-site guidance, with about 750 participants.
1/26	The "Sustainable New Year's Eve Dinner Activity" was held at the South Gate Area of National Taiwan Museum sponsored by the National Taiwan Museum, including special lecture courses, expositions, and sustainable New Year dishes presentation; the zoo provided educational on-site guidance activities, with about 300 people joining in the grand event.
1/30	An opening press conference of the "Moving Forward with Elephants" special exhibition was held at the entrance of the Children's Zoo and the special exhibition room on the basement level1 of the Education Center. The content included the Hyper Kids Theatre performances, exhibition opening ceremony, Facebook activities, special exhibition guided tour, RSPO and the Fair Trade Tea Party, with about 300 participants.



蘭嶼豬寶寶吃飯時非常專心(詹德川 / 攝)



來到生態鳥園與水禽區，不僅可聽見四周傳來的飛行拍翅聲及鳴叫聲，也可以近距離觀察鳥類覓食、求偶、築巢等自然行為（紅鸕）



民眾一同參加燈謎遊戲

2月

2/5-7	為歡迎民眾來文山區走春，並活絡春節假期遊園氣氛，結合生肖動物保育教育特色，本園於農曆正月初一至初三辦理發紅包快閃活動，讓動物朋友向民眾拜年，發出共計1,700個紅包，民眾反應熱烈。
2/5-7	於本園大貓熊館3樓辦理「豬」事如意-免費生肖提燈DIY活動，於農曆正月初一到初三辦理免費生肖提燈DIY活動共9場次，每場次約40人、共計約360人次參與活動。
2/12-24	於本園大門廣場及列車站、貓空纜車各站辦理「穿山甲小旅行」元宵猜燈謎活動，與貓空纜車、指南宮、越南拯救野生動物組織(SWV)合辦，網路燈謎及現場兌換參加者共383人。
2/16	於本園教育中心、綠手指教室等位置辦理穿山甲日教育活動，與越南拯救野生動物組織(SWV)合辦播放SWV野生動物救傷影片，當日有穿山甲救傷SOP解說、穿山甲拓印、穿山甲滾元宵等教育駐站闖關活動，約200人次參與。
2/24-3/2	辦理「象足跡·象前進」特展Facebook粉絲團活動，內容包括2019運勢「象」上走測驗、大象冷知識及可愛象周邊抽獎等，共約1萬6,131人次上網關注參與。

3月

3/9	於本園兒童動物區辦理「愛樹、愛水、愛家園」植樹節暨水資源活動，與行政院農業委員會林務局羅東林業管理處合作，活動內容包括布偶見面會、教育駐站及換樹苗活動，約120人次參與。
3/17-11/16	為推廣食農教育，讓小朋友帶著家長一起接近大自然，體驗農村自然生態及樂趣，本園於開春辦理「圓仔穀物工廠」，推出農村生態體驗活動，分別為「呷好稻香報、春耕美人腿、芋來芋香」，配合稻子、茭白筍、芋頭三種水田作物的生長過程，每種作物各有3-4次不同的體驗活動。自3月17日至11月16日辦理10梯次，讓學童下田種植、除草、施肥到收穫，親自操作農事，瞭解作物生長過程，體驗作物成長情境及收成樂趣，並推廣自然生態環境保育，以增進民眾友善土地的環境保育意識，共計388人次參與。
3/30	本園辦理「DISCOVERY李玟一日保育員-大象保育工作」記者會，於教育中心、非洲象展場前辦理本園大象保育工作及大象堆肥介紹、代言人示範及動物認養推廣等活動，約500人參與。



「愛樹·愛水·愛家園」植樹節活動



FEB	
2/5-7	In order to welcome people to come to Wenshan District for giving New Year's greetings and activate the tour guide atmosphere of New Year Festivities, the zoo held a red envelope flash activity from the first day to the third day of the first month of the lunar calendar combined with the characteristics of animal conservation and education of the Chinese zodiac and let the animal friends pay a New Year's greetings to the people. A total of 1,700 red envelopes were sent out, and the public responded enthusiastically.
2/5-7	Free Chinese zodiac sign lantern DIY activities were held on the third floor of the Giant Panda House of the zoo, and a total of 9 free Chinese zodiac lantern DIY activities from the first day to the third day of the first month of the lunar calendar were held, with about 40 people per session and a total of about 360 participants.
2/12-24	The "Pangolin Trip" Lantern Festival Riddle Guessing Activities were held at the main gate plaza and train station of the zoo as well as each station of Maokong Gondola and jointly organized with Maokong Gondola, Zhinan Temple, and Save Vietnam's Wildlife (SWV). A total of 383 people participated in internet riddles and on-site redeeming awards.
2/16	The Pangolin day education activities were held at the places such as Education Center, Green Finger Classroom of the zoo, and playing the wild animals rescue videos of Save Vietnam's Wildlife(SWV) was jointly organized with SWV. On that day, there were educational breakthrough activities including pangolin rescue SOP commentary, rubbing, and rolling Lantern Festival, with about 200 participants.
2/24-3/2	The Facebook fan page activities of the "Moving Forward with Elephants" special exhibition were held, including 2019 fortune test, trivia about elephants and drawing merchandise about cute elephants. A total of about 16,131 people went online to follow and participate.
MAR	
3/9	The "Love Trees, Love Water, Love Home" Arbor Day and Water Resource Activities were held at the Children's Zoo and cooperated with Luodong Forest District Office, Forestry Bureau, Council of Agriculture, Executive Yuan. The activities included puppet meetings, educational on-site guidance, and sapling exchange activities, with about 120 participants.
3/17-11/16	In order to promote food and agriculture education, allow children to bring their parents to get close to the nature and experience the natural ecology and fun in rural areas, the zoo held the "Yuanzai Rice Factory" in the beginning of spring, and launched the rural ecological experience activities of "Eating Good Rice and Informing, Farming Beauty legs in Spring, Farming taros and the smell of taros comes", respectively. According to the growth processes of three paddy field crops of rice, water bamboo, and taro, there were 3-4 different experience activities on each crop. We had held 10 sessions from March 17 to November 16, allowing school children to plant, weed, fertilize and harvest. They personally operated farming to understand the growth processes of crops, experience the growth situations of crops and the fun of harvesting crop. In addition, we promoted the environment conservation of the natural ecology to increase the public awareness of environmental conservation-friendly land, with a total of 388 participants.
3/30	The zoo held the press conference of "DISCOVERY-Coco Lee's One Day Zookeeper Experience", and held activities including the elephant conservation work and elephant compost introduction, spokesperson demonstration, and animal adoption promotion in front of the Education Center and the African elephant exhibition House in the zoo, with about 500 participants.



動物星球頻道CoCo李玟擔任一日非洲象保育員



非洲象的聽覺和嗅覺十分靈敏，能藉由耳朵和鼻子來辨識人的聲音及氣味



2019 涸島城隍觀光文化季及水獺保育推廣系列活動-大金小金迎城隍

4月	
4/1-5/1	辦理「ZooBaby Online」線上學習活動，以動物寶貝「無尾熊、蘭嶼豬、小爪水獺、長頸鹿、斑哥條紋羚、箭毒蛙、亞達伯拉象龜及藍腹鵝」為主角，讓大眾了解動物生態習性和動物寶貴的小知識，共2,334人參加。
4/13-14	辦理「2019 涸島城隍觀光文化季及水獺保育推廣系列活動-大金小金迎城隍」，與金城鎮公所、金門酒廠、金門縣政府建設處等單位合辦，活動內容包括動物布偶表演、蜈蚣座親子體驗、城隍神轎遊行及教育駐站等活動，約1,000人參加。
4/20	於本園大門廣場辦理「綠能轉型·動物向前行」世界地球日活動，與工研院、經濟部能源局合辦，活動內容有舞臺活動、綠能園遊會及抽獎活動等，本園提供布偶表演、教育駐站及園區闖關活動等，約3,000人參加。
4/25、27	4月25日為世界企鵝日，以企鵝為列車長辦理2場次教育解說活動；4月27日為世界獾日及拯救瀕危青蛙日，以馬來貘及青蛙各擔任上下午列車長進行活動。活動內容包括與遊客共乘、動物列車長介紹及Q&A互動等，共辦理4場次，約747人參加。
5月	
5/4	與臺北市動物園之友協會、中華民國兒童癌症基金會及經濟部標準檢驗局等合辦108年「送愛到兒癌-你我手牽手一起來健走」活動，內容有布偶表演、教育駐站、健康健走及母親節感恩活動等，約1,000人參加。
5/11	與金城幼兒園於金門辦理「2019 涸島城隍觀光文化季及水獺保育推廣系列活動-蜈蚣親子座嘉年華暨行動動物園」，活動內容包括親子蜈蚣座繞行、教育駐站、布偶遊行等；嘉年華活動約1,000人參與，行動動物園共750位師生參與。
5/16	與金門中正國小於金門辦理「2019 涸島城隍觀光文化季及水獺保育推廣系列活動-城隍遠境暨行動動物園」，內容包括城隍遠境扛轎、教育駐站、布偶遊行等；城隍遠境約1,500人參與，行動動物園共180位師生參與。
5/22	於本園綠手指教室辦理「522國際生物多樣性日暨貨架上的雨林特展開幕」活動，活動內容有安排品嘗雨林咖啡的下午茶時間、導覽特展、貨架上的雨林COCOAR集點活動等，約50人參加。
5/25	為響應世界水獺日，本園舉辦「2019 涸島城隍觀光文化季及水獺保育推廣系列活動-水獺寶寶命名」活動，於現場與金門連線進行水獺寶寶命名直播，由金門涸島城隍廟管理委員會楊耀芸主委擲筊，讓涸島城隍爺選出水獺寶寶新名為「青嶼」。現場約1,000人參與，直播總觸及2萬7,851人、互動5,981次、影片1萬1,209人次觀看。



蜈蚣座親子體驗



結合水獺保育，辦理小型遠境活動



公揆婆傳統表演



馬來貘站長與民眾互動

企鵝列車長與大家打招呼

一日列車長活動

APR	
4/1-5/1	The zoo held "ZooBaby Online" learning activities, with the animal babies "koalas, Lanyu pigs, Asian small-clawed otters, giraffes, bongos, poison frogs, Aldabra giant tortoises and Swinhoes pheasants" as the main characters to let the public understand the tips of animals' ecological habits and animal babies, with a total of 2,334 participants.
4/13-14	The zoo held the "2019 Wudao City God Festival and the Conservation activities for the Eurasian otter" and jointly organized with Jincheng Township Administration, Kinmen Kaoliang Liquor Inc., Economic Affairs Department of Kinmen County Government. The activities included animal puppet performances, centipede procession experiences, City God's palankeen pilgrimage and educational on-site guidance, with about 1,000 participants.
4/20	The zoo held the "Green Energy Transformation, Animals Moving Forward" World Earth Day activities at the main gate plaza of the zoo and jointly organized with Industrial Technology Research Institute and Bureau of Energy, Ministry of Economic Affairs. The activities included stage activities, green energy garden party and drawing activities. The activities included puppet performances, educational on-site guidance and breakthrough activities. There were about 3,000 participants.
4/25、27	April 25 is World Penguin Day, and two educational commentary activities were held with penguins as the conductor; April 27 is World Tapir Day and Save the Frogs Day, and the activities were carried out with Malayan tapirs and frogs each serving as conductors in the morning and afternoon. The activities included sharing rides with tourists, the animal conductor introduction, and Q&A interaction. There were four sessions with a total of about 747 participants.
MAY	
5/4	The 2019 "Sending Love to Childhood Cancer" activities were jointly organized with the Zoological Society of Taipei, Childhood Cancer Foundation of R.O.C. and Bureau of Standards, Metrology and Inspection, M.O.E.A.. The activities included puppet performances, educational on-site guidance, exercise walking and Mother's Day thanksgiving activities, with about 1,000 participants.
5/11	The "2019 Wudao City God Festival and the Conservation activities for the Eurasian otter- centipede procession Carnival and Mobile Zoo" was held with Jincheng preschool in Kinmen. The activities included the parent-child centipede procession, educational on-site guidance, and puppet parade. About 1,000 people participated in the carnival activities, and a total of 750 teachers and students participated in the mobile zoo.
5/16	The "2019 Wudao City God Festival and the Conservation activities for the Eurasian otter - City God Pilgrimage and Mobile Zoo" was held with Chung Cheng elementary school in Kinmen. The activities included City God's palankeen pilgrimage, educational on-site guidance, and puppet parade. About 1,500 people participated in City God pilgrimage, and a total of 180 teachers and students participated in the mobile zoo.
5/22	The opening activities of "522 International Biodiversity Day and Rainforest on Shelves" special exhibition were held in the Green Finger Classroom of the zoo. The activities included the morning tea time of tasting rainforest coffee, special exhibition guided tour, gathering point activities of rainforest on the shelves CocoAR, with about 50 participants.
5/25	In response to World Otter Day, the zoo held "2019 Wudao City God Festival and the Conservation activities for the Eurasian otter- the activity of naming Otter Baby". The live broadcast of the otter baby naming activities with Kinmen was conducted on the spot, and Yang Yao-Yun, the chairperson of the management committee of the Kinmen City God Temple, threw divination blocks and invited City God to choose the new otter baby's name as "Qingyu". About 1,000 people participated on the spot, a total of 27,851 people reached the live broadcast, there were 5,981 times interaction, and 11,209 people watched the video.



邀請民眾上台與水獺人偶合照



歐亞水獺城隍選名活動 ↑ 新生的小寶寶在下水前，還是會有點怕怕的 →



6月	
6/29	與國立自然科學博物館合辦「我家蟲住民特展開幕」活動，內容包括闖關活動、特展導覽介紹等，約200人參與。
6/30	於本園大門廣場辦理「入口電子化收費系統啟用典禮」，由臺北市蔡炳坤副市長主持，邀請貴賓及現場民眾約300人共同參與。另於6月29日至7月1日辦理遊客早鳥禮活動，共600人參加。
7月	
7/6	於本園大貓熊館辦理圓仔6歲生日派對，活動內容有大貓熊市集、生日祝福、粉絲見面及記者會等，拍照留念約6,000人次參與、生日記者會約800人次參與。
7/6	於本園大門廣場辦理「生態多媒體劇場-水彩藝術表演」，與國立臺灣師範大學表演藝術所、亞熱帶生態藝術協會合辦，活動包括舞蹈演出、鋼琴演奏、多媒體播映等，約600人參與。
7/6-8/24	本園於7月6日至8月24日每週六於大門廣場辦理「2019『瀕危動物奧運會』動物夏夏叫」夜間開放活動，有藝文表演、動物舞蹈帶動跳、瀕危動物奧運會主題趣味競賽、動物主題好書大家讀、國際生態保育影展及野保市集等活動內容，共計8場次，並於每次安排主題動物進行動物保母講古，夜間總計2萬4,675人次入園、動物保母講古約2,873人參與。
7/8	於熱帶雨林區公共藝術廣場辦理「熱帶雨林區(穿山甲館)」開幕記者會，參與貴賓有臺北市柯文哲市長、林務局夏榮生組長、教育局曾燦金局長、辜嚴倬雲植物保種中心李家維執行長等人，當日有雨林小精靈-翡翠森林劇場志工演出、現場導覽及茶會活動等，貴賓及媒體共約250人參加。
7/11-8/11	本園於7月11日至8月11日辦理「安全知不知」線上闖關活動，首度以線上方式進行園區安全教育宣導，僅須以行動裝置掃描QRcode，進入活動頁面即可開始闖關活動。內容包含蜂螫避免、自動體外心臟去顫器(AED)使用、燙傷處理等安全防護小知識，共有670人參與並完成闖關。
8月	
8/1-8	以狐獴、白手長臂猿、穿山甲、大負子蟲、人猿、維多利亞冠鴿、小爪水獺、國王企鵝八個動物爸爸為主角，辦理「Animal Daddy」父親節線上闖關活動，讓民眾認識不同的動物父親角色及學習尊重多元的生命樣貌，共1,753人參與。
8/1-8/31	自105年度開始，為響應臺北市政府「高齡友善健康城市、安全社區、安心場所暨健康生活型態營造」等政策，本園與文山健康中心夥伴，共同打造全球首創，結合健康、科技(QR code)、安全(AED)、無障礙、自然生態與野生動物觀察，老少咸宜的「健康『熊』讚-動物園友善安全步道」，提供民眾休閒健走有更多選擇。本園援例於8月份辦理「健康熊讚-友善安全步道集章活動」，共計約7,200名遊客共襄盛舉，送出約3,000份小禮物。
8/30	於本園大貓熊館辦理大貓熊「團團」、「圓圓」15歲生日記者會，活動內容有生日蛋糕祝福、保育教育駐站等，參觀人次約1,200人，兩岸三地到訪媒體共13家。

JUN	
6/29	The opening activities of "Our Unexpected Arthropod Housemates" special exhibition were jointly organized with National Museum of Natural Science. The activities included breakthrough activities and special exhibition guided tour, with about 200 participants.
6/30	The opening ceremony of electronic toll collection system for the entrance was held at the main gate plaza and hosted by Tsai Bing-Kun, the Deputy Mayor of Taipei City, and about 300 people including honored guests and the public participated. The early bird activities were also held from June 29 to July 1, with a total of 600 participants.
JUL	
7/6	The 6-year-old birthday party for Yuanzai was held at the Giant Panda House of the zoo. The activities included the giant panda market, birthday greetings, fan meetings and press conferences. About 6,000 people participated in taking pictures and about 800 people participated in the birthday press conference.
7/6	The "Ecological Multimedia Theatre-Watercolor Art Performance" was jointly organized with Graduate Institute of Performing Arts of National Taiwan Normal University and the Subtropical Eco-Art Association at the main gate plaza of the zoo. The activities included dance performances, piano performances, and multimedia broadcasting, with about 600 participants.
7/6-8/24	The "2019 Endangered Animals Olympics" night safari was held at the main gate plaza of the zoo every Saturday from July 6 to August 24. The activities included art performances, driving dance by animal puppet, fun games about endangered animals Olympics, reading good books on animals, international ecological conservation film festival, and the wildlife conservation market, with a total of eight sessions. In addition, the zoo arranged a keeper's talk for the themed animal each time. A total of 24,675 people entered the zoo at night, and about 2,873 people participated in keeper's talk.
7/8	The opening ceremony of "The Tropical Rainforest Area (Pangolin Dome)" was held at the Public Art Plaza of the Tropical Rainforest Area. The honored guests including Ko Wen-je, the Mayor of Taipei City, Xia Rong-Sheng, the Head of the Forestry Bureau, Zeng Tsan-Chin, the Director of Department of Education, and Li Jia-Wei, the Executive Director of Dr. Cecilia Koo Botanic Conservation Center participated. There were Rainforest Elf-Emerald Forest Theatre volunteer performance, on-site guided tour, tea party activities, with a total of about 250 honored guests and media participating.
7/11-8/11	The zoo conducted online breakthrough activities for safety knowledge from July 11 to August 11. The education of safety knowledge in the zoo was carried out online for the first time. Only scanning the QRcode with your mobile device was necessary to enter the activity page and start the breakthrough activities. The activities included tips on safety protection such as prevention from bee stinging, the way of use the automated external defibrillator (AED), and the burn treatment. A total of 670 people participated and completed the breakthrough.
AUG	
8/1-8	The "Animal Daddy" online breakthrough activities were held with eight animal fathers including meerkats, white-handed gibbons, pangolins, big water bugs, Bornean orangutans, Victoria crowned pigeons, Asian small-clawed otters and King penguins as the main characters to let the public understand the roles of different animal fathers and learn to respect the diverse life appearances, with a total of 1,753 participants.
8/1-8/31	Since 2016, in response to the Taipei City Government's policy of "Elders friendly and Healthy City, Safe Community, Safe Places and Healthy Life Style", the zoo and the partners of Wenshan Health Center jointly created a global initiative "Zoo Friendly and Safe Trail" suitable for all ages combined with health, technology (QR code), safety (AED), barrier-free, natural ecology and wildlife observation, which provides people more choices for leisure walking. In August, the zoo held the "Friendly and Safe Trail Collection Activities". A total of about 7,200 tourists participated in the event and about 3,000 gifts were given out.
8/30	The 15-year-old birthday press conference of the giant pandas "Tuan-tuan" and "Yuan-yuan" was held at the Giant Panda House of the zoo. The activities included birthday cake greetings and educational on-site guidance for conservation. About 1,200 visitors and a total of 13 media visited.



大貓熊「團團」(左)、「圓圓」(右)迎接15歲生日



動物園啟用電子化售票~民眾購票參觀更加便捷



臺北市政府蔡炳坤副市長、教育局曾燦金局長一早就在大門入口迎接大家



電子化收費系統可以使用的電子票證





一年一度的「大象保育暨尊親敬老活動」



於非洲區舉辦溫馨有趣的金剛猩猩婚禮，今年11月11日是「迪亞哥」的最後一個光棍節！



9月	
9/7	於本園大門廣場辦理「2019悠遊月光下-中秋團圓夜」活動，內容包括木偶舞臺表演、刻袖DIY活動競賽、柚燈走秀、小貓熊教育駐站及野保市集等，共1,441人參與。
10月	
10/6	於本園新丹頂鶴展場前辦理「丹頂鶴新鶴舍暨毯藻新展示開幕」活動，當日由日本北海道釧路市市長親自率領市議員、釧路日臺親善協會及釧路市動物園園長等貴賓前來祝賀。活動內容包含貴賓致贈禮物、毯藻及丹頂鶴現場導覽、介紹釧路風光等，共約500位民眾參與。
10/26	與臺北市動物園之友協會於本園大門廣場共同辦理「2019年大象保育暨尊親敬老活動」，內容有鼓隊表演、舞臺老歌欣賞、大象保育教育駐站等活動，約500人參與。
10/26	於本園大門廣場辦理「建園105年『與野同樂』保育園遊會暨萬聖節晚會活動」，內容有野保市集、動物園服務30年員工表揚典禮、本園慶生活動、2019「Zoolloween」怪奇嘉年華晚會等，共6,000人參與。
11月	
11/30	於本園大貓熊館3樓及大門廣場辦理「2019歲末送愛到兒癌暨聖誕樹點燈活動」，內容包括園區參觀、動物布偶見面會及聖誕樹點燈等，共200人參與。
11/30	於本園大門廣場及教育中心辦理「親子共讀保育-點亮生命之燈」活動，內容有母熊英卡繪本故事表演、聖誕樹點燈、彩虹故事車等活動，共300人參與。
12月	
12/1	於本園大門廣場辦理「雨林共舞-地球我們的家」活動，內容有舞蹈表演、音樂演奏、教育駐站等，共300人參與。
12/8	於本園非洲區金剛猩猩展場前辦理「天作之荷-好事成雙」母金剛猩猩放展活動，內容有開幕表演、好禮致贈、教育駐站等，共300人參與。
12/15	於本園教育中心大廳辦理「本園與日本豐橋綜合動植物公園保育合作備忘錄簽約」活動，內容有動物布偶見面會、貴賓致詞及合作備忘錄簽署儀式，共約60人參與。
12/29	於本園溫帶動物區及教育中心前辦理「亞洲黑熊黑糖慶生會」，活動內容包括繪本說故事、保母講古、切生日蛋糕、南安小熊影片欣賞等，共150人參與。

SEP	
9/7	The Moon Festival activities were held at the main gate plaza of the zoo. The activities included animal puppet performances, DIY activity of carving shaddocks, shaddock lamp fashion show, educational on-site guidance for red pandas and the wildlife conservation market, with a total of 1,441 participants.
OCT	
10/6	The opening activities of new exhibit for red-crowned crane and the exhibition of marimo were held in front of the new red-crowned crane exhibit of the zoo. On that day, The Mayor of Kushiro City, Hokkaido, Japan, personally led the honored guests including the city councilors, the Society for the Friendship between Japan and Taiwan, and the Director of Kushiro City Zoo to come and congratulate. The activities included gifts presented from honored guests, on-site guided tours of the marimo and red-crowned cranes, and introduction of Kushiro scenery, with a total of 500 participants.
10/26	The Activities of elephant conservation and respect for the elders were jointly organized with the Zoological Society of Taipei at the main gate plaza of the zoo. The activities included drum team performances, old songs appreciation, and educational on-site guidance of elephant conservation, with about 500 participants.
10/26	The 105 <sup>th</sup> Birthday Party of the Zoo and Halloween Activities were held at the main gate plaza of the zoo. The activities included the wildlife conservation market, the employee recognition ceremony for 30 years of zoo service, the birthday activities of the zoo, and the 2019 "Zoolloween" carnival, with a total of 6,000 participants.
NOV	
11/30	The "Sending Love to Childhood Cancer and Lightening Christmas Tree Activities at the End of 2019" was held on the third floor of the Giant Panda House and at the main gate plaza of the zoo. The activities included zoo visiting, animal puppet meetings, and Christmas tree lightening, with a total of 200 participants.
11/30	The "Parent-Children Reading Together about Conservation - Lighting the Light of Life" activities were held at the main gate plaza and Education Center of the zoo. The activities included sharing the story of Medvedica Ingrid, Christmas tree lighting, and rainbow story car, with a total of 300 participants.
DEC	
12/1	The "Dancing in the Rainforest - Earth is Our Home" activities were held at the main gate plaza of the zoo, including dance performances, music performances, and educational on-site guidance, with a total of 300 participants.
12/8	The activities for celebrating the exhibition of new female gorilla were held in front of the gorilla exhibition in the African Animal Area of the zoo. The activities included opening performances, gifts present, educational on-site guidance, with a total of 300 participants.
12/15	The activities of "Conservation Cooperation Memorandum Signing Between The Zoo and Toyohashi Zoo and Botanical Park in Japan" were held at the Education Center hall of the zoo. The activities included animal puppet meetings, addresses by honored guests and cooperation memorandum signing ceremony, with a total of about 60 participants.
12/29	The birthday party of Asian Black Bear "Brown Sugar" was held in front of the Temperate Zone Animal Area and Education Center of the zoo. The activities included stories telling, animal keeper's talk, cutting birthday cake, appreciation of Nan-an small bear videos, with a total of 150 participants.



好玩有趣的「與野同樂保育園遊會」

「2019 Zoolloween怪奇動物園」萬聖節活動，歡迎您創意打扮和動物園一起慶祝105歲生日快樂



「2019 Zoolloween怪奇動物園」活動，由擔任星探的工作人員，從當天的民眾中挑選出精心變裝的小明星或親子組合，邀請踏上星光大道



萬聖節活動時，只要完成闖關即可參加抽獎



時間步入10月中旬，園區萬聖節的氣氛也越來越濃厚！

108年常態教育推廣活動及服務一覽表

項目	服務量				
臺北市國小三年級學生參觀教學	147	校	21,262	人	
團體預約解說導覽服務 – 總計	179	團	9,351	人次	
團體預約解說導覽服務 (一般)	142	團	7,851	人次	
團體預約解說導覽服務 (弱勢民眾)	37	團	1,500	人次	
動物保母解說服務	35	種動物	164	場次	11,317 人次
機關中文網首頁造訪人次	4,714,324				人次
機關英文網首頁造訪人次	278,030				人次
臺北動物園保育網首頁造訪人次	548,493				人次
社群平臺行銷管道	108年12月 追蹤 / 訂閱人數		108年1-12月 瀏覽人數 (人次)		
Facebook粉絲團	144,461		100,967,115		
Youtube頻道	179,000		12,527,349		
IG	11,407		767,775		
圖書館館藏數量 (冊) 【圖書館目前休館整修中暫停服務】	中文圖書	英文圖書	日文圖書	總計	
	8,595	5,480	529	14,604	

106-108年度新聞發佈一覽表

單位：則

年度	新聞發佈			其他相關報導露出件次
	發佈則數	獲媒體主動刊登則數	受媒體刊登露出件次	
106年	177	177	2,153	1,339
107年	168	168	1,431	1,738
108年	164	1,358	3,218	1,860



本園動物醫院開箱啦！  
想知道專門為野生動物提供醫療服務的動物醫院，和我們熟知的人類醫療院所有哪些不同嗎？今天就帶大家深入動物醫院去一探究竟！

Table of Regular Activities and Services for Education and Promotion in 2019

Item	Service Volume				
Visits by G3 students in Taipei City	147	School(s)	21,262	People	
Guided tour service for pre-booked groups – overall	179	Group(s)	9,351	People	
Guided tour service for pre-booked groups (general)	142	Group(s)	7,851	People	
Guided tour service for pre-booked groups (disadvantaged)	37	Group(s)	1,500	People	
Animal keeper's talks	35	Kind(s) of animals	164	Session(s)	11,317 People
No. of visitors to the Chinese homepage of the Taipei Zoo website	4,714,324				People
No. of visitors to the English homepage of the Taipei Zoo website	278,030				People
No. of visitors to the homepage of the Taipei Zoo Conservation Network	548,493				People
Social Network Marketing Channels	Dec. 2019 Tracking/No. of Subscriptions		Jan. – Dec. 2019 No. of Viewers		
Facebook Fanpage	144,461		100,967,115		
Youtube Channel	179,000		12,527,349		
Instagram	11,407		767,775		
Library collection size (no. of books) [ The library is currently closed and service paused for renovation ]	Chinese books	English books	Japanese books	Total	
	8,595	5,480	529	14,604	

Numbers of Press Releases for Years 2017~2019

Unit : piece of news

Year	News releases			Other reports
	Press releases	Active reports by media	Total number of reports by media	
2017	177	177	2,153	1,339
2018	168	168	1,431	1,738
2019	164	1,358	3,218	1,860



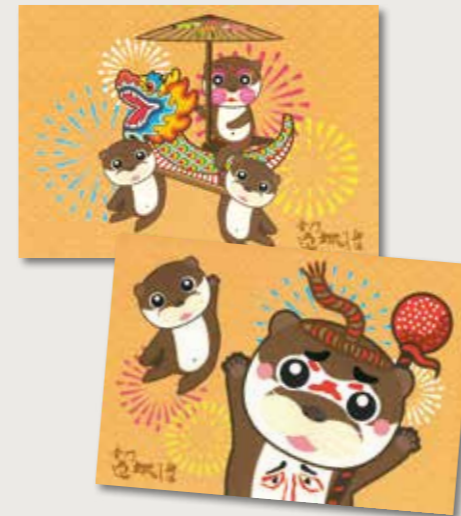
剛孵化的紅腿象龜 (鄭陳崇 / 攝)

108年度文宣出版品一覽表

名稱	出版日期
<b>專書</b>	
我是圓毯藻	108年12月
<b>期刊</b>	
動物園雜誌 (153-156期)	108年1、4、7、10月
志工月訊 (月刊)	每月月初
動物園年報 (CD)	108年12月
<b>摺頁</b>	
「象足跡·象前進」特展摺頁	108年01月
「我家蟲住民」特展摺頁	108年06月
動物園遊園摺頁-「水獺封面」	108年07月
動物園遊園摺頁-「穿山甲封面」(日文版)	108年07月
動物園遊園摺頁-「非洲野驢封面」(英文版)	108年07月
<b>小冊</b>	
「象足跡·象前進」特展小冊	108年1月
「黑熊森林歷險記」學習手冊	108年1月
<b>海報</b>	
「象足跡·象前進」特展海報	108年1月
<b>明信片</b>	
「金門迎城隍」水獺明信片	108年5月
<b>貼紙</b>	
動物靜電貼紙	108年12月
<b>桌曆</b>	
2020保育教育桌曆	108年10月
2020保育教育手札及信封	108年11月



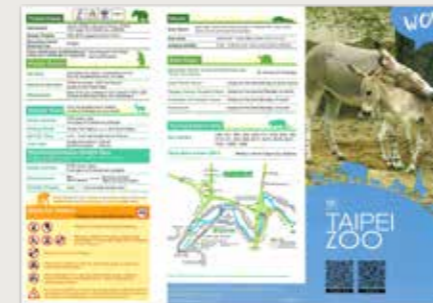
專書-我是圓毯藻



水獺明信片



動物園雜誌



動物園遊園摺頁

List of Publications in 2019

Title	Publication Date
<b>Book</b>	
I am marimo	Dec. 2019
<b>Periodicals</b>	
Taipei Zoo Quarterly (Issues 153-156)	Jan., Apr., Jul., Oct. 2019
Volunteer Monthly (monthly issues)	Beginning of Each Month
Annual Report of Taipei Zoo (CD edition)	Dec. 2019
<b>Fold-out Pamphlets</b>	
Fold-out of "Moving Forward with Elephants" special exhibition	Jan. 2019
Fold-out of "Our Unexpected Arthropod Housemates" special exhibition	Jun. 2019
Fold-out of "Zoo Tour Guide - Otter Cover"	Jul. 2019
Fold-out of "Zoo Tour Guide - Pangolin Cover" (Japanese version)	Jul. 2019
Fold-out of "Zoo Tour Guide - African Wild Ass Cover" (English version)	Jul. 2019
<b>Booklet</b>	
Booklet of "Moving Forward with Elephants" special exhibition	Jan. 2019
Learning handbook of "Black Bear Forest Adventures"	Jan. 2019
<b>poster</b>	
Poster of "Moving Forward with Elephants" special exhibition	Jan. 2019
<b>Postcard</b>	
Otter postcard of "Kinmen City God welcoming"	May. 2019
<b>Stickers</b>	
Animal Electrostatic Stickers	Dec. 2019
<b>Calendar</b>	
2020 Conservational Education Desk Calendar	Oct. 2019
2020 Conservation Education Handbook and Envelope	Nov. 2019



2020保育教育桌曆與手札



花豹

紀念品	
豬年特展背包	108年1月
豬年特展紙膠帶	108年1月
一元復始紅包-穿山甲	108年1月
彩繪象模型	108年1月
水獺手機擦拭貼	108年5月
大食蟻獸手機擦拭貼	108年5月
水豚手機擦拭貼	108年5月
金門迎城隍水獺徽章	108年5月
衣魚紙雕	108年6月
蟑螂膠帶	108年6月
螞蟻徽章	108年6月
米象徽章	108年6月
大白斑蝶蛹徽章	108年6月
荷葉扇(大貓熊、水獺)	108年6月
水豚小書包	108年6月
性平不鏽鋼吸管	108年7月
臺灣黑熊徽章	108年7月
褐林鴉徽章	108年7月
食蛇龜徽章	108年7月
白手長臂猿徽章	108年7月
亞洲象徽章	108年8月
石虎徽章	108年8月
白頸狐猴徽章	108年8月
侏儒河馬徽章	108年8月
世界地圖環保袋	108年8月
螢火蟲L夾	108年10月
丹頂鶴環保扇	108年10月
水獺小方巾	108年11月
金剛猩猩L夾	108年12月



丹頂鶴環保扇

手機擦拭貼

螢火蟲L夾

金剛猩猩L夾

衣魚紙雕

一元復始紅包

水豚小書包

水獺小方巾

豬年特展背包

金門迎城隍水獺徽章

豬年特展紙膠帶

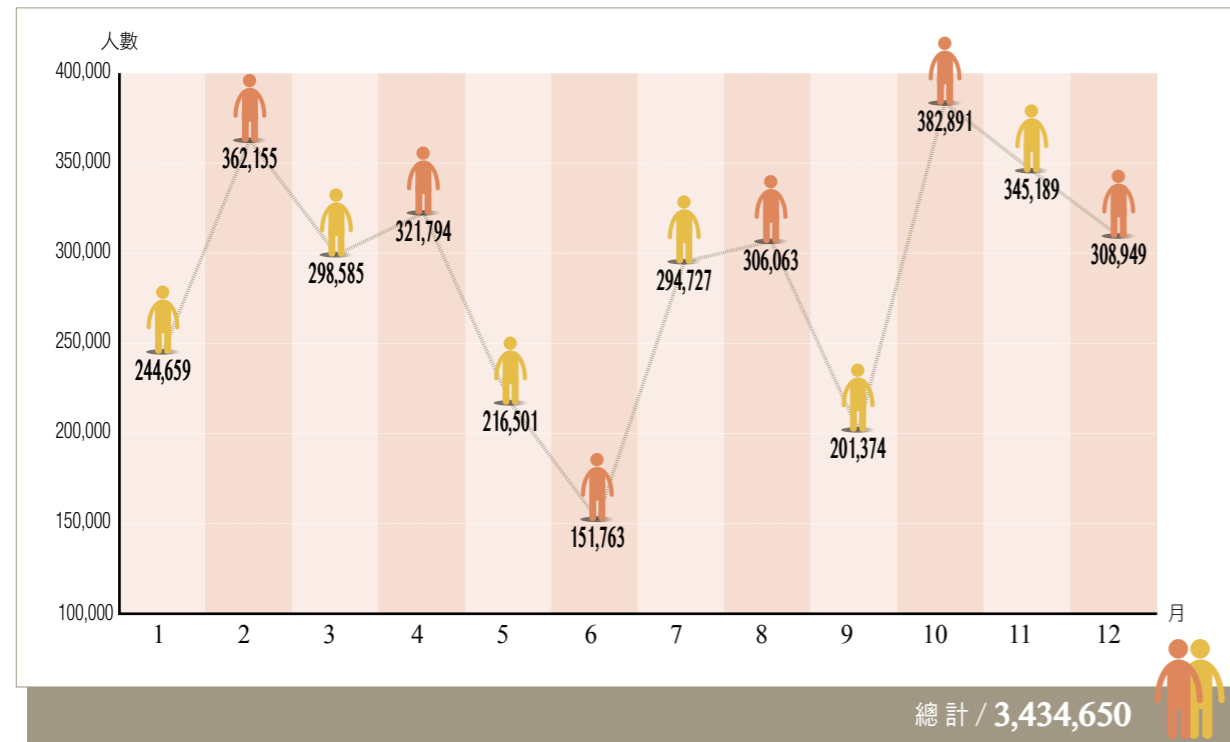
Souvenirs	
Backpack of the special exhibition of the Year of pig	Jan. 2019
Masking Tapes of the special exhibition of the Year of pig	Jan. 2019
Red envelope of Pangolin	Jan. 2019
Painted elephant model	Jan. 2019
Otter phone screen cleaner sticker	May. 2019
Giant Anteater phone screen cleaner sticker	May. 2019
Capybara phone screen cleaner sticker	May. 2019
Otter emblem of "Kinmen City God welcoming"	May. 2019
Silverfish paper sculpture	Jun. 2019
Cockroach tape	Jun. 2019
Ant emblem	Jun. 2019
Rice weevil emblem	Jun. 2019
Large tree nymph chrysalis emblem	Jun. 2019
Lotus fan (giant panda, otter)	Jun. 2019
Capybara school bag	Jun. 2019
Stainless steel straws	Jul. 2019
Formosan Black Bear emblem	Jul. 2019
Brown wood owl emblem	Jul. 2019
Yellow-margined box turtle emblem	Jul. 2019
White-handed gibbon emblem	Jul. 2019
Asian elephant emblem	Aug. 2019
Leopard cat emblem	Aug. 2019
Black-and-white ruffed Lemur emblem	Aug. 2019
Pygmy hippopotamus emblem	Aug. 2019
World map reusable bag	Aug. 2019
Firefly L-folder	Oct. 2019
Red-crowned crane environmental-friendly fan	Oct. 2019
Otter small kerchief	Nov. 2019
Gorilla L-folder	Dec. 2019

昆蟲館裡的蝴蝶，早上享用過保育員提供的果汁精力湯之後，就會開始飛舞尋找另一半(枯葉蝶)

保育員在洗竹葉時，常常有機會發現可愛的「莫氏樹蛙」藏在竹葉裡

### 遊客服務

108年每月入園遊客統計表

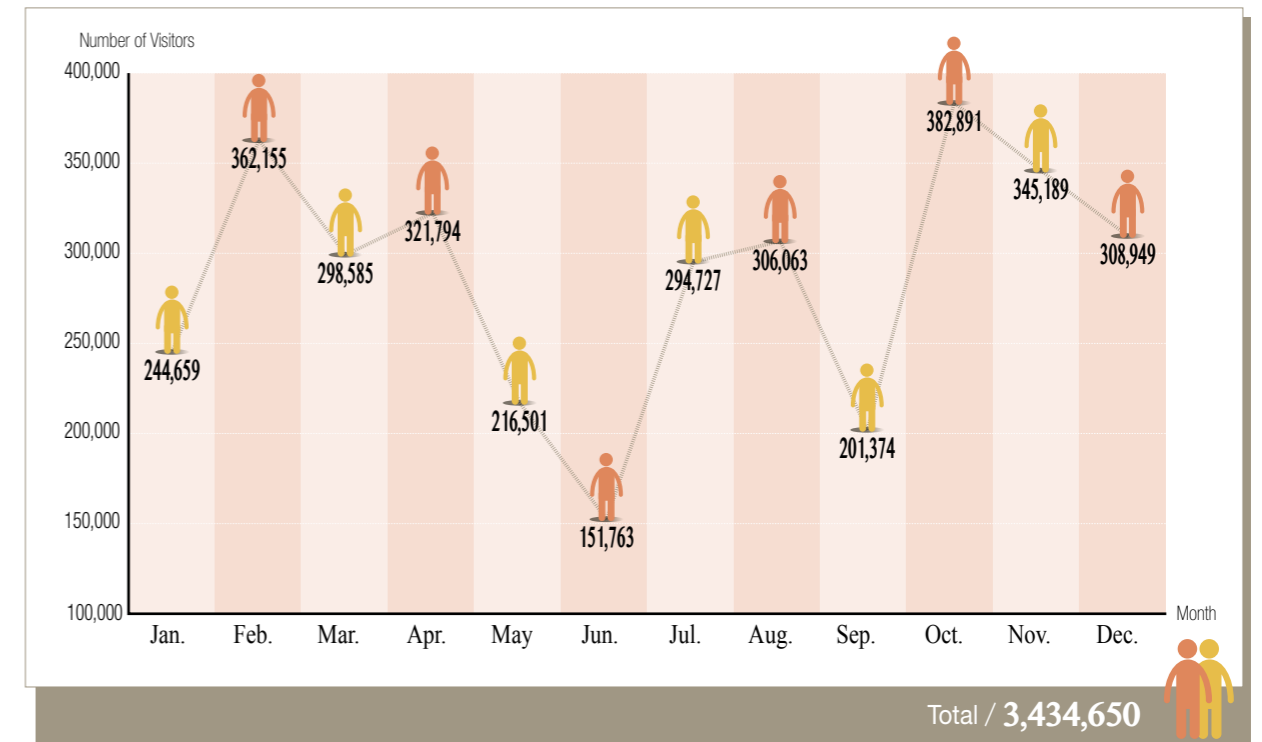


108年遊客服務案件統計表

遊客服務中心服務項目	服務案次
遺失物協尋	1,662
拾得物處理	629
諮詢電話服務	50,572
播音服務	12,160
禁菸宣導播音	11,490
傷患處理	61
迷失兒童照護	34
國、高中以上學生(含政大關懷天使專案)公共服務登記	10,379
國、高中以上學生(含政大關懷天使專案)公共服務安排(實到數)	9,041
緊急電話接聽處理	4,298
遊園摺頁回收	4,435
護理站服務項目	服務案次
護理照護	2,771

### Visitor Services

Monthly visitors in 2019



Services provided to Tourists in 2019

Services provided by the Visitor Center	Number of times
Lost and found	1,662
Handling lost objects	629
Consultation call services	50,572
Broadcasting service	12,160
Smoking prohibition broadcasts	11,490
Injury treatment	61
Caring for lost children	34
Public service registrations by high school and post-secondary students (including the NCCU's Caring Angel Project)	10,379
Public service arrangements for high school and post-secondary students (including the NCCU's Caring Angel Project) (no. of students actually reported)	9,041
Answering emergency telephone calls	4,298
Recollecting fold-out pamphlets	4,435
Services Provided by the Nursing Station	Number of times
Nursing Care	2,771

## ■ 108年園區環境保育及維護管理統計表

項目	數量	單位
更新栽種草花地被植物	34,075	株
設置植物物種解說牌	463	種
	740	面
更新植物物種解說牌	281	面
設置資源回收桶及回收袋組	103	個
回收資源	109,117	公斤
以動物糞便自製生產堆肥	309.21	噸
廁所	30	處
廁間	239	間
小便斗	133	個
多功能無障礙廁所	29	間

## 會計概況

## 1. 108年度歲入

本年度歲入預算數1億6,462萬元，決算數1億9,398萬7,913元。

## 2. 108年度歲出

## ■ 108年度歲出預算數執行分析表

工作計畫	預算數(元)	決算數(元)	執行率
經常門	535,405,866	532,573,824	99.47%
行政管理	265,944,864	265,460,664	99.82%
動物園管理	269,461,002	267,113,160	99.13%
動物保育展示	76,892,046	76,645,451	99.68%
動物保育研究與永續發展	5,574,000	5,459,108	97.94%
環境生態保育	35,413,000	35,282,023	99.32%
教育推廣	22,797,000	22,778,006	99.92%
動物醫療保健	10,152,000	9,646,046	95.02%
遊客服務	45,458,956	44,547,903	98.00%
機械及設備維護	73,174,000	72,754,623	99.43%
資本門	81,539,250	78,489,631	96.26%
營建工程	59,643,000	56,815,205	95.26%
交通及運輸設備	2,640,000	2,500,000	94.70%
其他設備	19,256,250	19,174,426	99.58%
合計	616,945,116	611,063,455	99.05%

## ■ Environment maintenance and management in 2019

Item	Quantity	Unit
Renewal of the ground cover	34,075	Plants
Plant description panels	463	Species
	740	Panels
Renewed plant description panels	281	Panels
Recycle Bins and Bags	103	Bins
Recycled resources	109,117	Kg
Manure fertilizer made from the feces of animals	309.21	Tons
Restrooms	30	Restroom
Toilets	239	Toilet
Urinals	133	Urinal
Multi-function Barrier-free Restrooms	29	Restroom

## Financial Profile

## 1. 2019 Revenue

The budget of revenue was NT\$ 164,620,000; and the actual revenue was NT\$ 193,987,913.

## 2. 2019 Expenditure

## ■ TTaipei Zoo's Budgeted and Actual Expenditures for Fiscal Year 2019

Item	Budgeted (\$NT)	Actual (\$NT)	Implementation Rate
Total Operation Expenditure	535,405,866	532,573,824	99.47%
Administration and management	265,944,864	265,460,664	99.82%
Zoo Management	269,461,002	267,113,160	99.13%
Animal conservation and exhibition	76,892,046	76,645,451	99.68%
Animal conservation research and sustainable development	5,574,000	5,459,108	97.94%
Environmental and ecological conservation	35,413,000	35,282,023	99.32%
Education and promotion	22,797,000	22,778,006	99.92%
Animal health care	10,152,000	9,646,046	95.02%
Visitor services	45,458,956	44,547,903	98.00%
Machine and equipment maintenance	73,174,000	72,754,623	99.43%
Total Capital Expenditure	81,539,250	78,489,631	96.26%
Constructions	59,643,000	56,815,205	95.26%
Transportation equipment	2,640,000	2,500,000	94.70%
Other equipment	19,256,250	19,174,426	99.58%
Total	616,945,116	611,063,455	99.05%