
DEPARTMENT OF PAEDIATRICS AND CHILD HEALTH

Annual Report for Tygerberg Hospital and Stellenbosch University 2015

**HEAD OF DEPARTMENT
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EXECUTIVE SUMMARY – 2015

The inpatient admissions were stable at 17 140 in 2015 (11 238 children admitted to general paediatrics and 5 902 for highly specialized paediatric care) in the Department of Paediatrics and Child Health, Stellenbosch University in Tygerberg Hospital, serving the East Metropolitan region of the greater Cape Town and the North-Eastern districts of the Western Cape. The average bed occupancy rate (BOR) was 94% for general paediatrics and 77% for highly specialized paediatric services. There was a rise in number of new paediatric oncology patients of 12% to 73 in 2015. There was a decrease in number of neonatal deaths from 24.98 in 2014 to 11.93 in 2015.

A total of 6 PhD degrees were awarded in 2015 to Proff UD Feucht, P Goussard, Drr AM Mandalakas, RS Solomons, S Thee and Prof R Van Toorn, with Proff Goussard and Van Toorn being promoted to associate professor. Dr Amy Slogrove was awarded her PhD from the University of British Columbia (UBC), Vancouver, Canada. The undergraduate pass rate increased from 96% in 2014 to 98% in 2015, while 10 MMed(Paed) students completed their Master's degree in paediatrics and 2 paediatricians qualified as subspecialists (medical oncology and neonatology). There are currently 13 enrolled PhD students. There were 89 peer reviewed articles and one book published by staff members. Nine staff members have NRF ratings with 2 as category A2.

Outstanding achievements included Prof Robert Gie receiving the Princess Chichibu Memorial TB Global Award recognising his outstanding contributions to global TB control. Prof Nulda Beyers was the first runner-up in the category: Distinguished Women Researchers at the annual South African Women in Sciences Award ceremony. Both Prof Beyers and Prof Simon Schaaf are appointed as Honorary Members of The Union. Prof Anneke Hesseling was also awarded the NRF SARChi Chair in Paediatric Tuberculosis. Proff Mark Cotton and Anneke Hesseling was appointed as distinguished professors.

Constraints experienced due to the financial savings plan with less session holders filled, especially in Paediatric Neurology and Neurodevelopment. Another constraint were a serious shortage of nursing staff, especially in critical care.

Professor Mariana Kruger

Part 1

RESOURCES AND OUTPUT

Human Resources

| <u>Posts (full-time)</u> | <u>Number</u> | <u>Filled</u> |
|--|------------------------|------------------------|
| Professor/Chief Specialists | 2 | 2 |
| Chief Specialist | 1 | 1 |
| Principal Specialists | 4 | 4 |
| Senior Specialists | 25+1(5/8) | 25+1(5/8) |
| Senior Registrars | 5 (8 Supernumeraries) | 5 (8 Supernumeraries) |
| Registrars | 31 (6 Supernumeraries) | 31 (6 Supernumeraries) |
| Medical Officer | 25 | 25 |
| <u>Posts (sessional – hours per week)</u> | | |
| Specialist | 6 (48 hours) | 6 (48 hours) |
| Number of beds | 268 | 268 |

| Summary of Output | 2015 | 2014 | 2013 |
|----------------------------------|------------------|-------------------------|-------------------------|
| General Paediatrics | | | |
| Inpatients | 11238 (-1.5%) | 11410 (2.67% growth) | 11113 (13% growth) |
| Outpatients | 14658 (-1.4%) | 14872 (11%) | 13392 (-5.5% growth) |
| Subspecialist Paediatrics | | | |
| Inpatients | 5902 (-2.7) | 6068 (3.8%) | 5844 (10% growth) |
| Outpatients | 13384 (-1.5%) | 13595 (-3%) | 14039 (0.7% growth) |

Output

SUBSPECIALIST PAEDIATRICS

Total patient admissions 2015 (Clinicom data)

| *A9 NICU | A9 PICU | A9 High Care | Trachea Unit | G1 | G3 | G9 | G10 | Total |
|----------|---------|--------------|--------------|------|-----|------|-----|-------------|
| 506 | 730 | 234 | 98 | 1152 | 925 | 1444 | 813 | 5902 |

*A9 NICU includes High-care beds, since Clinicom cannot separate data.

Bed Occupancy Rate 2015(Clinicom data)

| *A9 NICU | A9 PICU | A9 High Care | Trachea Unit | G1 | G3 | G9 | G10 | Total |
|----------|---------|--------------|--------------|-------|-------|-----|-----|------------|
| 88.4% | 83% | 46% | 69% | 95.3% | 60.3% | 80% | 96% | 77% |

*A9 NICU includes High-care beds, since Clinicom cannot separate data.

Neonatology

Staff: Prof J Smith, Drs S Holgate, G Kali, A Madide, Dr JCF du Preez, Dr H Hassan, Dr L Lloyd, 2 Senior Registrars (Dr A Maalim, Dr Z Kajee), 6 Registrars, 7 Medical Officers

A9 Intensive Care Unit

Staff: 1 Consultant (on rotation), 2 Registrars, 1 Medical Officer

| Beds n=8 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 506 | 473 | 491 |
| Average Hospital Stay in Days | 7.9 | 8.1 | 8.4 |
| Average Bed Occupancy % | 88.4% | 134% | 138% |
| % Growth | +7% | -3.6% | -5.2% |
| Deaths | 101 (20%) | 88 (18.6%) | 91 (18.5%) |

Ward G1: Neonatal Unit – Babies born outside TBH

Staff: 2 Consultants (on rotation), 1 Registrar, 2 Medical Officers, 1 Intern

| Beds n=30 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 1152 | 1168 | 1030 |
| Average Hospital Stay in Days | 9.2 | 9.2 | 10.1 |
| Average Bed Occupancy % | 95.3% | 96% | 92% |
| % Growth | -1.3% | 13.4% | -10% |
| Deaths | 36 | 30 | 15 (1.4%) |

A9 Paediatric Intensive Care Unit

Staff: Proff R Gie, Drs N Parker, Dr I Appel, 3 Registrars, Medical Officer

| Beds n=10 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 745 | 711 | 790 |
| Average Hospital Stay in Days | 4 | 5 | 4.1 |
| Average Bed Occupancy %* | 81.6% | 97.4% | 87% |
| % Growth | 4.6% | -10% | 12.2% |
| Deaths | 55 (7.39%) | 76 (10.7%) | 92 (11.6%) |

*Could not admit due to staff shortages from December 2015.

A9 Paediatric High Care Unit

Staff as mentioned above.

(High Care Unit opened May 2012)

| Beds n=4 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 220 | 333 | 275 |
| Average Hospital Stay in Days | 3 | 3.1 | 3.7 |
| Average Bed Occupancy % | 45.2% | 62% | 55.4 |

| | | | |
|--------|---|---|---|
| Deaths | 3 | 0 | 5 |
|--------|---|---|---|

A9 Tracheostomy Unit

Staff as mentioned above:

| Beds n=6 | 2015 | 2014 | 2013 |
|-------------------------|------|-------|------|
| Admissions | 91 | 115 | 33 |
| Average Bed Occupancy % | 69% | 77.6% | 85% |
| Deaths | 1* | 0 | 1 |

*22 year old female admitted with high cervical spine injury at age 2 years and ventilator dependent since then. Died from pneumonia as complication of long term ventilation.

Ward G9 Paediatric Pulmonology and Allergy

Staff: Prof R Gie, Prof P Goussard, Dr J Morrison (6 hours/week), 1 Senior Registrar (Dr A Masu), 2 Registrars, Shared Medical Officer in G9

| Pulmonology Beds n=10 | 2015 | 2014 | 2013 |
|-------------------------------|------|-------|------|
| Admissions Pulmonology | 925 | 817 | 640 |
| Average Hospital Stay in Days | 5.7 | 5.8 | 5.90 |
| Average Bed Occupancy % | 92% | 89.5% | 65% |
| % Growth | 9% | 27.5% | 0% |
| Deaths | 1 | 0 | 5 |

Theatre procedures and Other Activities

- Bronchoscopies: 367
- Thoracic surgery: 62

Ward G9 Neurology

Staff: Prof R van Toorn, Dr R Solomons, Dr P Springer, Dr H Saunders (15 hours/week) Prof JF Schoeman (4 hours/week), 1 Senior Registrar (Dr A Thomas), 2 Registrars

| Beds n=10 | 2015 | 2014 | 2013 |
|-------------------------------|----------|---------|---------|
| Admissions | 425 | 339 | 441 |
| Average Hospital Stay in Days | 6.2 | 5.9 | 6 |
| Referral other wards | 420 | 300 | 260 |
| Average Bed Occupancy % | 68% | 60% | 77% |
| % Growth | 20% | -9% | 6.5% |
| Deaths | 3 (1.2%) | 4(1.1%) | 2(0.4%) |

Other Activities

- Paediatric and neonatal EEG's reported by the 2 consultants: 569
- 6 Outreach clinics to Paarl hospital (patients seen): 75
- 4 Outreach clinics Worcester hospital (patients seen): 116
- 2 Sickle Cell Transcranial Doppler clinics (patients seen): 12
- 2 Clinics at Alta du Toit special school (patients seen): 28
- 8 Clinics Paarl School (patients seen): 80
- Autism Diagnostic Observations Schedule (ADOS) (patients): 6
- Griffith Developmental Scales assessments: 24

Ward G9 Paediatric Endocrinology

Staff: Prof E Zöllner, Dr D Abraham (5 hrs/week till May 2015), 1 Senior Registrar (Dr M Grantham), Registrar, and shared Medical Officer for G9

| Beds n=5 | 2015 | 2014 | 2013 |
|-------------------------------|----------------------|----------------------|---------------------|
| Patients admitted | 105 Diabetic | 118 Diabetics | 94 Diabetics |
| | 131 Endocrinology | 106 Endocrinology | 87 Endocrinology |
| <i>Admission Total</i> | 236 | 224 | 181 |
| Average Hospital Stay in Days | 6 | 7 | 8 |
| Average Bed Occupancy % | 80% | 67%* | 74% |
| % Growth | 5% | 24% | -7.5% |
| Deaths | 0 | 0 | 0 |

Endocrine testing performed on 92 patients

Ward G10 Gastroenterology

Staff: Dr E Nel, 1 Senior Registrar (Dr J Ikobah), Registrar, and one Intern.

| Beds n=9 | 2015 | 2014 | 2013 |
|-------------------------------|----------------|-------------|-------------|
| Admissions | 231 | 179 | 295 |
| Average Hospital Stay in Days | 8 (median 4.5) | 7 | 8 |
| Average Bed Occupancy % | 96%* | 94% | 100% |
| % Growth | 35% | -40% | 5.7% |
| Deaths | 5 (2%) | 18 (10%) | 2 |

*Clinicom data combined for gastroenterology and infectious diseases

Theatre procedures

- Paediatric Endoscopy: 39
- Adult Endoscopy: 270
- Liver Biopsy: 10

Ward G10 Infectious Diseases Unit

Staff: Prof MF Cotton, Dr H Rabie (HIV Clinic), Senior Registrar (Dr B Makongwana), Registrar, Shared Medical Officer for G7

| Beds n=14 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 317 | 243 | 189 |
| Average Hospital Stay in Days | 12.7 | 12.5 | 21 |
| Average Bed Occupancy % | 96%* | 90% | 8 |
| % Growth | 30% | 28.57% | -5.5% |
| Deaths | 2 | 4 | 1 |

* Clinicom data combined for gastroenterology and infectious diseases

- 7 new referrals per week.

- Telephonic referrals: 10 per week.
- Stewardship rounds: 2 per week.

HIV service:

- Total children followed up: 491
- New cases initiating and following at TBH: 52 children started (25 infants <12 months)
- Transfers out: 13
- Transfers in: 31

Ward G3 Oncology & Haematology

Staff: Profs M Kruger, Drs A van Zyl, R Uys, 3 Senior Registrars (Dr A Khanyamuhunga (completed October 2015) Dr V Netshituni, Dr E Madzhia (started 1 July), 2 Registrars

| Beds n=9 | 2015 | 2014 | 2013 |
|--------------------------------------|----------------|-----------------|----------------|
| New patients | 42 Haematology | 40 Haematology | 37 Haematology |
| | 73 Oncology | 56 Oncology | 46 Oncology |
| Admissions | 678 | 596 | 413 |
| Average Hospital Stay in Days | 4.9 | 5.25 | 3.9 |
| Average Bed Occupancy % | 93.8% | 74.3% | 50% |
| % Growth | 12% | 13.5% (**31.7%) | 0% |
| Deaths in G3 | 9 | 7 | 7 |
| G3 Day Patients (Haem/Oncology) | 1905 | 1421 | 1023 |
| Chemotherapy administrations | 1944 | | |
| Bone marrow aspirations and biopsies | 122 | 83 | |
| Intra-thecal procedures | 286 | 269 | |

**G3Ward data

Ward G3 Rheumatology & Immunology

Staff: Dr M Esser, Dr D Abraham (10 hrs per week), Registrar Shared with G3, Shared Medical Officer for G3

| Beds n=4 (shared with Nephrology) | 2015 | 2014 | 2013 |
|--|-------------|-------------|-------------|
| Admissions | 66 | 128 | 75 |
| Average Hospital Stay in days | 3 | 2 | 5.6 |
| Average bed occupancy % | 12% | 86% | 49.3% |
| Deaths | 0 | 0 | 0 |

Ward G3 Nephrology

Staff: Dr C du Buisson, Dr JL Shires – part-time, Registrar shared with Rheumatology&Immunology, Shared Intern for G3

| Beds n=4 | 2015 | 2014 | 2013 |
|---------------------------------|-------------|-------------|-------------|
| Admissions | 240 | 184 | 155 |
| Average Hospital Stay in days | 5 | 5 | 2.3 |
| Average bed occupancy % | 75% | 86% | 60% |
| % Growth | 31% | 26% | 23% |
| Deaths | 0 | 4 | 1 |
| Renal Biopsies* | 24 | 14 | 33 |
| Acute Dialysis** | 25 | 20 | 23 |
| Renal patients outside of G3*** | 282 | 286 | 302 |
| Referrals**** | 313 | 392 | 410 |

* Done in C4B Theatre under general anaesthesia, 4 biopsies where done in PICU

** All done in PICU

*** Most of our patients are not in our ward, due to acute infections and inborn neonates are cared for in neonatal wards, thus neonates diagnosed antenatally.

**** These are patients seen and only advise needed, not continuous care

Ward G3 & G10 Cardiology

Cross Platform Staff:

Tygerberg Hospital (TBH): Dr J Lawrenson, Dr B Fourie, 1 Senior Registrar (Dr L Swanson), 2 Registrars

Red Cross War Memorial Children's Hospital (RXH): 2 Consultants, 2 Senior Registrar

| Beds n=10 (G3=5, G10=5) | 2015 | 2014 | 2013 |
|--------------------------------|-------------|-------------|-------------|
| Admissions | 194 | 194 | 204 |
| Average Hospital Stay in Days | * | * | * |
| Average Bed Occupancy % | * | * | * |
| Inpatient Echocardiography | 854 | 732 | 700 |
| Inpatient Consultations | 925 | 857 | 1200 |
| Deaths | 2 | 0 | 1 |

* Clinicom data combined with nephrology and general paediatrics therefore not possible to calculate

Worcester Clinic: 114 patients

OUTPATIENT COMPLEX

Subspecialist Clinics

| | 2015 | 2014 | 2013 |
|--|--------------|--------------|--------------|
| Clinics | Total | Total | Total |
| Haematology | 311 | 262 | 298 |
| Immunology | 156 | 164 | 168 |
| Oncology | 376 | 344 | 334 |
| Pulmonology | 1015 | 1156 | 1354 |
| Gastroenterology | 605 | 726 | 744 |
| High-risk Babies | 2006 | 1973 | 1862 |
| Neurology & Developmental paediatrics | 2375 | 2301 | 2515 |
| Allergy | 583 | 693 | 666 |
| Premature Follow-up | 228 | 360 | 307 |
| Nephrology* | 1374 | 1345 | 1333 |
| Cardiology | 1064 | 953 | 916 |
| Bronchopulmonary Dysplasia | 3 | 21 | 19 |
| Diabetic | 670 | 633 | 620 |
| Endocrinology | 661 | 625 | 610 |
| Rheumatology | 351 | 283 | 337 |
| Infectious diseases | 983 | 1079 | 1184 |
| Genetics | 415 | 391 | 502 |
| Pharmacy prescriptions | 208 | 286 | 270 |
| Total | 13384 | 13595 | 14039 |

*Centre for Referral for Congenital Anomalies of the Kidney and Urinary Tract.

GENERAL SPECIALIST SERVICES

Total Patient Admissions 2015 (Clinicom data)

| GG Short Stay | G2 | G7 | G8 | J3 | Total |
|--------------------------|-----------|-----------|-----------|-----------|--------------|
| 5943 | 2067 | 1304 | 917 | 1007 | 11238 |

Bed Occupancy Rate 2015 (Clinicom data)

| GG Short Stay | G2 | G7 | G8 | J3 | Total |
|--------------------------|-----------|-----------|-----------|-----------|--------------|
| 81% | 105.8% | 82% | 85.4% | 114% | 94% |

Neonatology

Ward G2 Neonatal Unit – Babies born in TBH

Staff: 2 Consultants (on rotation), 1 Registrar, 3 Medical Officers, 1 Intern (if available)

| Beds n=27 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 2067 | 2182 | 2376 |
| Average Hospital Stay in Days | 5 | 4.6 | 4.7 |
| Average Bed Occupancy | 105.8% | 104% | 104% |
| % Growth | -5.3% | -9.2% | +13.8% |
| Deaths | 64 (3%) | 120 | 71 (2.9%) |

* Data from Clinicom

Ward J3 Neonatal Unit – Babies born in TBH

Staff: 1 Consultant (on rotation), 1 Registrar, 1 Medical Officer, 1 Intern
Ward opened April 2012

| Beds n=25 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 1007 | 951 | 918 |
| Average Hospital Stay in Days | 10 | 10 | 11 |
| Average Bed Occupancy | 114% | 104% | 108% |
| % Growth | 5.9% | 3.6% | n/a |
| Deaths | 2 | 0 | 2 (0.2%) |

Ward G8 Neonate & Kangaroo-mother Care – Step-down Facility

Staff: 1 Consultant (on rotation), 1 Registrar, 2 Interns

| Beds n=30 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 917 | 971 | 941 |
| Average Hospital Stay in Days | 10.8 | 10.3 | 9.9 |
| Average bed occupancy % | 85.4% | 89.75% | 83% |
| % Growth | -5.5% | 3.2% | 20% |
| Deaths | 4 | 2 | 0 |

*Data from Clinicom

1. Cranial ultrasound: 1500
2. Neonatal echocardiography
3. Cooling: 68

Short-stay G Ground: <48-hour Admissions

Staff: Prof S Schaaf, Drs E Malek, L Smit, A Redfern, 2 Registrars, (1 Emergency Medicine Registrar), 2 Medical Officers, 2 Interns

| Beds n=24 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 5 943 | 6 029 | 4 742 |
| Average Hospital Stay in Days | 1.0 | 1.0 | 1.3 |
| Average Bed Occupancy % | 81% | 85% | 87% |

| | | | |
|-------------------------------|------|-----|-----|
| % Growth | - 0% | +8% | -2% |
| Average Admissions per day | 16 | 17 | 13 |
| Deaths | 14 | 19 | 17 |
| HIV-related Mortality | 2 | 0 | 3 |
| HIV Exposed-related Mortality | 4 | 4 | 2 |

Ward G7 General Paediatrics

Staff: Dr H Finlayson, Prof S Kling, 1 Registrar, 2 Medical Officers, 2 Interns

| Beds n=25 | 2015 | 2014 | 2013 |
|-------------------------------|-------------|-------------|-------------|
| Admissions | 1232 | 1175 | 1267 |
| Average Hospital Stay in Days | *6.5 | 3.1 | 4.4 |
| Average Bed occupancy | *88.25% | 89.6% | 87.2% |
| Increase in Admissions | +5% | -7% | -11% |
| Deaths | 12(1%) | 7 (0.6%) | 9 (0.75%) |

*Clinicom data

General Paediatrics: Emergency & Clinics

| Clinics | 2015 | 2014 | 2013 |
|---|--|---------------|-----------------|
| OPD 8am-4pm: Emergency & Routine | 9766 (GG total) 2 790 OPD 6 976 Emergency | 9446 (GG) | 8626 (GG) |
| | 645 (Delft) | 462 (Delft) | 491 (Delft CHC) |
| Daily average seen | 39 | 26 | 24 |
| Annual OPD after hours: 4pm-8am & weekend – Emergency | 4892 | 5426 | 4765 |
| Daily average seen after hours (4pm-8am) | 13 | 15 | 13 |
| OPD after hours: 4pm-8am % | 34% | 36% | 36% |
| Total | 14 658 | 14 872 | 13 391 |

2015 Morbidity & Mortality

PPIP data from PPIP database 2015

Total births in TCH (TBH): n = 8019 (Stillbirths n = 11)

Perinatal Mortality Rate (PNMR) ($\geq 500\text{g}$) = 69.8

- Perinatal Mortality Rate (PNMR) ($\geq 1000\text{g}$) = 39.0
- Early Neonatal Death Rate (ENNDR) ($\geq 500\text{g}$) = 4.5
- Early Neonatal Death Rate (ENNDR) ($\geq 1000\text{g}$) = 1.8

Mortality of babies born in TCH (TBH) per birth weight category: n=71 (*Note: December 2015 not included in inborn mortality data)

| Birth Weight | % Mortality 2015 | % Mortality 2014 | % Mortality 2013 |
|---------------------|------------------|------------------|------------------|
| $\leq 1000\text{g}$ | 9.5 | 19.7 | 21.3 |
| 1001 to 1500g | 2.1 | 4.2 | 3.4 |
| 1501 to 1999g | 0.0 | 0.6 | 2.1 |
| 2000 to 2499g | 0.19 | 0.3 | 0.5 |
| $\geq 2500\text{g}$ | 0.14 | 0.18 | 0.1 |

Causes of death of babies born in TCH (TBH): n=71

| Cause of Death | % of Total 2015 | % of Total 2014 | % of Total 2013 |
|-----------------------------------|-----------------|-----------------|---------------------------|
| Prematurity-related Complications | 49.3 | 60 | 53.1 (Immaturity-related) |
| Infection-related | 16.9 | 15.4 | 13.1 |
| Peripartum Hypoxia | 16.9 | 3.1 | 11.5 |
| Congenital Anomalies | 9.9 | 16.9 | 14.6 |
| Other | 7 | 4.6 | 7.7 |

% Deaths of babies referred to TCH per weight category

| Birth Weight* | %Mortality 2015 (n=56) | %Mortality 2014 (n=48) | % Mortality 2013 (n = 46) |
|---------------------|------------------------|------------------------|---------------------------|
| $< 1000\text{g}$ | 23.2 | 10.4 | 28.2 |
| 1000 to 1499g | 28.6 | 20.8 | 30.4 |
| 1500 to 1999g | 5.3 | 8.3 | 6.5 |
| 2000 to 2499 | 8.9 | 20.8 | 6.5 |
| $\geq 2500\text{g}$ | 30.4 | 31.2 | 21.7 |

*Weight categories as a percentage of total deaths (outborn)

Outborn babies mortality according to referral area of origin

| Geographic Service Area | 2015 (n=56) | 2014 (n=48) |
|------------------------------------|-------------|-------------|
| Metro East | 30 | 20 |
| Winelands (Paarl area) | 22 | 16 |
| Overberg (Worcester drainage area) | 4 | 17 |
| Unknown | 0 | 5 |

Geographic distribution of the NICU admissions and death of babies born outside and referred to TCH

| Place of Origin (Hospital) | Number deceased 2015 | Number deceased 2014 |
|----------------------------|-------------------------|-------------------------|
| Paarl | 12 | 11 |
| Helderberg | 6 | 8 |
| Karl Bremer | 6 | 6 |
| Worcester | 2 | 5 |
| Hermanus | 0 | 2 |
| Khayelitsha | 1 | 1 |
| Swartland | 2 | 0 |
| Caledon | 0 | 0 |
| Ander/Other | | 15 |

CHIP MORTALITY for all sub-specialist paediatric wards (2015)

Audited deaths CHIP MORTALITY for all paediatric wards (2015)

| CHIP Mortality | Total Admissions/ Tally | % Total | Deaths | Hosp Mortality Rate | Male | Female |
|---------------------|-------------------------------|---------|------------|---------------------------|-----------|-----------|
| *0-28 days | 394 | 4.7% | 9 | 1.3 | 6 | 3 |
| 28 days – 1 year | 2884 | 34.4% | 42 | 1.2 | 25 | 17 |
| 1-5 year | 3160 | 37.7% | 36 | 0.8 | 21 | 16 |
| 5-13 years | 1655 | 19.7% | 17 | 0.7 | 11 | 6 |
| 13-18 years | 273 | 3.2% | 1 | 2.9 | 0 | 1 |
| Un Known | | | 1 | | 0 | 1 |
| Total | 8366 | | 106 | | 63 | 44 |

*Please note: Excluding neonatal deaths reported under the PPIP section

Referral

| Referring facility | Number | % |
|-------------------------------|-----------|-------------|
| Not referred/not noted | 41 | 38.6 |
| Community clinics | | |
| Delft CHC | 5 | |
| Kraaifontein CHC | 3 | |
| Delikile Khosa | 1 | |
| Site B CHC | 1 | |
| Mfuleni CHC | 1 | |
| Wesbank CHC | 1 | |
| St Josephs Home | 1 | |
| Total | 13 | 12.2 |
| Level 1 Metro | | |
| Khayelitsha Hospital | 15 | |
| Helderberg Hospital | 7 | |
| Karl Bremer Hospital | 7 | |
| Eerste River Hospital | 8 | |
| Total | 37 | 34.9 |
| Level 1 Outside Metro | | |
| Hermanus Hospital | 1 | |
| Stellenbosch Hospital | 2 | |
| Swartland Hospital | 2 | |
| Ceres Hospital | 1 | |
| Clanwillian | 1 | |
| Radie Kotze | 1 | |
| Total | 10 | 9.4 |
| Referral from Level 2 | | |
| Paarl Hospital | 4 | |
| Worcester Hospital | 3 | |
| Total | | 6.6 |

| Main Causes of Death in Children* | Number | % |
|--|--------|------|
| Septicaemia, possible serious bacterial infection | 23 | 21.6 |
| Hospital infection | 4 | 3.7 |
| Circulatory condition/undefined | 16 | 15.0 |
| CNS conditions | 9 | 8.4 |
| Haematology/Oncology | 9 | 8.4 |
| Acute Diarrhoea | 6 | 6 |
| Chronic & severe acute liver disease | 3 | 3 |
| Digestive condition | 4 | 4 |
| ARI | 13 | 12.2 |
| Respiratory condition not ARI | 25 | 23.5 |
| Cardiac congenital and acquired | 10 | 9.4 |
| Tuberculosis meningitis/Disseminated/extra pulmonary | 2 | 2 |
| Non accidental Injury | 2 | 2 |

*Please note: Other co-morbidities not reflected.

| Length of Stay | Number | % |
|-----------------------|---------------|------------|
| Noted DOA | 5 | 4.7 |
| <24 hours | 24 | 22.6 |
| 1-3 days | 31 | 29.2 |
| 4-7 days | 12 | 11.3 |
| 8-14 days | 13 | 12.3 |
| >14 days | 21 | 19.8 |

| HIV - mortality | Number | % |
|--------------------------|---------------|----------|
| Infected | 18 | 16.9 |
| Negative | 57 | 53.7 |
| Exposed status not known | 13 | 12.2 |
| Unknown | 18 | 16.9 |

Mortality according to Weight Category

| Weight Category | Number | % |
|---------------------------------------|---------------|----------|
| Over weight | 1 | |
| Normal | 49 | 46.2 |
| UWFA | 33 | 33.9 |
| Severe acute malnutrition with oedema | 7 | 6.6 |
| Severe chronic malnutrition | 10 | 9.4 |
| Unknown | 6 | 5.6 |

Mortality per Ward Audited deaths only

| Ward | Number | % |
|--|---------------|----------|
| Paediatric Intensive Care Unit/High Care | 56 | 52.8% |
| Acute Care | 13 | 12.2% |
| General Paediatrics | 13 | 12.2% |
| Gastroenterology (G10) | 10 | 9.4% |
| Neurology (G9) | 3 | 2.8% |
| Oncology (G3) | 3 | 2.8% |
| Cardiology (G10) | 3 | 2.8% |
| Infectious Diseases (G10) | 2 | 1.8% |
| Respiratory (G9) | 1 | 0.9% |
| Endocrinology (G9) | 0 | 0% |
| Endocrinology (G9) | 0 | 0% |
| Nephrology (G3) | 0 | 0% |
| Total | 106 | |

Infrastructure Development

Tygerberg Children's Hospital Trust Contribution to Infrastructure

| DATE | SUPPLIER | EQUIPMENT | AMOUNT |
|--------------|------------------------------|---------------------------|---------------------|
| 31/03/2015 | Phillips Medical Systems | Phillips X50 POC System | R 336 300.00 |
| 28/04/2015 | LBA Productions | Name badges for doctors | R 882.00 |
| 19/05/2015 | Southern Right Blinds | Blinds for C3A (DEPOSIT) | R 5 247.50 |
| 22/05/2015 | Baseline scales | Scales for Oncology | R 14 238.60 |
| 26/06/2015 | Southern Right Blinds | Blinds for C23A (Balance) | R 5 247.50 |
| 17/08/2015 | Electrical Industries | Fridge Purchased for G2 | R 21 204.00 |
| 28/08/2015 | Medicare | Scales for Oncology | R 2 833.14 |
| 09/12/2015 | Mantella IT | Network points at C3A | R 3873.72 |
| 18/12/2015 | Exclusive business furniture | Furniture upgrade at G3 | R2501.84 |
| TOTAL | | | R 392 328.30 |

Part 2

Community Outreach Programmes/Community Service and Interaction & Partnerships

Expert Members

Prof Mariana Kruger

- SIOP (International Society of Paediatric Oncology) Continental President for Africa
- Member of an Expert Committee of the Medicines Control Council: Clinical Committee
- Board member of the Medical and Dental Professions Board, HPCSA
- Chairperson of the Curriculum Subcommittee of the Medical and Dental Professions Board, HPCSA
- Member of the Executive Committee of the South African Children's Cancer Study Group (SACCSG)
- Member of the Education and Registration Committee, HPCSA
- Member Council of College of Paediatricians 2014-2017
- Member of the Provincial Clinical Governance Committee (PCGC)
- Member of the Senate Research Ethics Committee of Stellenbosch University
- Member of the Senate Research Committee of Stellenbosch University
- Member of the Research Ethics Executive Committee of the Faculty of Medicine and Health Sciences, Stellenbosch University
- Member of the Subcommittee C of the Research Committee, Faculty of Medicine and Health Sciences

Prof Sharon Kling

- Colleges of Medicine of South Africa (CMSA)
 - President, Council of College of Paediatricians 2014-2017
 - Senator, CMSA, for the triennium 2011 - 2014 and 2014 - 2017
 - Member of Financial and General Purposes Committee 2011 – 2014 and 2014-2017
 - Member of Management Committee, Financial and General Purposes Committee, 2013 – date
 - Ethics accreditor, CPD Committee, Faculty of Health Sciences.
 - Vice-chair, Undergraduate Research Ethics Committee (since 2015)
 - Member, Clinical Ethics Committee Tygerberg Hospital (2002 – 2004 and 2009 to current).
- Allergy Society of South Africa (ALLSA)
 - Member of Executive Committee since 1998
 - Chairman, Research Subcommittee (2011 to date)

Prof Anneke Hesseling

- Awarded the NRF SARChi Chair in Paediatric Tuberculosis on 02 September 2015.

Prof Cotton

- Member of the Clinical Guideline Development Group (GDG) to support the update of the World Health Organization Consolidated Guidelines on the use of antiretroviral drugs for treating and preventing HIV infection
- WHO HIV/TB Task Force Advisor

Prof Beyers

- National Department of Health
- POPART Zambia & RSA

Prof HS Schaaf

- Board of Directors and Chairperson of Adult and Child Lung Health section, The Union (International Union Against Tuberculosis and Lung Disease)
- Expert on ATS/CDC committee for new TB guidelines
- MDR-TB Review Board Western Cape
- Member of the Subcommittee C of the Research Committee, Faculty of Medicine and Health Sciences

Prof E Zöllner

- Safety representative on Health and Safety Committee, Faculty of Medicine and Health Sciences

Dr S Holgate

- Health Research Ethics Committee, Faculty of Medicine and Health Sciences

Outreach

International

- Proff M Kruger & PB Hesselning – Childhood cancer Cameroon

Regional and District

- Worcester – Prof M Kruger, Prof R van Toorn, Dr R Solomons, J Lawrenson, C du Buisson
- Paarl – Prof P Goussard, Dr H Rabie, HIV outreach, Dr Frigati
- Delft - Drs L Smit, R Gioio (HIV outreach), Neonatology consultants
- Helderberg – Dr T Wessels; Perinatal – Dr H Hassan Dr Frigati, (HIV outreach), Neonatology consultants
- Khayalitsha district hospital – Dr Rabie; High Risk Clinic - Neonatology consultants
- Eersterivier – Drs H Finlayson, M du Preez (HIV outreach), Neonatology consultants
- Ikwezi clinic HIV outreach
- Bishop Lavis clinic, HIV outreach
- Grabouw CHC HIV outreach
- Kraaifontein CHC HIV outreach
- City of Cape Town - DTTC
- DTTC - skills development in the community
- Karl Bremer Hospital, Haemophilia, Childhood Cancer - Dr A van Zyl; Perinatal – Dr H Hassan
- George – Dr B Fourie. Dr J Lawrenson
- East London – Dr J Lawrenson
- Brooklyn Chest Hospital – Prof HS Schaaf, Dr H Finlayson

Media Exposure

TV/Radio Interviews:

Dr B Fourie

- RSG – 20 May 2015

Prof R van Toorn

- eTV News – 7 July 2015
- The Breakfast Show - Kieno Kammies - Cape Talk -6 Jul 2015

Prof S Kling

- RSG 11 March 2015 and 25 March 2015

Articles:

Name of publication: Cape Argus

Name of article: Thalidomide saving kids (Prof R van Toorn)

Date: 29 June 2015

Name of publication: SA Breaking News

Name of article: Stellenbosch doctor makes TB meningitis breakthrough (Prof R van Toorn)

Date: 1 July 2015

Name of publication: IOL News

Name of article: Dreaded drug saves TB kids (Prof R van Toorn and Dr R Solomons)

Date: 5 July 2015

Name of publication: Weekend Argus

Name of article: Dread drug saves TB kids (Prof R van Toorn and Dr R Solomons)

Date: 5 July 2015

Name of publication: Huisgenoot

Name of article: Geknak deur 'n virus (Dr R Solomons)

Date: 16 July 2015

Name of publication: IOL Lifestyle

Name of article: Moms help prem babies by reading (Dr M du Preez)

Date: 27 August 2015

Name of publication: Health24

Name of article: Tygerberg: reading encourages bonding between mother and baby (Dr M du Preez)

Date: 27 August 2015

Name of publication: Matieland

Name of article: Hope for children with TB meningitis (Prof R van Toorn)

Date: November 2015

Name of publication: Bolander

Name of article: Tireless academics praised for TB research (Proff N Beyers & RP Gie)

Date: 16 November 2015

Name of publication: VIVUS

Name of article: Progress made in the fight against childhood TB (Day of Academic Excellence in honour of Proff N Beyers & RP Gie)

Name of article: Researchers recognised for their remarkable efforts (Prof N Beyers)

Name of article: Anneke Hesseling receives SARChI Chair in Paediatric TB (Prof AC Hesseling)

Name of article: SU pays tribute to two stalwarts in the fight against TB (Proff N Beyers & RP Gie)

Name of article: Reading project inspires change at Tygerberg Children's Hospital (Dr M du Preez)

Date: November 2015

Name of publication: e-Matieland

Name of article: Excellence in TB research rewarded (Dr A Bekker)

Name of article: Fighting TB one study at a time (Prof HS Schaaf)

Name of article: A new lease on life for children with TB meningitis (Prof R van Toorn)

Name of article: Young Turks (Dr S Innes)

Name of article: Pioneer achieves hat trick with diagnosis (Prof P Goussard)

Date: Summer 2015

Name of publication: AllAfrica.com

Name of article: South Africa: Hope for Pregnant Women and Babies with TB (The Desmond Tutu TB Centre)

Date: 8 December 2015

Part 3

Teaching & Training

Education-related Activities

Postgraduate Students

Successful PhD Candidates

- **Prof UD Feucht:** Title: Improving the care of HIV-infected and –affected children programme in South Africa. Supervisors: Proff M Kruger, B Forsythe
- **Prof P Goussard:** Title: Bronchoscopic assessment and management of children presenting with clinical significant airway obstruction due to tuberculosis. Supervisor: Proff RP Gie
- **Dr AM Mandalakas:** Title: Development of a novel conceptual framework of childhood tuberculosis within which to study the impact of an IPT program for childhood TB prevention. Supervisors: Proff AC Hesseling, RP Gie

- **Dr RS Solomons:** Title: Improving early diagnosis of tuberculous meningitis in children. Supervisors: Proff JF Schoeman, AM van Furth
- **Dr S Thee:** Title: Protocol Synopsis: Pharmacokinetics and safety of first- and second-line antituberculosis drugs in children. Supervisors: Proff HS Schaaf, AC Hesselning
- **Prof R Van Toorn:** Title: Childhood tuberculous meningitis: challenging current management strategies. Supervisors: Proff JF Schoeman, HS Schaaf

University of British Columbia (UBC), Vancouver, Canada:

- **Dr Amy Slogrove:** Title: South African HIV exposed uninfected infants: does HIV exposure without HIV infection contribute to increased infectious morbidity? Supervisors: Prof MF Cotton, Drs J Bettinger, Joel Singer

Enrolled PhD students

- **Dr A Bekker:** Title: Prevention And Treatment Of Perinatal And Infant Tuberculosis In The HIV Era. Supervisors: Proff AC Hesselning, HS Schaaf
- **Dr P Bock :** Title: Impact of a Universal Test and Treat strategy on clinical outcomes amongst HIV - infected adults in South Africa: Supervisor: Prof N Beyers, Dr S Fidler
- **Dr A Dramowski:** Title: Determinants Of Healthcare-Associated Infections Among Hospitalised Children. Supervisors: Proff MF Cotton, A Whitelaw
- **Mr R Dunbar:** Title: How can virtual implementation modelling inform the scale-up of new molecular diagnostic tools for tuberculosis? Supervisor: Prof N Beyers, Mr I Langley
- **Dr GTJ Kali:** Title: A comparative study of neuroprotective strategies in neonatal hypoxic ischaemic encephalopathy. Supervisors: Prof J Smith, M Rutherford
- **Dr B Laughton:** Title: The effects of early versus delayed antiretroviral treatment on the short and long term neurodevelopmental outcome of children who are HIV positive. Supervisor: Prof MF Cotton, Prof M Kruger
- **Dr F Marx:** Title: Mathematical modelling to project the impact of interventions targeted to previously treated individuals on the trajectory of the tuberculosis epidemic in high tuberculosis prevalence settings Supervisors: Prof N Beyers, Prof T Cohen
- **Dr S-A Meehan:** Title: The contribution of a community based HIV counselling and testing (HCT) initiative in working towards increasing access to HIV counselling and testing in Cape Town, South Africa. Supervisors: Proff N Beyers, R Burger
- **Dr P Naidoo:** Title: Evaluating the Impact of an Xpert® MTB/RIF- based TB Diagnostic Algorithm in a Routine Operational Setting in Cape Town. Supervisors: Prof N Beyers, Dr C Lombard
- **Dr H Rabie:** Title: Pharmacokinetics and therapeutic outcomes of children with tuberculosis/HIV co-infection treated with lopinavir/ritonavir and a rifampicin-containing anti-tuberculosis regimen. Supervisors: Proff MF Cotton, HS Schaaf, RP Gie

- **Dr P Springer:** Neurodevelopmental Outcome of the HIV exposed but uninfected Infant and evaluation of a developmental screening tool. Supervisors: Prof Mariana Kruger, Prof Christopher Molteno
- **Dr SS van Wyk:** Title: Development and validation of a prediction model to ESTIMATE an adult's probability of having active pulmonary tuberculosis in a high TB- and HIV burden setting. Supervisors: Proff H-H Lin, Dr M Claassens
- **Dr E Walters:** Title: Novel diagnostic strategies and markers of treatment response for paediatric pulmonary tuberculosis. Supervisors: Proff AC Hesselning, RP Gie

Successful MMed(Paed) Candidates

Dr PAM Brink: Title: Comparison of the WHO and CDC paediatric HIV classifications system to predict mortality in HIV-infected children on and not on antiretroviral therapy. Supervisor: Prof MF Cotton

Dr M Grantham: Title: The effectiveness of IMCI in the diagnosis of childhood TBM. Supervisor: Dr R Solomons

Dr Z Kajee: Title: The impact of a diabetes management team on the metabolic control and prevalence of complications in paediatric patients with Type I diabetes mellitus'. Supervisor: Prof EWA Zöllner

Dr OR Karangwa: Title: A retrospective review of the outcome of children presenting to TCH with biliary atresia. Supervisor: Dr ED Nel

Dr Y Kooblal: Title: Unlicensed and off label drug use in the sub speciality wards. Supervisor: Prof M Kruger

Dr SN Maclou: Title: Hypophosphataemia in Kwashiorkor. Supervisor: Dr ED Nel

Dr M Satardien: Title: The value of head computed tomography (CT) in children presenting with focal seizures to a paediatric ambulatory unit in a resource poor setting. Supervisor: Dr L Smit, Prof R van Toorn

Dr S Ströbele: Title: Severity of pulmonary tuberculosis in infants less than three months. Supervisor: Prof HS Schaaf

Dr TE van der Westhuizen: Title: To determine the minim prevalence of congenital rubella syndrome in the public sector in the WC, to determine the morbidity and follow-up offered, as well as the need for inclusion of the rubella vaccine in the immunization schedule. Supervisor: Prof MF Cotton

Dr Y Visser: Title: Nephroblastoma - A 25-year review of a South African unit. Supervisor: Prof D Stefan

Colleges of Medicine of South Africa (CMSA)

- **Cert Neonatology (SA)**
Dr A Maalim (Kenya)
- **Cert Medical Oncology (SA) Paed**
Dr A Kanyamuhunga (Rwanda)

- **CMSA FC Paed Part II**

Drs Y Kooblal, Z Myeko, L-L Green, C Geldenhuys, M Satardien

- **CMSA FC Paed Part I**

Drs UC Okwuosa, B Wentzel, P Ramsunder, L Greybe, J Lishman, F Mpisane

- **DCH (SA)**

Dr L Greybe

Undergraduate Students

98% pass rate (2014 = 96%)

Education-related Activities

- The Education Committees of the Department comprised as follows:
 - Undergraduate: Prof S Kling (Chairperson)
 - MBChB II: Drs E Malek, I Appel, R Uys
 - Early rotation: Drs CJ du Buisson (Chairperson), L Frigati, H Hassan, E Zöllner
 - Middle rotation: Drs A Redfern (Chair), H Finlayson, B Fourie, NM Parker
 - SI: Dr L Smit (Chairperson)
 - Remedial: Drs D Abraham, M Morkel
 - Elective students: Dr H Finlayson, Dr I Appel, Prof M Kruger
 - Postgraduate: Drs ED Nel (chairperson), Dr G Kali, Prof M Kruger, Dr H Rabie, Prof P Goussard, Prof R van Toorn, Prof HS Schaaf, Prof RP Gie
 - PhD: Profs M Kruger (Chairperson), N Beyers, MF Cotton, RP Gie, AC Hesselning, HS Schaaf
- All consultants are involved with under- and postgraduate teaching on a daily basis. Additional education activities included:
- External examiners at universities in South Africa:
 - Undergraduate:
 - Dr L Smit, University of KwaZulu-Natal
 - Drs M Morkel & M du Preez, University of Pretoria
- Senior registrars in training:
 - Neonatology: Dr Z Kajee and A Maalim (Supernumerary from Kenya)
 - Paediatric Oncology: Drs V Netshituni, El Madzia (supernumerary from Gauteng Department of Health), F Tchintseme Kouya (Supernumerary from Cameroon), A Kanyamuhunga (Supernumerary from Rwanda)
 - Paediatric Infectious Diseases: Dr B Makongwana (Supernumerary from Eastern Cape)
 - Paediatric Cardiology: Dr L Swanson
 - Developmental Paediatric: Dr A Thomas, with Life Healthcare Scholarship
 - Paediatric Rheumatology: Dr Abraham
 - Paediatric Endocrinology: Dr M Grantham

- Paediatric Gastroenterology: Dr JM Ikobah, sponsored by a Nestle Nutrition Institute Fellowship endorsed by the European Society of Paediatric Gastroenterology
- Colleges of Medicine of South Africa (CMSA):
 - Convenors (C)/Moderator (M)/External Examiners (EE):
 - Cert Infectious Diseases: Prof MF Cotton (C), Prof HS Schaaf (M)
 - Cert Cardiology (Paed): Dr J Lawrenson (EE)
 - Cert Medical Oncology (Paed): Prof M Kruger (EE)
 - Cert Developmental Paediatrics: Dr P Springer (C), Dr B Laughton (M)
 - Cert Paediatric Gastroenterology: Dr ED Nel (C), Prof S Kling (M)
 - Cert Paediatric Neurology: Prof R van Toorn (EE)
 - Cert Allergology (Paed) SA: Prof S Kling (EE)
 - FC Paed (SA) Part II: Dr ED Nel (C), Prof M Kruger, Dr A Dramowski, Prof S Kling (EE)
 - DCH (SA): Drs L Smit, H Rabie, GTJ Kali, H Finlayson, A Madide (EE)
 - Dip HIV Medicine: Dr H Rabie
- Lectures at courses
 - Dr N Parker: Paediatric BASIC (Basic Assessment and Support in Intensive Care) Course Instructor: 1-2 October 2015 at Red Cross Children's War Memorial Hospital
 - Dr P Springer: Motor disorders in Autism Spectrum disorder at Kinderkinetics course, Sports Science Dept, Stellenbosch University, October 2015
- South African Research Ethics Training Initiative (SARETI) UKZN, funded by Fogarty International Fogarty International Center (FIC) of the National Institutes of Health (NIH), grant number 6R25TW001599-13: Prof M Kruger (Co-principal Director)

Courses Attended

| Course attendance for staff: (Consultants)Paediatric Department 2015 | | | | | |
|---|---|--|--|-----------------------|--|
| NAME | COURSES ATTENDED | DATES | TYPE OF TRAINING | LEVEL | PROVIDER |
| Abraham DR | 1) Pediatric Rheumatology Refresher course | 10/02/15 - 13/02/15 | Course | Advanced | UCT |
| | 2) Ultrasound workshop | 12/03/15 | Skills workshop | Advanced | South African Rheumatism and Arthritis association in conjunction with Pfeizer |
| | 3) SARAA congress | 12/03/15-14/03/15 | Congress | Advanced | South African Rheumatism and arthritis association in conjunction with Pfeizer |
| | 4) SARAA Rheuma Meetings | 21/04/15 09/06/15 01/09/15 20/10/15 | Clinical meetings on all the mentioned dates | | South African Rheumatism and Arthritis association in conjunction with Pfeizer. |
| Appel,I | 1. African Doctoral Academy Winterschool 2015 | 29 Jun - 10 Jul 2015 | Workshop | Advanced | SU |
| | 2. Advanced Paediatric Life Support Instructor course | 6-7 Nov 2015 | Course | Advanced | Red Cross Children's Hospital |
| Bekker,A | 1. MS Excel 2010 Level 1 | 1. 05 May 2015 | 1. Course | 1. Level 1 | 1. CTU Training Solutions |
| | 2. MS Excel 2010 Level 2 | 2. 27 Jul 2015 | 2. Course | 2. Level 2 | 2. CTU Training Solutions |
| | 3. Continuing Professional Development USANA Conference | 3. 18 - 20 September 2015 | 3. Conference | 3. Level 1 | 3. The United South African Neonatal Association |
| | 4. IXth Internasiotal Childhood TB Training Course 2015 | 4. 28 Sept - 02Oct 2015 | 4. Course | 4. Level 2(Presenter) | 4. Demond Tutu Centre / US |
| | 5. Academic Day of Excellence | 5. 30 Oct 2015 | 5. Teaching | 5. Level 1 | 5. US |
| Du Preez,J | Powerpoint Pesentation Workshop | 06 August 2015 | workshop | level 2 | Language Centre SU |
| Hassan,H | 1. Ultrasound and ECG Workshop | 1. 21 Jan 2015 | 1. Workshop | 1. Advanced | 1. SU |
| | 2. Investigator Training Program / GCP | 2. 12 - 13 Mar 2015 | 2. Workshop | 2. Advanced | 2. Pfizer Laboratories |
| | 3. USANA Conference | 3. 18 - 20 Sept 2015 | 3. Conference | 3. Advanced | 3. The United South African Neonatal Association (USANA) |
| | 4. SA KMC Conference | 4. 18 - 20 Nov 2015 | 4. Conference | 4. Advanced | 4. SA KMC |
| Kajee,Z | 1. Ultrasound and ECG Workshop | 1. 21 Jan 2015 | 1. Workshop | 1. Advanced | 1. SU |
| | 2. SEMSDA Congress (Bloemfontein) | 2. Apr | 2. Conference | 2. N/A | 2. SEMSDA |
| | 3. ISPAD + APEG Conference (Brisbane Australia) | 3. Oct | 3. Conference | 3. N/A | 3. ISPAD + APEG |
| | 4. Here be Lungs 4th Annual Conference | 4. 19-20 March | 4. Conference | 4. Advanced | 4. The Divisions of pulmonology & neonatology of the Tygerberg Children's Hospital |
| | | 5. 18 Nov | 5. Workshop | 5. Advanced | 5. SU |

| | | | | | |
|-----------------------|--|--|---|---|---|
| | 5. Neonatal Cooling Workshop | | | | |
| Kali,G | 1. Ultrasound and ECG Workshop 2. USANA Conference - Durban 3. Neonatal Cooling Workshop | 1. 12 - 13 Mar 2. 18 - 20 Sept 3. 18 Nov | 1. Workshop 2. Conference 3. Workshop | 1. Advanced 2. Advanced 3. Advanced | 1. Pfizer Laboratories 2. The United South African Neonatal Association (USANA) 3. SU |
| Kanyamahunga,A | 1. Investigator Training Programme / GCP Course 2. SIOP 2015 : Fellow Educational Workshop | 1. 12 - 13 Mar 2015 2. 5 - 7 Oct 2015 | 1. Workshop 2. Workshop | 1. Advanced 2. Advanced | 1. Pfizer Laboratories 2. SIOP Conference, Cape Town |
| Kling,S | 1. ALLSA Congress | 1. 04 - 06 Sept | 1. conference | 1. N/A | 1. ALLSA |
| Lloyd,L | African Doctoral Academy Winterschool 2015 | 29 Jun - 10 Jul 2015 | workshop | advanced | SU |
| Maalim,A | 1. Investigator Training Programme / GCP Course | 1. 12 - 13 Mar 2015 | 1. Workshop | 1. Advances | 1. Pfizer Laboratories |
| Makongwana,B | 1. Investigator Training Programme / GCP Course | 1. 12 - 13 Mar 2015 | 1. Workshop | 1. Advances | 1. Pfizer Laboratories |
| Netshituni,V | 1. Investigator Training Programme / GCP Course | 1. 12 - 13 Mar 2015 | 1. Workshop | 1. Advances | 1. Pfizer Laboratories |
| Parker,N | 1. Investigator Training Programme / GCP Course | 1. 12 - 13 Mar 2015 | 1. Workshop | 1. Advances | 1. Pfizer Laboratories |
| Rabie,H | Stata Course | On Line | | | STATA |
| Redfern,A | 1. Investigator Training Programme / GCP Course | 1. 12 - 13 Mar 2015 | 1. Workshop | 1. Advances | 1. Pfizer Laboratories |
| Schaaf, HS | 1. 19 Annual congress of North-American Region of The International Union Against Tuberculosis and Lung Disease 2. Conference on Preventive Treatment for Multidrug-Resistant Contacts 3. 8th International Clinicians' Course for TB/HIV in South Africa 4. 5 th Conference of the Union Asia Pacific Region 5. 9 th International Child TB Training Course 6. 6 th FIDSSA Congress 2015: Emerging Threats 7. The 46 th Union World Conference on Lung Health | 26-28 February 2015 2. 12-13 April 2015 3. 13-16 August 2015 4. 30 Aug-2 Sep 2015 5. 29 Sep-2 Oct 2015 6. 5-8 Nov 2015 7. 2-6 Dec 2015 | 1. Conference 2. Workshop 3. Course 4. Post grad course and conference 5. Course 6. Conference 7. PGC and Workshop and Conference | 1. Advanced 2. Advanced 3. Advanced 4. Advanced 5. Advanced 6. Advanced 7. Advanced | The Union, North America Harvard University and Sentinel Project 3. University of Pretoria 4. The Union Asia Pacific region 5. Stellenbosch University 6. FIDSSA 7. The Union |

| | | | | | |
|-------------------|---|--|--|---|--|
| Shires,J | 1. International renal Conference 2. Paediatric refresher course | 1.13 – 16 March 2. 13 Feb | 1. Conference 2. Course | 1. N/A 2. N/A | 1.CTICC 2. UCT |
| Smit,L | African Doctoral Academy Winterschool 2015 | 29 Jun - 10 Jul 2015 | workshop | advanced | SU |
| Springer,P | 1. African Doctoral Academy "Research Methodology" 2. PANDA Genetics Workshop 3. Neonatal Cooling workshop | 1. 11 -22 Jan 2015 2. April 2015 3. 18 Nov 2015 | 1. Workshop 2. Workshop 3. Workshop | 1. Advanced 2. Advanced 3. Advanced | 1. SU 2.SU 3. SU |
| Thomas,A | 1. Investigator Training Programme / GCP Course 2. PANDA conference on Neurogenetics 3. ADOS Course 4. Refwork course 5. FASD Course 6. Child Psychiatry Academic Programme | 1. 12 - 13 Mar 2015 2. April 3. June 4. Aug 5. Sept 6. Oct | 1. Workshop 2. Conference 3. Course 4. COURSE 5. Course 6. Course | 1. Advances 2. N/A 3. N/A 4. N/A 5. N/A 6. N/A | 1. Pfizer Laboratories 2. SU 3. Hogrefe 4. ProQuest 5. Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Division of Birth Defects and Developmental Disabilities 6. Stanford Medicine (Child and Adolescent Psychiatry) |
| Van Zyl,A | 1. African Doctoral Academy Winterschool 2015 2. World Federation of Haemophilia Africa Summit 3. Medical and Scientific Council of South African Haemophilia Foundation: Annual meeting and educational symposium 4. SIOP 2015: Fellow Educational Workshop : Invited Speaker 5. SIOP 2015 | 1. 29 Jun - 10 Jul 2015 2. 24- 25 Feb 2015 3. 5 - 7 Nov 2015 4. 5 - 7 Oct 2015 5. 8 - 11 Oct | 1. Workshop 2. Conference 3. Symposium 4. Conference 5. Conference | 1. Advanced 2. Advanced 3. Advanced 4. Advanced 5. Advanced | 1. SU 2. South African Haemophilia Foundation 3. Medical and Scientific Council of South African Haemophilia Foundation 4. Paediatric Oncology Congress SIOP 2015, Cape Town 5. Paediatric Oncology Congress SIOP 2015, Cape Town |
| Zollner,E | 1. Investigator Training Programme / GCP Course African Doctoral Academy Winterschool 201 | 1. 12 - 13 Mar 2015 29 Jun - 10 Jul 2015 | 1. Workshop 2. workshop | 1. Advanced 2. Advanced | 1. Pfizer Laboratories 2. SU |

| Courses - 2015(Registrars) | | | | | |
|----------------------------|--|--------|------------------|--------|----------|
| NAME | COURSES ATTENDED | DATES | TYPE OF TRAINING | LEVEL | PROVIDER |
| Smit,C | 1. High Frequency Oscillatory Ventilation course | Jan-00 | 1. Course | 1. N/A | 1 |

| | | | | | |
|-----------|--|--------------------------------------|---|----------------------------|---|
| Van Dyk,L | 1. Registrars as Teachers 2. APLS Conference 3. USANA Conference | 1. Feb 2. Sept 3. 18 - 20 sept | 1. Teaching 2. Conference 3. Conference | 1. N/A 2. N/A 3. N/A | 1. SU 2. APLS 3. he United South African Neonatal Association |
| Carkeek,K | 1. AEEG workshop 2. Neonatal Cooling workshop | 1. 18 Nov 2.18 Nov | 1. Workshop 2. Workshop | 1. Advanced 2. Advanced | 1. SU 2. SU |
| Hough,W | Ultrasound and ECG Workshop | 21 January 2015 | Workshop | advanced | SU |
| Coetzee,A | Ultrasound and ECG Workshop | 21 January 2015 | Workshop | advanced | SU |
| Todd,B | Powerpoint Presentation Workshop | 06 August 2015 | workshop | Level 2 | Language Centre SU |
| Jacobs,C | Ultrasound and ECG Workshop | 21 January 2015 | Workshop | advanced | SU |
| Hough,W | PALS Conference | | | | |

| Courses - 2015(Medical Officers) | | | | | |
|----------------------------------|------------------|-----------------|------------------|---------|---|
| NAME | COURSES ATTENDED | DATES | TYPE OF TRAINING | LEVEL | PROVIDER |
| Van Niekerk,M | USANA Conference | 18-20 Sept 2015 | Conference | Advance | The United South African Neonatal Association |

| Courses - 2015(South 2 South) | | | | | |
|-------------------------------|--|---|---|--|--|
| Consultant/Student | COURSES ATTENDED | Dates | TYPE OF TRAINING | Level/Module | PROVIDER |
| Carin du Toit | 1. Project Management (5 days) 2. Module 2.1: Systems Thinking 'Connecting the bigger picture' (2 days) 3. Managing Day to Day / Problem Employees (1 day) 4. Module 1.7, Part 3: Building a Team (2 days) 5. USAID: New Rules & Regulations Update (1 day) 6. Towards Financial Sustainability (1 day) 7. Cutting Edge Asset Management (3 days) 8. Performance Management | 1. 16 - 18Feb 2015 2. 25 May 2015 3. 17 Jul 2015 4. 05 Aug 2015 5. 10 Nov 2015 6. 12 Nov 2015 7. 18 Nov 2015 8.15-16 July 2015 | 1. Workshop 2. Course 3. Workshop 4. Course 5. Course 6. Workshop 7. Seminar 8. Workshop | 1. N/A 2. N/A 3. N/A 4. N/A 5. Level 2 6. N/A 7. NQF Level 5 8. N/A | 1. ANTS Project Management Training & Development 2. CHEC-CLE (Leadership Options) 3. Labour Guide 4. CHEC-CLE 5. InsideNGO 6. SHOPS/Pepfar 7. Envision International 8. Institute for Healthcare Improvement / S2S |

| Courses - 2015(South 2 South) | | | | | |
|-------------------------------|--|--|---|---|--|
| Consultant/Student | COURSES ATTENDED | Dates | TYPE OF TRAINING | Level/Module | PROVIDER |
| Michael Jackson | 1. Microsoft PowerPoint®: Advanced 2. Writing Workshop/Retreat 3. Microsoft PowerPoint®: Basic pointers for an effective presentation 4. Microsoft Word® for Large Documents 5. Enriching your learning environment for cumulative knowledge building with the use of multimedia 6. Introduction to Teaching in the Health Professions 7. Performance Management 8. IHI Research Workshop | 1. 24 Nov 2. 27 - 29 Oct 3. 06 Aug 4. 02 Sept 5. 26 Oct 6. 17 Apr/22May/19Jun 7. 19 May 8. 15-16 July | 1. Course 2. Workshop/Retreat 3. Short Course 4. Short Course 5. Pre-conference workshop (SOTL) 6. SU Short Course 7. Course 8. Workshop | 1. Advanced 2. N/A 3. Basic 4. Intermediate 5. Intermediate 6. Beginners 7. N/A 8. N/A | 1. Stellenbosch University 2. Institute for Healthcare Improvement 3. Stellenbosch University 4. Stellenbosch University 5. Stellenbosch University 6. Stellenbosch University 7. Stellenbosch University 8. Institute for Healthcare Improvement / S2S |
| Bernia Drake | 1. Short course student management System training & New Short course certificate procedure 2. Being a powerful Project Manager | 1. 10 Nov 2. 07 Aug | 1. Course 2. Workshop | 1. N/A 2. N/A | 1. SUN 2. Next Advisory |
| Ashtrolita Rudolph | 1. USAID: New Rules & Regulations Update 2. Being a powerful Project Manager 3. Project Management 4. Performance Management | 1. 10 Nov 2. 07 Aug 3. 16 - 18 Feb 4. 19 May | 1. Course 2. Workshop 3. Course 4. Course | 1. N/A 2. N/A 3. N/A 4. N/A | 1. InsideNGO 2. Next Advisory 3. Next Level 4. Stellenbosch University |
| Doranne McDonald | 1. Being a powerful Project Manager 2. Project Management | 1. 07 Aug 2. 16 - 18 Feb | 1. Workshop 2. Course | 1. N/A 2. N/A | 1. Next Advisory 2. Next Level |
| Ashley Niekerk | 1. Project Management 2. MCSA (Microsoft Certified Solutions Associate) SQL 2012 3. Good Clinical Practice (GCP) | 1. 16-18 Feb 2015 2. 07 – 26 Oct 2015 3. 15 Oct | 1. Course 2. Course 3. Course | 1. N/A 2. Level 2 3. N/A | 1. Next Level 2. CTU Training 3. Stellenbosch University |
| Jeannie Saffier | 1. USAID: New Rules & Regulations Update 2. Performance Management 3. Being a powerful | 1. 10 Nov 2. 19 May 3. 07 Aug 4. 16 - 18 Feb | 1. Course 2. Course 3. Workshop 4. Course | 1. N/A 2. N/A 3. N/A 4. N/A | 1. InsideNGO 2. Stellenbosch University 3. Next Advisory 4. Next Level |

| Courses - 2015(South 2 South) | | | | | |
|-------------------------------|---|--|---|--|--|
| Consultant/Student | COURSES ATTENDED | Dates | TYPE OF TRAINING | Level/Module | PROVIDER |
| | Project Manager 4. Project Management | | | | |
| Dr. I.O.Oluwatimilehin | 1. Performance Management Training | 1. 30Oct | 1. Workshop | 1. N.A. | 1. HR department of Stellenbosch University |
| Najuwa Arendse | 1. Good Clinical Practice (GCP) 2. Project Management | 1. 15 Oct 2. 16-18 Feb | 1. Course 2. Course | 1. N/A 2. N/A | 1. Stellenbosch University 2. Next Level |
| Madoda Sitshange | 1. Writing Workshop/Retreat 2. Project Management | 1. 27-29 Oct 2. 16 - 18 Feb | 1. Workshop/Retreat 2. Course | 1. N/A 2. N/A | 1. Institute for Healthcare Improvement 2. Next level |
| Admire Chirowodza | 1. Writing Workshop/Retreat 2. Good Clinical Practice (GCP) 3. IHI Research Workshop 4. Performance Management 5. 7th SA AIDS conference, Durban | 1. 27-29 Oct 2015 2. 15 Oct 3. 15-16 Jul 4. 19 May 5. 09-12 Jun 2015 | 1. Workshop/Retreat 2. Course 3. Workshop 4. Course 5. Conference | 1. N/A 2. N/A 3. N/A 4. N/A 5. Poster Presentation | 1. Institute for Healthcare Improvement 2. Stellenbosch University 3. Institute for Healthcare Improvement / S2S 4. Stellenbosch University 5. SA HIV conference |
| Bianca Snyders | 1. MS Outlook 2013 2. MS Word 2013 3. MS Excel Basic 2013 | 1. 26 Oct 2. 19 Oct 3. 08 Oct | 1. Course 2. Course 3. Course | 1. Level 1 2. Level 1 3. Level 1 | 1. Stellenbosch University 2. Stellenbosch University 3. Stellenbosch University |
| Bongiwe Cimi | 1. MS Word 2013 2. MS Outlook 2013 3. MS Excel Basic 2013 | 1. 19 Oct 2. 26 Oct 3. 08 Oct | 1. Course 2. Course 3. Course | 1. Level 1 2. Level 1 3. Level 1 | 1. Stellenbosch University 2. Stellenbosch University 3. Stellenbosch University |
| Charlene Goosen | 1. Microsoft PowerPoint®: Advanced 2. Microsoft PowerPoint®: Basic pointers for an effective presentation 3. Microsoft Word® for Large Documents 4. IHI Research Workshop 5. Enriching your learning environment for cumulative knowledge building with the use of multimedia 6. Writing | 1. 16 Oct 2. 06 Aug 3. 02 Sept 4. 15 - 16 Jul 5. 26 Oct 6. 27 - 29 Oct 7. 16-18 Feb 8. 17 Apr /22May/19Jun 9. 19 May | 1. SU Short Course 2. SU Short Course 3. SU Short Course 4. Workshop 5. Pre-conference workshop (SOTL) 6. Workshop / Retreat 7. Course 8. SU Short Course 9. Course | 1. Advanced 2. Intermediate 3. Intermediate 4. N/A 5. Intermediate 6. N/A 7. N/A 8. Beginners 9. N/A | 1. Stellenbosch University 2. Stellenbosch University – Centre for Learning Technologies 3. Stellenbosch University 4. Institute for Healthcare Improvement / S2S 5. Stellenbosch University 6. Institute for Healthcare Improvement 7. Next Level 8. Stellenbosch University |

| Courses - 2015(South 2 South) | | | | | |
|-------------------------------|--|--|---|---|---|
| Consultant/Student | COURSES ATTENDED | Dates | TYPE OF TRAINING | Level/Module | PROVIDER |
| | Workshop/Retreat 7. Project Management 8. Introduction to Teaching in the Health Professions 9. Performance Management | | | | 9. Stellenbosch University |
| Najuwa Arendse | 1. Good Clinical Practice (GCP) | 1. 2015/10/15 | 1. Course | 1. N.A. | 1. Stellenbosch university |
| Justin Engelbrecht | 1. MPhil (Health Systems and Services Research) 2. Microsoft PowerPoint®: Basic pointers for an effective presentation 3. Writing Workshop/Retreat 4. IHI Research Workshop 5. Project Management 6. 7th SA AIDS conference, Durban | 1. 2015 2. 06 Aug 2015 3. 27-29 Oct 4. 15-16 Jul 5. 16-18 Feb 6. 09-12 Jun 2015 | 1. Degree completed 2. SU Short Course 3. Workshop / Retreat 4. Workshop 5. Course 6. Conference | 1. Masters 2. Intermediate 3. N/A 4. N/A 5. N/A 6. Poster Presentation | 1. Community Health Dept, SU 2. Stellenbosch University 3. Institute for Healthcare Improvement 4. Institute for Healthcare Improvement / S2S 5. Next Level 6. SA HIV conference |
| Yumnah Wickstrom | 1. Microsoft PowerPoint®: Basic pointers for an effective presentation 2. Being a powerful Project Manager 3. Short course student management System training & New Short course certificate procedure 4. Performance Management 5. Project Management | 1. 06/08/2015 2. 07 Aug 3. 10 Nov 4. 19 May 5. 16 - 18 Feb | 1. SU Short Course 2. Workshop 3. Course 4. Course 5. Course | 1. Intermediate 2. N/A 3. N/A 4. N/A 5. N/A | 1. Stellenbosch University – Centre for Learning Technologies 2. Next Advisory 3. SUN 4. Stellenbosch University 5. Next Level |
| Nombulelo Matshikwe | 1. Being a powerful Project Manager 2. | 1. 07Aug 2. | 1. Workshop 2. | 1. N/A 2. | 1. Next Advisory 2. |
| Bernia Drake | Being a powerful Project Manager | 07 August 2015 | Workshop | 1. N/A | Next Advisory |

| Courses - 2015(South 2 South) | | | | | |
|-------------------------------|---|--|---|--|---|
| Consultant/Student | COURSES ATTENDED | Dates | TYPE OF TRAINING | Level/Module | PROVIDER |
| Madoda Sitshange | 1. IHI Research Workshop 2. Project Management 3. Writing Workshop/Retreat | 1. 15-16 July 2. 16 - 18 Feb 3. 27 - 29 Oct | 1. Workshop 2. Course 3. Workshop / Retreat | 1. N/A 2. N/A 3. N/A 4. N/A | 1. Institute for Healthcare Improvement / S2S 2. Next Level 3. Institute for Healthcare Improvement |
| Carolyn Diergaardt | 1. Scientific writing skills 2. IHI Research Workshop 3. Being a powerful Project Manager 4. Project Management 5. Sustainable Rural Health | 1. 22-23 June 2. 15-16 July 3. 07 Aug 4. 16-18 Feb 5. 18 -19 Mar | 1. Workshop 2. Workshop 3. Workshop 4. Course 5. Conference | 1. N/A 2. N/A 3. N/A 4. N/A 5. N/A | 1. Language Centre 2. Institute for Healthcare Improvement / S2S 3. Next Advisory 4. Next Level 5. ANOVA Health Institute |
| Lee-Ann Human | 1. Project Management | 1. 16 - 18 Feb | 1. Course | 1. N/A | 1. Next Level |
| Ellen de Wet | 1. Effective minutes for successful meetings 2. Performance Management | 1. 20-21 May 2015 2. 19 May | 1. Course 2. Course 3. Course | 1. N/A 2. N/A | 1. Stellenbosch University – Language Centre 2. Stellenbosch University |
| Samantha Hanslo | 1. Being a powerful Project Manager | 1. 07 Aug | 1. Workshop | 1. N/A | 1. Next Advisory |
| Ashtrolita Rudolph | | 19 May 2015 | Course | N.A. | Stellenbosch University |
| Beryl Green | 1. Performance Management 2. Project Management | 1. 19/05/2015 2. 16 - 18 Feb | 1. Course 2. Course | 1. N/A 2. N/A | 1. Stellenbosch University 2. Next Level |
| Carmen Louw | 1. Being a powerful Project Manager | 1. 07 Aug | 1. Workshop | 1. N/A | 1. Next Advisory |
| Christalien Husselmann | 1. Being a powerful Project Manager | 1. 07 Aug | 1. Workshop | 1. N/A | 1. Next Advisory |
| Dorothy Williams | 1. Being a powerful Project Manager 2. Project Management | 1. 07 Aug 2. 16 - 18 Feb | 1. Workshop 2. Course | 1. N/A 2. N/A | 1. Next Advisory 2. Next Level |
| Nombulelo Matshikwe | 1. Being a powerful Project Manager | 1. 07 Aug | 1. Workshop | 1. N/A | 1. Next Advisory |

| Courses - 2015(South 2 South) | | | | | |
|-------------------------------|---|---|--|---|---|
| Consultant/Student | COURSES ATTENDED | Dates | TYPE OF TRAINING | Level/Module | PROVIDER |
| Justine Geiger | 1. Performance Management 2. Project Management 3. Writing Workshop/Retreat 4. Microsoft Word® for Large Documents 5. IHI Research Workshop 6. MPhil year in HPE 7. 9th International Childhood TB training | 1. 19May 2. 16-18 Feb 3. 22 - 24 Jul 4. 03 Jul 5. 15 - 16 Jul 6. 2015 7. 25 - 30 Sept | 1. Course 2. Course 3. Course 4. SU Short Course 5. Workshop 6. 2nd year 7. course | 1. N/A 2. N/A 3. N/A 4. Intermediate 5. N/A 6. Masters 7. N/A | 1. Stellenbosch University 2. Stellenbosch University 3. Centre for Health Education (CHPE) 4. Stellenbosch University 5. Institute for Healthcare Improvement / S2S 6. Community Health Dept, SU 7. SU and Desmond Tutu Centre |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|-------------------------|------------------|--------------|-------------------------|---------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Abdullah | Amina | 19428251 | CRA | Short Course | Intermediate | | ACRO |
| Abelse | Felopina Abelse | 18938728 | GCP Beginner | Short Course | Basic | | CREDE |
| Adams | Delphine | 17620740 | GCP Refresher | Short Course | Basic | | CREDE |
| Afrika | Russell | 18989179 | GCP Beginner | Short Course | Basic | | CREDE |
| Alexander | Stephanie | 15522482 | GCP Refresher | Short course | Refresher | | CREDE |
| Allie | Taryn | 14071444 | POLS | Short Course | Advanced | Stellenbosch University | |
| Apolis | Chandre | 19839049 | GCP Beginner | Short Course | Basic | | CREDE |
| Arnolds | Faiek | 20491786 | GCP Beginner | Short Course | Basic | | CREDE |
| Asja | Sean | 16803221 | GCP Beginner | Short Course | Basic | | CREDE |
| Baba | Olwethu | 20568495 | HCT Training | Short Course | Basic | | NACOSA |
| Bango | Ntombikayise | 20568452 | HCT Training | Short Course | Basic | | NACOSA |
| Banzi | Maipato | 20533209 | GCP Beginner | Short Course | Basic | | CREDE |
| Baty | Nomfundiso | 20568207 | HCT Training | Short Course | Basic | | NACOSA |
| Bezana | Thandokazi | 20604432 | GCP Beginner | Short Course | Basic | | CREDE |
| Bezana | Thandokazi | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Blouw | Nonthini | 18830803 | GCP Beginner | Short Course | Basic | | CREDE |
| Bobbejee | Mesadi | 20601069 | GCP Beginner | Short | Basic | | CREDE |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|---|----------------------|----------|--------------------------|------------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| | | | | Course | | | |
| Bobbejee | Mesadi | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Bock | Peter | 17456207 | PHD | Formal Qualification | Advanced | Stellenbosch University | |
| Bock | Peter | 17456207 | POLS | Short Course | Advanced | Stellenbosch University | |
| Bocsh | Corne | 14566656 | GCLP | Skills programme | Basic | | Clinical laboratory services |
| Bolani | Dumisanie | 20542933 | HCT Training | Short Course | Basic | | NACOSA |
| Booyesen | Lizle | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Booyesen | Kylie | 18864996 | Certificate in Law | Formal Qualification | Basic | | UNISA |
| Booyesen | Denise | 20568835 | HCT Training | Short Course | Basic | | NACOSA |
| Bosch | Corne | 14566656 | Msc Microbiology | Formal qualification | Advance | SU: Dept of Microbiology | |
| Brown | Nadine | 19839278 | GCP Beginner | Short Course | Basic | | CREDE |
| Buso | Allyssa | 15589331 | GCP Beginner | Short Course | Basic | | CREDE |
| Carelse | Adelaide | 16267281 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Carelse | Adelaide | 16267281 | GCP Refresher | Short Course | Basic | | CREDE |
| Carolus | Pasqualine | 20568819 | GCP Beginner | Short Course | Basic | | CREDE |
| Carolus | Gabriela | 15288862 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Carolus | Gabriela | 15288862 | GCP Beginner | Short Course | Basic | | CREDE |
| Charles | Eugene | 19706130 | GCP Beginner | Short Course | Basic | | CREDE |
| Clarke | Regina | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Cleophas | Marilyn | 19839308 | GCP Beginner | Short Course | Basic | | CREDE |
| Cloete | Alma | 20542682 | HCT Training | Short Course | Basic | | NACOSA |
| Da Costa | Yusuf | 18921043 | GCP Beginner | Short Course | Basic | | CREDE |
| Dagba | Pheliswa | 18940749 | GCP Beginner | Short Course | Basic | | CREDE |
| Damon | Leroy | 18939988 | GCP Beginner | Short Course | Basic | | CREDE |
| Damon | Brendon | 20542666 | HCT Training | Short Course | Basic | | NACOSA |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|---|----------------------|--------------|-------------------------|------------------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| De Vaal | Celeste | 13274465 | GCP Beginner | Short Course | Basic | | CREDE |
| Dlaba | Lwandisa | 20568746 | GCP Beginner | Short Course | Basic | | CREDE |
| Dlisani | Nomthandazo | 18940080 | GCP Beginner | Short Course | Basic | | CREDE |
| Dlisani | Sidima | 18940080 | GCP Beginner | Short Course | Basic | | CREDE |
| Draper | Heather | 18151620 | BIO Stats | Skills programme | Basic | | SA Council for Natural Scientifics |
| du Preez | Karen | 12752991 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| Du Toit | Marguerite | 15490246 | GCP Beginner | Short Course | Basic | | CREDE |
| Du Toit | Marguirite | 15490246 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Dunbar | Rory | 14002787 | PHD | Formal Qualification | Advanced | Stellenbosch University | |
| Dunbar | Rory | 14002787 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| Dyasi | Yoliswa | 20568916 | HCT Training | Short Course | Basic | | NACOSA |
| Esau | Francionette | 19265867 | BA Honors: Psychology | Formal Qualification | Advanced | | UNISA |
| Februarie | Kim-Lee | 20542690 | HCT Training | Short Course | Basic | | NACOSA |
| Felix | Ricardo | 19727607 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Felix | Ricardo | 19727607 | GCP Beginner | Short course | Beginner | | CREDE |
| Fernandez | Victor | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Fielies | Evelyn | 20613423 | GCP Beginner | Short Course | Basic | | CREDE |
| Fikile | Vuyiswa | 20568967 | HCT Training | Short Course | Basic | | NACOSA |
| Fortuin | Kate | 20604432 | GCP Beginner | Short Course | Basic | | CREDE |
| France | Valentine | 20569335 | HCT Training | Short Course | Basic | | NACOSA |
| Futiso | Shholiwe | 20542372 | HCT Training | Short Course | Basic | | NACOSA |
| Gangathela | Nomzamo | 20568428 | HCT Training | Short Course | Basic | | NACOSA |
| Garcia-Prats | Anthony | 17494729 | MSc | Formal Qualification | Advanced | Stellenbosch University | |
| Garcia-Prats | Anthony | 17494729 | Paediatric Ultrasound workshop | Skills programme | Basic | | Critical Care |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|-----------|---|------------------|----------|-------------------------|------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Garcia-Prats | Anthony | 17494729 | GCP refresher | Skills programme | Basic | | WITS Health Consortium |
| Gcwabe | Zimasa | 19733488 | GCP Beginner | Short Course | Basic | | CREDE |
| Gcwabe | Zimasa | 19733488 | GCP Beginner | Short course | Beginner | | CREDE |
| Gcwabisa | Zimasa | 19733488 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Gigi | Lusanda | 18830803 | GCP Beginner | Short Course | Basic | | CREDE |
| Godlo | Noluthando | 20533233 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Godlo | Noluthando | 20533233 | HCT Training | Short Course | Basic | | NACOSA |
| Godlo | Noluthando | 20533233 | GCP Beginner | Short course | Beginner | | CREDE |
| Gordon | Sandra | 19421575 | GCP Beginner | Short Course | Basic | | CREDE |
| Gqomo | Grace Ntombentle | 20568681 | HCT Training | Short Course | Basic | | NACOSA |
| Grunewald | Sandra | 19994265 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Grunewald | Sandra | 19994265 | HCT Training | Short Course | Basic | | NACOSA |
| Grunewald | Sandra | 19994265 | GCP Beginner | Short course | Beginner | | CREDE |
| Gumede | Amos | 18989101 | GCP Beginner | Short Course | Basic | | CREDE |
| Gumenge | Kholiwe | 20571615 | GCP Beginner | Short Course | Basic | | CREDE |
| Gxabagxaba | Hlonipha | 15455238 | GCP Beginner | Short Course | Basic | | CREDE |
| Harley | Cindy | 15466701 | GCP Refresher | Short Course | Basic | | WITS Health Consortium |
| Harper | Abigail | 16987950 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Harper | Abigail | 16987950 | Economic Development | Short Course | Advanced | Stellenbosch University | |
| Hendricks | Sheldon | 18309798 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Hlalempini | Zandile | 20542836 | HCT Training | Short Course | Basic | | NACOSA |
| Hoddinott | Graeme | 18109586 | GCP Beginner | Short Course | Basic | | CREDE |
| Jacob | Rosy Jacob | 18939783 | GCP Beginner | Short Course | Basic | | CREDE |
| Jafta | Nicolene | 19735294 | GCP Beginner | Short Course | Basic | | CREDE |
| Jafta | Nicolene | 19735294 | GCP Beginner | Short course | Beginner | | CREDE |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|---|----------------------|--------------|-------------------------|--------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| James | Anelet | 13563890 | Strategic Thinking & Execution | Short Course | Advanced | | UCT GSB |
| James | Anelet | 13563890 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| January | Noziphiwo | 18940668 | GCP Beginner | Short Course | Basic | | CREDE |
| Jivan | Dionne | 17923662 | BA : Psychology | Formal Qualification | Intermediate | | UNISA |
| Joseph | Zimry | 20568649 | HCT Training | Short Course | Basic | | NACOSA |
| Joseph Msipha | Buhlebenkosi | 15799077 | GCP Beginner | Short Course | Basic | | CREDE |
| Juluis | Clarible | 15402088 | GCP Beginner | Short Course | Basic | | CREDE |
| Kabasso | Priscilla | 17370000 | PGDN Primary Health | Formal Qualification | Advanced | Stellenbosch University | |
| Kampies | Wenda | 20571593 | GCP Beginner | Short Course | Basic | | CREDE |
| Konkwane | Koliswa | 20491360 | GCP Beginner | Short Course | Basic | | CREDE |
| Koopman | Fred | 12138266 | GCP Beginner | Short Course | Basic | | CREDE |
| Koopman | Pricilla | 20542720 | HCT Training | Short Course | Basic | | NACOSA |
| Kotze | Marlene | 16143388 | Business Writing | Short Course | Basic | | DEAL |
| Kotze | Marlene | 16143388 | Report Writing | Short Course | Basic | | DEAL |
| Lenton | Dineo | 18941281 | GCP Beginner | Short Course | Basic | | CREDE |
| Letholi | Mpho | 20604394 | GCP Beginner | Short Course | Basic | | CREDE |
| Letholi | Mphomotseng | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Leukes | Daphne | 15278417 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Leukes | Daphne | 15278417 | GCP Refresher | Short Course | Basic | | WITS Health Consortium |
| Madesi | Xolani | 20569297 | GCP Beginner | Short Course | Basic | | CREDE |
| Mafuxwana | Siyabonga | 19860048 | GCP Beginner | Short Course | Basic | | CREDE |
| Mahlanza | Buyisile Charles | 18939813 | GCP Beginner | Short Course | Basic | | CREDE |
| Maker | Marsha | 16156242 | GCP Refresher | Short Course | Basic | | WITS Health Consortium |
| Makhomazi | Fundiswa | 15032698 | GCP Beginner | Short Course | Basic | | CREDE |
| Makinana | Zandile | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Makola | Noziziwe | 14459221 | GCP Beginner | Short Course | Basic | | CREDE |
| Makola | Noziziwe | 14459221 | Report Writing | Short Course | Intermediate | | DEAL |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|--------------|---|----------------------|--------------|------------------------------|--------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Makoma | Monwabisi | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Mama | Nosimpiwe | 18939880 | GCP Beginner | Short Course | Basic | | CREDE |
| Mamkeli | Malungisa | 18530842 | GCP Beginner | Short Course | Basic | | CREDE |
| Mandla | Nomtha | 17964040 | Writing Marathon | Short Course | Intermediate | Stellenbosch University | |
| Mandla | Nomtha | 17964040 | Scientific Writing Course | Short Course | Advanced | ADA: Stellenbosch University | |
| Mandla | Nomtha | 17964040 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| Mangcunyana | Bulelwa | 17483743 | Grade 12 | Formal Qualification | Basic | | Damelin |
| Mankewu | Khanyisa | 20568320 | HCT Training | Short Course | Basic | | NACOSA |
| Mantantana | Jabulile | 15799867 | GCP Refresher | Short Course | Basic | | CREDE |
| Maposa | Nolwando | 20572069 | GCP Beginner | Short Course | Basic | | CREDE |
| Maqokolo | Inathi | 20567944 | HCT Training | Short Course | Basic | | NACOSA |
| Marx | Florian | 16225015 | PHD | Formal Qualification | Advanced | Stellenbosch University | |
| Mase | Nolufefe | 18940005 | GCP Beginner | Short Course | Basic | | CREDE |
| Mathema | Hlengani | 18896324 | Advance Epidemiological Methods | Short Course | Advanced | Stellenbosch University | |
| Maxwele | Mzubanzi | 20569300 | HCT Training | Short Course | Basic | | NACOSA |
| Mazondo | Babalwa | 20543042 | HCT Training | Short Course | Basic | | NACOSA |
| Mazwi-Tabata | Nonkosazana | 20568630 | HCT Training | Short Course | Basic | | NACOSA |
| Mbaba | Sharon | 15935817 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Mbaba | Sharon | 15935817 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| Mbazi | Mzee | 19725183 | GCP Beginner | Skills programme | Basic | | CREDE |
| Mbina | Elizabethy | AGENCY/ TEMP | GCP Beginner | Short Course | Basic | | CREDE |
| Mbobosi | Celiwe | 20568606 | HCT Training | Short Course | Basic | | NACOSA |
| Mentor | Marilyn | 13755455 | GCP Beginner | Short Course | Basic | | CREDE |
| Mesela | Noxolo | 20568878 | HCT Training | Short Course | Basic | | NACOSA |
| Mfana | Bantu | 18836917 | Best Practise for Effective | Skills Program | Basic | Stellenbosch | |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|---|----------------------|--------------|-------------------------|------------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| | | | Recruitment and Selection | me | | University | |
| Mfana | Bantu | 18836917 | GCP Beginner | Short course | Beginner | | CREDE |
| Mguye | Njongo | 19839340 | GCP Beginner | Short Course | Basic | | CREDE |
| Mhlanga | Nozipho | 20568223 | HCT Training | Short Course | Basic | | NACOSA |
| Mithi | Andile | 19669380 | GCP Beginner | Short Course | Basic | | CREDE |
| Mncedani | Sibusiso | 20542399 | HCT Training | Short Course | Basic | | NACOSA |
| Molaoa | Patience | 18780083 | GCP Beginner | Short Course | Basic | | CREDE |
| Molaolwa | Rachel Molaolwa | 14997568 | GCP Beginner | Short Course | Basic | | CREDE |
| Morobe | Beatrice | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Mpongoshe | Daniel | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Mqalekiso | Bonelwa | 20568940 | HCT Training | Short Course | Basic | | NACOSA |
| Mramba | Zingiwe | 16572114 | BA: Social Work | Formal Qualification | Intermediate | | UNISA |
| Mtamzeli | Bongiwe | 18939902 | GCP Beginner | Short Course | Basic | | CREDE |
| Mthi | Sibongiseni | 18940897 | GCP Beginner | Short Course | Basic | | CREDE |
| Mtshabe | Asikhangale | 20354967 | GCP beginner | Short Course | Basic | Stellenbosch University | |
| Mtshamba | Eunice | 15165798 | GCP Refresher | Short Course | Basic | | WITS Health Consortium |
| Mubekapi | Constance | 20574274 | GCP Beginner | Short Course | Basic | | CREDE |
| Myburgh | Hanalie | 14248581 | GCP Refresher | Short Course | Basic | | CREDE |
| Myburgh | Hanalie | 14248581 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Myburgh | Debbie | 15950972 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Mzawanele | Lawrence | 19631502 | GCP Beginner | Short Course | Basic | | CREDE |
| Mzondi | Nangamso | 20568932 | HCT Training | Short Course | Basic | | NACOSA |
| Naidoo | Vikesh | 18074022 | Responsible Research Conduct | Short Course | Intermediate | | University of Miami (Online) |
| Naidoo | Pren | 15463087 | PHD | Formal Qualification | Advanced | Stellenbosch University | |
| Naidoo | Vikesh | 18074022 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|-------------------|-------------|---|----------------------|--------------|-------------------------|------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Nciya | Xoliseka | 19706995 | GCP Beginner | Short Course | Basic | | CREDE |
| Nduna | Sibusiso Domini | 18940536 | GCP Beginner | Short Course | Basic | | CREDE |
| Ndunana | Vuyiswa | 20252161 | Dispensing Course | Formal Qualification | Basic | | Pharmacy Education Int |
| Ndunana | Vuyiswa | 20252161 | Sexual & Reproductive Course | Formal Qualification | Basic | | Comfidor |
| Nel | Kerry | 13836536 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| Nelani | Thobile | 18940560 | GCP Beginner | Short Course | Basic | | CREDE |
| Ngcongco | Lumka | 20568355 | HCT Training | Short Course | Basic | | NACOSA |
| Ngesi | Nomsa Anita | 20568339 | HCT Training | Short Course | Basic | | NACOSA |
| Nikani | David | 16387635 | Project Management | Short Course | Intermediate | | UCT |
| Nkosana | Ntombifikile | 18939929 | GCP Beginner | Short Course | Basic | | CREDE |
| Nohiya | Veliswa | 20484526 | GCP Beginner | Short Course | Basic | | CREDE |
| Nomalizo | Pikashe | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Nompe | Phakama | 20568533 | HCT Training | Short Course | Basic | | NACOSA |
| Nomsenge | Sinazo | 20491999 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Nomsenge | Sinazo | 20491999 | GCP Beginner | Short Course | Basic | | CREDE |
| Ntlangwini | Vuyokazi | 20542364 | HCT Training | Short Course | Basic | | NACOSA |
| Ntshakaza | Vusumzi Ntshakaza | 18938949 | GCP Beginner | Short Course | Basic | | CREDE |
| Ntshotsho | Yolanda | 20568053 | HCT Training | Short Course | Basic | | NACOSA |
| Ntsukumbini | Vuyiseka | 19606036 | GCP Beginner | Short Course | Basic | | CREDE |
| Nyandeni | Thembaletu | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Nyitama | Sikelelwa | 20543093 | HCT Training | Short Course | Basic | | NACOSA |
| Parish | John | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Petersen | Pauline | 20569327 | HCT Training | Short Course | Basic | | NACOSA |
| Peti | Vuyo | 20542968 | HCT Training | Short Course | Basic | | NACOSA |
| Petse | Joy | AGENCY/TEMP | GCP Beginner | Short Course | Basic | | CREDE |
| Philander | Cynthia | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|---|------------------|--------------|-------------------------|--------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Phito | Linda | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Poole | Leon | 20601891 | GCP Beginner | Short Course | Basic | | CREDE |
| Prins | Lauren Prins | 18938957 | GCP Beginner | Short Course | Basic | | CREDE |
| Puling | Primrose | 14694484 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Ramncwana | Phumlani | 18772307 | GCP Beginner | Short Course | Basic | | CREDE |
| Rhode | Desiree | 19291787 | GCP Beginner | Short Course | Basic | | CREDE |
| Rowan | Inngrid | 18615090 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Runeyi | Chunyiswa | 19859953 | GCP Beginner | Short Course | Basic | | CREDE |
| Runeyi | Sinazo | 20492065 | GCP Beginner | Short Course | Basic | | CREDE |
| Sabisa | Kamvelihle | 20018576 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Sabisa | Kamvelihle | 20018576 | GCP Beginner | Short course | Beginner | | CREDE |
| Sam | Tamara | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Samson | Rozanda | 20543190 | HCT Training | Short Course | Basic | | NACOSA |
| Saunders | Yvonne | 20536194 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Saunders | Yvonne | 20536194 | GCP Beginner | Short course | Beginner | | CREDE |
| Saungweme | Sandra | 18864562 | Scientific Writing Course | Short Course | Intermediate | Stellenbosch University | |
| Saungweme | Sandra | 18864562 | SQL Server Training | Short Course | Intermediate | | TORQUE TECHNICAL |
| Saungweme | Sandra | 18864562 | STATA | Short Course | Intermediate | | UCT - Data First |
| Saungweme | Sandra | 18864562 | Microsoft Excel Expert | Short Course | Intermediate | | LEARNFAST |
| Saungweme | Sandra | 18864562 | POLS | Short Course | Advanced | Stellenbosch University | |
| Scheepers | Michelle | 18570917 | HCT Training | Short Course | Intermediate | | NACOSA |
| Shete | Lebohang | 20542984 | HCT Training | Short Course | Basic | | NACOSA |
| Sibhozo Stuurman | Thobela | 20568010 | HCT Training | Short Course | Basic | | NACOSA |
| Siboto | Phumza | 16379209 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|---|----------------------|--------------|-------------------------|--------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Siboto | Pumza | 16379209 | GCP Beginner | Short course | Beginner | | CREDE |
| Sijora | Xolisa | 18941141 | GCP Beginner | Short Course | Basic | | CREDE |
| Sindelo | Sicelo | 18796958 | GCP Beginner | Short Course | Basic | | CREDE |
| Siphondo | Ntombenkosi | 20568614 | HCT Training | Short Course | Basic | | NACOSA |
| Siqele | Fikile | 18938582 | GCP Beginner | Short Course | Basic | | CREDE |
| Siqwana | Boniswa | 20542380 | HCT Training | Short Course | Basic | | NACOSA |
| Sithole(Maxwale) | Victoria | 20572704 | HCT Training | Short Course | Basic | | NACOSA |
| Siyotula | Thabisa | 20568266 | HCT Training | Short Course | Basic | | NACOSA |
| Smith | Theodore | 11495529 | GCP Beginner | Short Course | Basic | | CREDE |
| Smith | Theodore | 11495529 | POLS | Short Course | Advanced | Stellenbosch University | |
| Sodinga | Nonceba | 19728492 | GCP Beginner | Short Course | Basic | | CREDE |
| Stollie | Melvina | 16308220 | GCP Refresher | Short Course | Basic | | CREDE |
| Stuurman | Natasha | 20543220 | HCT Training | Short Course | Basic | | NACOSA |
| Sukwana | Andiswa | 20542801 | HCT Training | Short Course | Basic | | NACOSA |
| Thabatha | Lungiswa | 18938639 | GCP Beginner | Short Course | Basic | | CREDE |
| Theart | Mark | 13861425 | POLS | Short Course | Advanced | Stellenbosch University | |
| Thomas | Angelique | 20491719 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Thomas | Angelique | 20491719 | GCP Beginner | Short Course | Basic | | CREDE |
| Thukumbela | Oscarina | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Tisana | Florence | 20603789 | GCP Beginner | Short Course | Basic | | CREDE |
| Tono | Sindisiwe | 18939872 | GCP Beginner | Short Course | Basic | | CREDE |
| Tshaka | Zintle | 18939511 | GCP Beginner | Short Course | Basic | | CREDE |
| Tshukuse | Yanga | 18938981 | GCP Beginner | Short Course | Basic | | CREDE |
| Van Der Laan | Lovina | 14044811 | Mphil: Clinical Pharmacology | Formal Qualification | Advanced | Stellenbosch University | |
| Van der Laan | Louvina | 14044811 | Mphil: Clinical Pharmacology | Formal qualification | Intermediate | | University of Cape Town |
| Van der Zalm | Marieke | 16309421 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Van Niekerk | Margaret | 14176416 | Masters Human Nutrition | Formal Qualification | Advanced | Stellenbosch University | |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|------------|---|----------------------|--------------|--|--------------------------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Van Niekerk | Margaret | 14176416 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| Van Reenen | Ricardo | 19839197 | GCP Beginner | Short Course | Basic | | CREDE |
| Van Ster | Daphne | 15803570 | GCP Refresher | Short Course | Basic | | WITS Health Consortium |
| Van Wyk | Susan | 12900281 | PHD | Formal Qualification | Advanced | Stellenbosch University | |
| Vanqa | Nosivuyile | 16772539 | GCP Beginner | Short Course | Basic | | CREDE |
| Vanqa | Nosivuyela | 16772539 | Best Practise for Effective Recruitment and Selection | Skills Programme | Basic | Stellenbosch University | |
| Vermaak | Redwaan | 12620440 | POLS | Short Course | Advanced | Stellenbosch University | |
| Viljoen | Lario | 14318172 | GCP Refresher | Short Course | Basic | | CREDE |
| Vinjwa | Lwandiswa | 20568118 | HCT Training | Short Course | Basic | | NACOSA |
| Wahl | Tessa | 15741915 | GCP Beginner | Short Course | Basic | | CREDE |
| Walters | Elisabetta | 14754363 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Wanza | Olivia | 19420773 | GCP Beginner | Short Course | Basic | | CREDE |
| Winckler | Jana | 13822241 | Mphil: Clinical Pharmacology | Formal qualification | Intermediate | | University of Cape Town |
| Winckler | Jana | 13822241 | GCP Beginner | Short Course | Basic | | CREDE |
| Winckler | Jana | 13822241 | Clinical Investigator Certification | Skills programme | Basic | | Fundisa training academy |
| Wonxie | Thando | 15655547 | PGD: HIV/AIDS Management | Formal Qualification | Advanced | Stellenbosch University | |
| Xabakshe | Nolubabalo | 20443247 | HCT Training | Short Course | Basic | | NACOSA |
| Xayiya | Ntobbizodwa | 19666063 | GCP Beginner | Short Course | Basic | | CREDE |
| Yam | Nomzamo | CAB Member | Effective Minute Taking | Skills Programme | Basic | | Siyathemba na |
| Yang | Blia | 16402510 | GCP Beginner | Short Course | Basic | | CREDE |
| Yang | Blia | 16402510 | Management Development Leadership Programme | Short course | Intermediate | | Willem Conradie |
| Yaso | Nomphele | 20568584 | HCT Training | Short Course | Basic | | NACOSA |
| Zimri | Klassina | 16572343 | Qualitative research | Short course | Basic | SU: Research on Health & Society (RHS) | |

| Course attendance for staff: (DTTC)Paediatric Department 2015 | | | | | | | |
|--|------------------|-----------|------------------|--------------|----------|--|--------|
| NAME | COURSES ATTENDED | UT Number | TYPE OF TRAINING | LEVEL | PROVIDER | | CREDE |
| Zintaba | Moumelelo | 20543263 | HCT Training | Short Course | Basic | | NACOSA |
| Ziqhu | Sabelo | 19541120 | GCP Beginner | Short Course | Basic | | CREDE |

| Course attendance for staff: (Administrative Staff)Paediatric Department 2015 | | | | | | |
|--|--|---|---|---|----------|--|
| NAME | COURSES ATTENDED | DATES | TYPE OF TRAINING | LEVEL | PROVIDER | |
| Admin Staff | | | | | | |
| Engelbrecht, S | 1. Paediatric Academic Day of Excellence | 1. 30 October 2015 | 1. Workshop | 1. Advanced | | 1. SU |
| Fourie, A | 1. Investigator Training Programme / GCP Course 2. Paediatric Academic Day of Excellence Organiser | 1. 12 - 13 Mar 2015 2. 30 October 2015 | 1. Workshop 2. Workshop | 1. Advanced 2. Advanced | | 1. Pfizer Laboratories 2. SU |
| Meyer, N | 1. Investigator Training Programme / GCP Course 2. Neonatal Cooling Workshop 3. Paediatric Academic Day Excellence Organiser 4. A romp through African Philosophy: Past Present and Future. | 1. 12 - 13 Mar 2015 2. 18 Nov 2015 3. 30 Oct 2015 4. 27 may 2015 | 1. Workshop 2. Workshop 3. Workshop | 1. Advanced 2. Advanced 3. Advanced | | 1. Pfizer Laboratories 2. SU 3. SU |
| Permall, P | 1. Investigator Training Programme / GCP Course 2. Paediatric Academic Day of Excellence Organiser | 1. 12 - 13 Mar 2015 2. 30 Oct 2015 | 1. Workshop 2. Workshop | 1. Advanced 2. Advanced | | 1. Pfizer Laboratories 2. SU |
| Williams, J | 1. Correspondence and email in your official capacity 2. Building Effective Relationships 3. Building Effective Relationships Fellow up 4. Paediatric Academic Day Excellence Organiser | 1. 18 Feb 2015 2. 29 - 30 Jul 2015 3. 27 Aug 2015 4. 30 Oct 2015 | 1. Course 2. Course 3. Fellow up 4. Workshop | 1. Advanced 2. Advanced 3. Fellow up 4. Advanced | | 1. SU - Language Centre 2. Breaking Ground Learning and Development Consultants 3. Breaking Ground Learning and Development Consultants 4. SU |

| Nurse | | | | | | |
|------------|--|---|---|---|----------|--|
| NAME | COURSES ATTENDED | DATES | TYPE OF TRAINING | LEVEL | PROVIDER | |
| Johnson, J | 1. One-day Research Overview Workshop 2. Investigator Training Programme / GCP Course 3. Paediatric Academy Day Excellence | 1. 03 March 2015 2. 12 - 13 Mar 2015 3. 30 Oct 2015 | 1. Workshop 2. Workshop 3. Workshop | 1. Advanced 2. Advanced 3. Advanced | | 1. SU (Research Development and support Division) 2. Pfizer Laboratories 3. SU |

Part 4

Research

Achievements and Highlights

Prof RP Gie: Received the Princess Chichibu Memorial TB Global Award (This award recognises outstanding contributions to global TB control).

Prof Nulda Beyers was the first runner-up in the category: Distinguished Women Researchers at the annual South African Women in Sciences Award ceremony held on 13 August in Johannesburg

Proff N Beyers and S Schaaf: Appointed as Honorary Members of The Union. (The title Honorary Member of The Union is granted to a person who has become distinguished through active participation in The Union's activities and the fulfilments of its goals.

Proff MF Cotton and AC Hesselning: Stellenbosch University recognition as distinguished professors.

Dr A Bekker was awarded the HB Brede medal for her article, Pharmacokinetics of isoniazid in low birth weight and premature infants, published in Antimicrobial Agents and Chemotherapy in 2014.

Proff Pierre Goussard and Ronald van Toorn were appointed as Associate Professor by the University from 1 July 2015.

Dr Y Kooblal: Received the Vrije University - NRF Desmond Tutu Doctoral Training Programme Award for 2016.

NRF ratings:

New:

- Prof MF Cotton A2
- Prof EWA Zöllner C3
- Dr A Bekker C3

Existing:

- Prof PR Donald A2
- Prof HS Schaaf A2
- Prof J Smith C2
- Prof R Van Toorn C2
- Dr H Rabie C3
- Dr S Innes Y2

The fifth annual Academic Day of Excellence was held on Friday 30 October 2015 in the Faculty titled: "Tuberculosis: Past, Present and Future" in honour of the retirement of Proff Nulda Beyers and Robert Gie, with international invited speakers: Prof D Enarson, Dr P Enarson and Dr SN Amadhila.

The first Annual Paediatric Registrar Research Day was held on 25 November here in the Faculty where 9 registrars presented their research. The prize for best research was awarded to:

- Dr Andre Gie - The value of open lung biopsy in infants and children living in a country with a high prevalence of tuberculosis and TB. Supervised by Proff S Kling/P Goussard
- Dr A Coetzee - The role of lumbar puncture in young infants presenting with seizures and fever in a resource poor setting. Supervised by Drs L Smif/R Solomons

Publications

Journal Articles (subsidised)

1. ALHAMUD A, TAYLOR PA, LAUGHTON B, VAN DER MERWE AJW, MEINTJES E. Motion Artifact Reduction in Pediatric Diffusion Tensor Imaging Using Fast Prospective Correction. *Journal of Magnetic Resonance Imaging* 2015; **41**:1353-1364.
2. ALLWOOD BW, GOLDIN J, SAID-HARTLEY Q, VAN ZYL-SMIT RN, CALLIGARO G, ESMAIL A, BEYERS N, BATEMAN ED. Assessment of previous tuberculosis status using questionnaires, chest X-rays and computed tomography scans. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(12):1435-1440.
3. ANDERSSON MI, RAJBHANDARI R, KEW MC, VENTO S, PREISER W, HOEPELMAN AIM, THERON GB, COTTON MF, GLEBE D, LESI O, THURSZ M, PETERS M, CHUNG R, WIYSONGE CSU. Mother-to-child transmission of hepatitis B virus in sub-Saharan Africa: time to act. *Lancet Global Health* 2015; **3**:e-358-e359.
4. ANDRONIKOU S, ACKERMANN C, LAUGHTON B, COTTON MF, TOMAZOS N, SPOTTISWOODE B, MAUFF K, PETTIFOR JM. Corpus callosum thickness on mid-sagittal MRI as a marker of brain volume: a pilot study in children with HIV-related brain disease and controls. *Pediatric Radiology* 2015; **45**:1016-1025.
5. AZZONI L, BARBOUR R, PAPASAVVAS E, GLENCROSS DK, STEVENS WS, COTTON MF, VIOLARI A, MONTANER LJ. Early ART Results in greater immune reconstitution benefits in HIV-infected infants: working with data missingness in a longitudinal dataset. *PLoS ONE* 2015; **10**(12):e0145320.
6. BLAKNEY AK, TCHAKOUTE CT, HESSELING AC, KIDZERU EB, JONES CE, PASSMORE JS, SODORA DL, GRAY C, JASPAN HB. Delayed BCG vaccination results in minimal alterations in T cell immunogenicity of acellular pertussis and tetanus immunizations in HIV-exposed infants. *Vaccine* 2015; **33**:4782-4789.
7. BRINK AJ, COTTON MF, FELDMAN C, FINLAYSON H, FRIEDMAN R, GREEN RJ, HENDSON W, HOCKMAN MH, MAARTENS G, MADHI SA, REUBENSON G, SILVERBAUER EJ, ZIETSMAN IL. Updated recommendations for the management of upper respiratory tract infections in South Africa. *SAMJ South African Medical Journal* 2015; **105**(5):345-352.
8. CHOTUN BN, NEL EDLR, COTTON MF, PREISER W, ANDERSSON MI. Hepatitis B virus infection in HIV-exposed infants in the Western Cape, South Africa. *Vaccine* 2015; **33**(36):4618-4622.
9. COTTON MF, HOLGATE SL, NELSON A, RABIE H, WEDDERBURN C, MIROCHNICK M. The last and first frontier – emerging challenges for HIV treatment and prevention in the first week of life with emphasis on premature and low birth weight infants. *Journal of the International Aids Society* 2015; **18**(6):20271.

10. COTTON MF, MACLOU SN. Comment on: Adverse Drug Reactions and Clinical Outcomes in Patients Initiated on Antiretroviral Therapy: A Prospective Cohort Study from Ethiopia. *Drug Safety* 2015; **38**:931.
11. COTTON MF, RABIE H. Impact of earlier combination antiretroviral therapy on outcomes in children. *Current Opinion in HIV and AIDS* 2015; **10**(1):12-17.
12. COTTON MF, RABIE H. Maintenance of antiretroviral efficacy in children. *Lancet* 2015; **2**(4):e120-e121.
13. COTTON MF, RABIE H. Universal children's day - let's improve current interventions to reduce vertical transmission of HIV now. *Journal of the International Aids Society* 2014; **17**:19875.
14. DANG NA, MOURAO M, KUIJPER S, WALTERS E, JANSSEN H-G, KOLK AHJ. Direct detection of Mycobacterium tuberculosis in sputum using combined solid phase extraction-gas chromatography-mass spectrometry. *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences* 2015; **986-987**:115-122.
15. DAVIES M-A, FORD N, RABIE H, FATTI G, STINSON K, GIDDY J, TANSER F, TECHNANAU K, SAWRY S, ELEY B, WOOD R, MOFENSON LM, KEISER O, BOULLE A. Reducing CD4 Monitoring in Children on Antiretroviral Therapy With Virologic Suppression. *Pediatric Infectious Disease Journal* 2015; **34**:1361-1364.
16. DAWSON R, DIACON AH, EVERITT D, VAN NIEKERK C, DONALD PR, BURGER DA, SCHALL R, SPIGELMAN M, CONRADIE A, EISENACH K, VENTER A, IVE P, PAGE-SHIPPI L, VARIAVA E, REITHER K, NTINGINYA E, PYM A, VAN GROOTE-BIDLINGMAIER F, MENDEL CM. Efficiency and safety of the combination of moxifloxacin, pretomanid (PA-824), and pyrazinamide during the first 8 weeks of antituberculosis treatment: a phase 2b, open-label, partly randomised trial in patients with drug-susceptible or drug-resistant pulmonary tuberculosis. *Lancet* 2015; **385**(9979):1738-1747.
17. DIACON AH, DAWSON R, VON GROOTE-BIDLINGMAIER F, SYMONS G, VENTER A, DONALD PR, VAN NIEKERK C, EVERITT D, HUTCHINGS J, BURGER DA, SCHALL R, MENDEL CM. Bacterial Activity of Pyrazinamide and Clofazimine Alone and in Combinations with Pretomanid and Bedaquiline. *American Journal of Respiratory and Critical Care Medicine* 2015; **191**(8):943-953.
18. DIACON H, DAWSON R, VON GROOTE-BIDLINGMAIER F, SYMONS G, VENTER A, DONALD PR, VAN NIEKERK C, EVERITT D, HUTCHINGS J, BURGER DA, SCHALL R, MENDEL CM. Bactericidal activity of pyrazinamide and clofazimine alone and in combinations with pretomanid and bedaquiline. *American Journal of Respiratory and Critical Care Medicine* 2015; **191**(8):943-953.
19. DONALD PR, DIACON AH. Para-aminosalicylic acid: the return of an old friend. *Lancet Infectious Diseases* 2015; **3**:1091-1099.
20. DRAMOWSKI A, COTTON MF, RABIE H, WHITELAW AC. Trends in paediatric bloodstream infections at a South African referral hospital. *BMC Pediatrics* 2015; **15**:33.
21. DRAMOWSKI A, MADIDE AKM, BEKKER A. Neonatal nosocomial bloodstream infections at a referral hospital in a middle-income country: burden, pathogens, antimicrobial resistance and mortality. *PAEDIATRICS & CHILD HEALTH* 2015; **35**(3):265-272.
22. DRAMOWSKI A, MARAIS F, GOLIATH C, MEHTAR S. Impact of a quality improvement project to strengthen infection prevention and control training at rural healthcare facilities. *African Journal of Health Professions Education* 2015; **7**(1):73-75.

23. DRAMOWSKI A, MARAIS F, WILLEMS B, MEHTAR S. Does undergraduate teaching of infection prevention and control adequately equip graduates for medical practice?. *African Journal of Health Professions Education* 2015; **7**(1):105-110.
24. ENARSON PM, GIE RP, MWANSAMBO CC, CHALIRA AE, LUFESI NN, MAGANGA ER, ENARSON DA, CAMERON NA, GRAHAM SM. Potentially Modifiable Factors Associated with Death of Infants and Children with Severe Pneumonia Routinely Managed in District Hospitals in Malawi. *PLoS ONE* 2015; **10**(8):e0133365.
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Journal Articles (NON-subsidised)

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4. DRAMOWSKI A, BLOOMBERG L, WEYER J. Protecting frontline health care workers: practical Ebola virus disease prevention and control. *African Newsletter on Occupational Health and Safety* 2015; **25**:11-15.
5. DRAMOWSKI A, COTTON MF, WHITELAW AC. Utilization of paediatric isolation facilities in a TB-endemic setting. *Antimicrobial Resistance & Infection Control* 2015; **4**(36):10.1186/s13756-015-0078-z.
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13. RABIE H, FRIGATI LJ, HESSELING AC, GARCIA-PRATS AJ. Tuberculosis: opportunities and challenges for the 90-90-90 targets in HIV-infected children. *Journal of the International Aids Society* 2015; **18**(6):35-45.
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- with Fosamprenavir-Containing Antiretroviral Regimens. *The Open AIDS Journal* 2015; **9**:38-44.
15. SEDDON JA, FRED D, AMANULLAH F, SCHAAF HS, STARKE JR, KESHAVJEE S, BURZYNSKI J, FURIN JJ, SWAMINATHAN S, BECERRA C. Post-Exposure management of multidrug-resistant tuberculosis contacts: evidence-based recommendations. *Policy Brief* 2015; **1**:1-16.
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Books

1. DRAMOWSKI A. *Ebola prevention and control*. Infection Control Africa Network (ICAN), Cape Town, South Africa 2015:146 pp.

Chapters in Books

1. KRUGER M, BARR RD. Pediatric Oncology in Countries with Limited Resources. In: Pizzo PA, Poplack DG (eds.) *Principles and Practice of Pediatric Oncology*, Wolters Kluwer, Hagerstown, USA, 2015: 1256-1266.
2. SCHAAF HS, DONALD PR. Epidemiology of Tuberculosis in Young Children in the United States. In: SCHAAF HS (ed.) *Paediatrics*, 1, 1, 2015: 177-179.
3. Masters completed
4. JARVIS LN, BEYERS N, GODFREY-FAUSETT P, CHISINGA N. *Burden of common mental disorders among HIV/TB infected individuals in Zambia and South Africa*. MMed, 2015. 68 pp. Studieleier: HARVEY J, MACHARIA M, SEEDAT S.

Conferences/Workshops: Participants & Attendees

| Date | Name | Meetings/Conferences | Place |
|--------------------------|-------------------|--|---------------------------|
| 9-12 July | Appel, I Dr | Critical Care Society of South Africa Congress | Sun City, South Africa |
| 3-5 September | Du Buisson, CJ Dr | 48th European Society of Paediatric Nephrology Conference • Presentation of PUV study | Brussels. Belgium |
| 18-21 November | Finlayson, H Dr | WSPID Congress - Poster Presentation | Rio, Brazil |
| 19 January – 15 February | | Visit to Sierra Leone as part of the World Health Organisation education team | Sierra Leone, West Africa |

| Date | Name | Meetings/Conferences | Place |
|--------------------------|------------------|--|--|
| 19-20 March | Goussard, P Prof | Here be Lungs 4 conference – invited speaker | Stellenbosch, South Africa |
| 25-28 June | | CIPP XIV meeting: <ul style="list-style-type: none"> Factors that predict for positive GeneXpert MTB/RIF on bronchoalveolar lavage samples in children with suspected tuberculosis. (poster) Perinatally acquired tuberculosis - Diagnostic and therapeutic approach. (Invited speaker) Interventional Bronchoscopic Techniques (Invited speaker) | Krakow, Poland |
| 7-10 August | | SATS congress <ul style="list-style-type: none"> Paediatric Bronchoscopy. (Invited speaker) Interventional bronchoscopy. (Invited speaker) Factors that predict for positive GeneXpert MTB/RIF on bronchoalveolar lavage samples in children with suspected tuberculosis. (poster) | Cape Town, South Africa |
| 27 September - 1 October | | ERS congress | Amsterdam, The Netherlands |
| November | Hassan, H Dr | SA KMC Conference Invited speaker: PMTCT Policy in action | Eastern Cape, South Africa |
| 18h April | Kajee, Z Dr | Presented her MMed at SEMDSA Congress | Bloemfontein, South Africa |
| 7 October | | ISPAD+APEG conference - Presented a poster on at in on paediatric diabetes | Brisbane, Australia |
| 28 January | Kruger, M Prof | Red Cross Children's Hospital Academic Meeting: <ul style="list-style-type: none"> Invited speaker - Off label drug use in paediatrics - our ethical responsibility | Cape Town, South Africa |
| 20-21 February | | 8th Haematology/Oncology Symposium – Attendee | Southern Sun Newlands Hotel, Cape Town, South Africa |
| 9-10 March | | TB Modelling Workshop - Attendee | STIAS, Stellenbosch, South Africa |
| 19-20 March | | Here be Lungs 4 Conference <ul style="list-style-type: none"> Welcoming address - Kruger M Invited speaker – Pro & Con: Lung diseases of poverty: Are more innovations needed? – Kruger M, Kling S | Lanzerac Hotel, Stellenbosch, South Africa |
| 31 July-1 August | | Confronting the Challenges Relevant to HIV/AIDS Malignancies in Sub-Saharan | Commodore Hotel, |

| Date | Name | Meetings/Conferences | Place |
|-----------------|-----------------|--|-------------------------|
| | | Africa <ul style="list-style-type: none"> • Invited speaker – Non-AIDS defining cancers in African children with HIV/AIDS – Kruger M | Cape Town, South Africa |
| 11 September | | University of Western Cape, Biomedical Sciences <ul style="list-style-type: none"> • Invited speaker - Ethics of Research – Kruger M | Cape Town, South Africa |
| 8-11 October | | 47th SIOF Congress of the International Society of Paediatric Oncology (SIOF) <ul style="list-style-type: none"> • Member of the Organising Committee • Invited speaker: <ul style="list-style-type: none"> - The rights of the hospitalised child - Kruger M - Research ethics, regulatory frameworks and cancer research involving children – Kruger M • Conclusion remarks: Advocacy: Advancing the cause of childhood cancer – Kruger M • Session chairs: <ul style="list-style-type: none"> - Pharmacology & Clinical Trials Methodology - Cancer research, clinical trials and ethical challenges in the regulatory framework • Poster presentation collaborations <ul style="list-style-type: none"> - Outcome of brain tumors treated at a single institution between 1987-2013 – Van Zyl A, Netshituni V, Kanyuamuhunga A, Uys R, Hesseling P, Kruger M - Predicting the risk of adverse events in children with febrile neutropenia – validation of a clinical risk assessment tool – Kruger M, Green LL, Van Zyl A. - A Rural Paediatric Cancer Service In Cameroon - A Successful Twinning Project - P. Hesseling PB, F. Kouya, E.E. Mbanga, P. McCormick, P.P. Wharin, K.E. Edouard, P.P. Tih, G. Mbah, R.R. Bardin, P. Achu, L. Burns, M. Kruger | Cape Town, South Africa |
| 15-16 October | | Xth International Conference of Rare Diseases & Orphan Drugs (ICORD) <ul style="list-style-type: none"> • Keynote speaker: The ethics of resource allocation in rare diseases - Kruger M | Mexico City, Mexico |
| 25-28th October | Lawrenson, J Dr | SA Heart Meeting <ul style="list-style-type: none"> • Invited Speaker: <ul style="list-style-type: none"> - Overview of paediatric cardiac failure - Dangers in the Cathlab: the unnoticed and unexpected - Advances in the pathophysiology of Pulmonary Hypertension | Sun City, South Africa |

| Date | Name | Meetings/Conferences | Place |
|-------------------------|-----------------|---|--------------------------|
| 2-6 March | Nel, ED Dr | 4th ESPGHAN Goes Africa Post-Graduate Course in Paediatric Gastroenterology - Organised and was a faculty member | Cape Town, South Africa |
| 27 September -2 October | | Hosted the ESPGHAN Goes Africa Post Graduate Course in Paediatric Gastroenterology | Cape Town, South Africa |
| 24-25 February | Schaaf, HS Prof | Toronto Hospital for Sick Children (SickKids): <ul style="list-style-type: none"> • Guest Lecturer – Pharmacokinetics and doses of antituberculosis drugs in children • Grand Rounds -. New threats from an old foe: the challenges of drug-resistant TB in children Toronto | Toronto, Ontario, Canada |
| 26-28 February | | 19 th Annual Conference, International Union Against Tuberculosis and Lung Disease – North American Region: <ul style="list-style-type: none"> • Meet the Professor • Pharmacokinetics and doses of antituberculosis drugs in children (Invited plenary speaker). | Vancouver BC, Canada, |
| 30 August-2 September | | 5th Conference of the Union Asia Pacific Region: <ul style="list-style-type: none"> • Management of drug toxicity in MDR/XDR-TB. Postgraduate course: Tuberculosis management for advanced clinicians (invited speaker). • Management of drug-resistant TB in children. (Invited speaker). • TB/HIV in children (invited speaker). | Sydney, Australia |
| 3-4 September | | 5th Tuberculosis Control symposium <ul style="list-style-type: none"> • Optimal TB treatment; first and second line drugs. TB-CRE;., | Sydney, Australia |
| 2-6 December | | The 46 th Union World Conference on Lung Health, <ul style="list-style-type: none"> • Managing injectable agents in children with TB: determining injectable duration and responding to adverse events – a case-based discussion. Post-graduate course: Best practices in the management of the second-line injectable drugs in children with multidrug-resistant tuberculosis. • Caring for children with MDR- and XDR-TB. Post-graduate course: Update on clinical and programmatic management of MDR- and XDR-TB • Emerging data on pharmacokinetics of levofloxacin and amikacin informs care and design of new regimens. (Invited speaker) | Cape Town, South Africa |

| Date | Name | Meetings/Conferences | Place |
|--------------|---------------|---|----------------------------|
| | | <ul style="list-style-type: none"> Surveillance of childhood tuberculosis drug resistance in Cape Town, South Africa: increasing rifampicin mono-resistance. (Oral abstract) | |
| 6-7 November | Van Zyl, A Dr | World Federation of Haemophilia GAP/MASAC Education Symposium <ul style="list-style-type: none"> Invited speaker – MUSFIA-PRO international collaborative study | Kempton Park, South Africa |

Part 5 CENTRES

THE CHILDREN'S INFECTIOUS DISEASES CLINICAL RESEARCH UNIT (KID-CRU)

Director: Prof MF Cotton

| Date | Name | Meetings/Conferences | Place |
|--------------------------|-------------|--|--------------------|
| 23 – 26 February | Prof Cotton | CROI 2015 | Seattle, USA |
| 16 April | Prof Cotton | NHLS PathReD Congress Talk: Communicable and Non-communicable diseases | Atlanta, USA |
| 2 – 10 May | Prof Cotton | PENTA 20 • Participant in CIPHER Global Collaboration Meeting | Venice, Italy |
| 2 – 5 June | Prof Cotton | WHO GDG Meeting • Member of Technical Advisory Group for TB (STAG-TB) | Geneva |
| 14 – 20 June | Prof Cotton | IMPAACT Annual Meeting - Member of the primary therapy study group | Washington DC, USA |
| 22 – 27 June | Prof Cotton | Annual AIDS Clinical Trials Group Network Meeting | Washington DC, USA |
| 16 – 18 July | Prof Cotton | 7th International Workshop on HIV Pediatrics • Member of international organizing committee • Chair to session: Management of Pediatric HIV | Vancouver, CA |
| 19 – 23 July | Prof Cotton | IAS Conference – 6th International workshop on Pediatric HIV • Session Chair: Young adults with perinatal HIV infection workshop | Vancouver, CA |
| 30 September – 2 October | Prof Cotton | Tr@inforPedHIV Zambia 2015 • Speaker – TB Global Overview & what's new in Paediatric TB | Lusaka, Zambia |
| 2 – 4 November | Prof Cotton | New Horizons Donations Workshop • Review Committee Member | Gauteng, SA |
| 5 – 8 November | Prof Cotton | FIDSSA Conference • Member of Local Organizing Committee | Kwa-Zulu Natal, SA |
| 18 – 21 November | Prof Cotton | WSPID 2015 Talk: Conducting PID research in regions with high clinical load and variable infrastructure: The South African experience Session Chair: | Rio de Janeiro |

| Date | Name | Meetings/Conferences | Place |
|------------------|-------------|--|---------------|
| | | <ul style="list-style-type: none"> • Outbreak response in Africa in the Ebola era - Session in Collaboration with the AfSPID Society • Oral Presentation 6 - Antimicrobial resistance/Antibiotic control • Antimicrobial resistance/Antibiotic control from | |
| 2 – 6 December | Prof Cotton | 46 th Union World Lung Conference Session Chair: Paediatric TB: IPT, contact tracing and child perspectives | Cape Town, SA |
| 15 – 17 December | Prof Cotton | PENTA EPPICC Meeting | Paris, France |

Ongoing Research Support:

COTTON, MF

ACTIVE

| | | |
|---|---|---------------|
| NIH 5U01AI069521-10 Stellenbosch University Clinical Trial Unit – IMPAACT projects. The major goal is to conduct HIV clinical trials funded through IMPAACT. No overlap with other projects | 12/01/2015 – 11/30/2016 \$1,242,293 | 4.2 calendar |
| USAID 674-A-12-00031; HIV-Innovations for Improved Patient Outcomes in South Africa. The Major goal: Developing and Institutionalizing an Innovative Capacity Building Model to Support South African government Priorities and to Improve HIV/TB Health Outcomes for Priority Populations. No overlap with other projects | 10/17/2012 – 09/30/2017 \$14,999,432 | 0.60 calendar |
| 1R01MH105134-02 Latent reservoir characterization and correlation with neurocognitive function – major goal is to describe latent HIV reservoir in children from the CHER trial and to correlate with neurocognitive outcomes and thymic output. No overlap with other projects | 07/09/2015 – 06/30/2016 \$611,579 | 1.2 calendar |
| 1U01CA200441-01 Characterizing HIV-1 diversity, evolution, and integration sites in children initiating cART in early infection. No overlap with other projects | 05/01/2015 – 04/30/2016 \$171,000 | 0.6 calendar |

Data Management Plan

Opportunities for improvement have been identified during the past year as a result of ongoing Quality Assurance (QA) and Quality Control (QC) activities. This includes SOP and Clinical Skills Training, timely completion of case report files and missed visit follow-up. Corrective actions have been put in place. The Data Management Plan has been modified. The DMP now incorporates all data procedures for FAMCRU studies (IMPAACT and ACTG) and Pharmaceutical studies.

FAMCRU Database Software for Investigator initiated studies

Open Source software is now being used to manage investigator initiated studies at FAMCRU. OpenClinica (Community Edition) 3.1.2 training was provided by Lesley Workman, data manager at UCT Clinical Research Centre on 10 July 2014 at FAMCRU, Ward J8, Tygerberg Hospital. The training covered Study setup, creating CRF's, events and datasets as well as data entry, signing records, managing a study and source data verification. Regular expressions and rules were also discussed. Charise Janse van Rensburg (Data Manager) and Melissa Abels (Data Capturer) attended the training.

2015 Awards and Accomplishments

1. Prof Cotton – NRF A2 Rating – December 2015
2. Prof Cotton – Distinguished Professorship appointment – December 2015.
3. Prof Cotton – Appointment at WHO for Strategic and Technical Group for TB and HIV/AIDS Advisory Board Member (STAG-TB & (STAC/HIV)
4. Dr Steve Innes received a 5 year grant of \$1.6 million from the NIH for the RO1 study.
5. Thandi Hamana - Post Graduate Diploma in HIV/AIDS Management, Stellenbosch University
6. Liani Smit - Elected to serve on TAG Community Research Advisors Board

Training and Development

Weekly teachings and presentations are being held on different work related aspects and guest speakers have been invited. This can be viewed on

G:\PERSONEEL\PEDIAT\KIDCRU\Training\Weekly training\Weekly training\Teaching 2015 presentations

Current Studies

Pharmaceutical

a) APV 20002 = Marchalaine

A 48 Week Phase II, Open-label, 2 cohort, Multi-centre study to evaluate the pharmacokinetics, safety, tolerability, and antiviral activity of GW433908 and GW433908/RTV when administered to HIV-1 infected Protease Inhibitor (PI) Naïve and PI – experienced pediatric subjects aged 4 weeks to < 2 years.

Duration: 17 March 2008 – continue

Screened = 28 and Enrolled = 23

Sponsor: GlaxoSmithKline

b) BMS Prince I = Marchalaine

A Prospective Single Arm, Open-label, International, Multicenter Study to Evaluate the Safety, Efficacy and Pharmacokinetics of Atazanavir (ATV) Powder Boosted with Ritonavir (RTV) Liquid with Optimal an optimized NRTI Background Therapy, in HIV Infected Pediatric Patients Greater Than or Equal to 3 months to Less Than 6 Years. (Pediatric Atazanavir International Clinical Evaluation: the PRINCE I study)

Duration: 1 February 2011 + ongoing

Screened = 25 and Enrolled = 15

Sponsor: Bristol Myers Squibb

c) BMS – Prince II = Marchalaine

A Prospective Single Arm, Open-label, International, Multicentre Study to Evaluate the Safety, Efficacy and Pharmacokinetics of Atazanavir (ATV) Powder boosted with Ritonavir (RTV) Liquid with an Optimized NRTI Background Therapy, in HIV Infected, Antiretroviral, Naive and Experienced Pediatric Subjects Greater Than or Equal to 3 Months to Less Than 8 Years (Pediatric Atazanavir International Clinical Evaluation: the PRINCE II study)

Duration: 1 November 2011- still recruiting

Screened = 38 and Enrolled = 24

Sponsor: Bristol Myers Squibb

d) BMS Prince III = Marchalaine

Prospective Single Arm, Open-label, International, Multicenter Study to Evaluate the Safety of Atazanavir (ATV) Capsule Boosted with Ritonavir (RTV) with an Optimized NRTI Background Therapy, in HIV Infected, Antiretroviral Naive and Experienced Pediatric Subjects Greater Than or Equal to 6 Years to Less Than 18 Years

Duration: 1 February 2014 + ongoing

Screened = 5 and Enrolled = 5

Sponsor: Bristol Myers Squibb

e) Gilead 236-0112 (QUAD Study) = Anita

A Phase 2/3, Open-Label Study of the Pharmacokinetics, Safety, and Antiviral Activity of the Elvitegravir/ Cobicistat/Emtricitabine/Tenofovir Disoproxil Fumarate Single Tablet Regimen (STR) in HIV- Infected Antiretroviral Treatment-Naive Adolescents Treatment-Naive Adolescents

Duration: July 2014

Screened = 4 and Enrolled = 1

Sponsor: Novartis

f) Medimmune – Marchalaine

A Phase 1b/2a Randomized, Double-Blind, Placebo-Controlled, Dose-Escalation Study to Evaluate the Safety, Tolerability, and Pharmacokinetics of MEDI8897, a Monoclonal Antibody with an Extended Half-Life Against Respiratory Syncytial Virus, in Healthy Preterm Infants

Duration: July 2015

Screened = 58 and Enrolled = 41

Sponsor: Medimmune

g) VPM - Anita

Phase II double-blind, randomized, controlled study to evaluate the safety and immunogenicity of VPM1002 in comparison with BCG in HIV-exposed and HIV-unexposed, BCG-naive new born infants

Duration: Aug 2015

Screened = 63 and Enrolled = 38

Sponsor: VPM

h) RSV – Marchalaine

A phase 3, Randomized, observer-Blind, Placebo-Controlled, Group-Sequential Study to Determine the Immunogenicity and safety of a Respiratory Syncytial Virus (RSV) F Nanoparticle Vaccine with Aluminum in Healthy Third –trimester Pregnant Women; and Safety and Efficacy of Maternally Transferred Antibodies in Preventing RSV Disease in their Infants.

Duration: Jan 2016

Screened = 21 and Enrolled = 15

Sponsor: Tricillium

i) BMS – Ciska

A Multi-arm, Phase 3, Randomized, Placebo Controlled, Double Blind Clinical Trial to Investigate the Efficacy and Safety of BMS-663068 in Heavily Treatment Experienced Subjects Infected with Multi-drug Resistant HIV-1

Duration: Jan 2016

Screened = 2 and Enrolled = 0

Sponsor: BMS

j) Gilead - Anita

A Phase 2/3, Open-Label, Multi-Cohort Switch Study to Evaluate Emtricitabine/Tenofovir Alafenamide (F/TAF) in HIV-1 Infected Children and Adolescents Virologically Suppressed on a 2-NRTI-Containing Regimen

Duration: Jan 2016

Screened = 0 and Enrolled = 0

Sponsor: BMS

k) GSK - Ciska

A Randomized 11b randomised, open- label study of the safety and efficacy of Dolutegravir or Efavirenz, each administered with two NRTIs in HIV-1- infected antiretroviral therapy-naïve adults starting treatment Rifampicin-sensitive tuberculosis.

Duration: Jan 2016

Screened = 0 and Enrolled = 0

Sponsor: BMS

Investigator initiated

a) R01 + R21 = Barbara

The effects of early versus delayed antiretroviral treatment on the short and long – term neurodevelopment outcome of HIV – Infected children.

Duration: September 2011

Enrolled = 183

Sponsor: Massachusetts General Hospital

b) DNDiHIVPed001– Anita

The study is looking at the drug levels of anti HIV/TB in the blood of children that are co - infected with HIV and TB. It also looks at the safety and how children tolerate the anti HIV/TB drugs while they are on treatment. For the study children need to weigh between 3 kg and 15 kg.

Duration: January 2013 - 2014

Screened = 60; Enrolled = 45

Sponsor – DNDI

c) Collaborative HIV Paediatric Study (CHIPS) subanalysis = Steve

The study database is from a multicentre cohort study of all known HIV-infected children in the United Kingdom (UK). This subanalysis looks at the prevalence and risk factors for lipoatrophy and lipohypertrophy in this cohort over 12 years.

Duration: March 2013 -

Screened = 1791; Enrolled = 1350

Sponsor – None

d) Non-infectious Chronic Diseases in Children on ART = Steve

This study aims to identify the most common and clinically relevant non-infectious chronic disease patterns (cardiovascular, metabolic, respiratory, renal and bone disease) in HIV-infected children on ART.

Duration: July 2013 -

Screened & Enrolled = 135

Sponsor – Collaborative Initiative for Paediatric HIV Education and Research (CIPHER), Fogarty International Clinical Research Fellowship + The University of California San Diego Centre for AIDS Research

f) Lipoatrophy screening tool validation study = Steve

This study aims to validate the various simple anthropometric measurements to screen for pre-clinical lipoatrophy in children on ART, including biceps skin-fold thickness.

Duration: January 2013

Screened = 230 Enrolled = 214

Sponsor – GSK-Viiv Foundation Seed Fund

g) Intracellular concentrations of stavudine-triphosphate after administration of half-dose stavudine in children and adults Children on ART = Steve

This study will check whether the children have the same amount of stavudine inside their blood cells as the adults do when taking half the original standard dose. If they do then we can be confident that the low dose will fight HIV in children as well as it does in adults, allowing the recommended children's dose to be reduced. Using a smaller dose of stavudine will substantially reduce the frequency and severity of side effects, making the drug much safer for children in the developing world to use.

Duration: January 2014 – December 2015

Screened = 52 Enrolled = 40

Sponsor – Bill & Melinda Gates Foundation Global Health Research Grant.

IMPAACT

a) P1106 = Joan

Pharmacokinetic characteristics of antiretroviral and tuberculosis medicines in low birth weight infants.

Duration: Aug 2015

Screened = 54 and Enrolled = 22

Sponsor: IMPAACT

b) P1070 = Joan

P1070 is a study looking at using an antiretroviral called efavirenz in children less than 3 years of age. Efavirenz is a type of antiretroviral known as a non-nucleoside reverse transcription inhibitor (NNRTI). It is presently not registered for use in children < 3 years. This study will look at the correct dose needed in infants and children and will also look at the safety and efficacy of efavirenz.

It is also looking at giving efavirenz to children who need TB treatment in addition to ARVs. Inclusion age criteria: ≥ 3 months to ≤ 3 years.

Duration: 16 March 2010 - current

Screened = 200 and Enrolled = 17

Sponsor: IMPAACT

c) P1060 = Joan

This is a study comparing the response to 2 ARV regimes of HIV infected infants who have and have not previously received a single dose of Nevirapine for the prevention of mother – to – child – transmission.

Duration: November 2008 – continue

Screened = 130 and Enrolled = 89

Sponsor: IMPAACT

- d) **P1084** = Jeanne
Maternal and Infant Monitoring for Evidence of Toxicity Related to Tenofovir Exposure: The Bone and Kidney Health Substudy of the IMPAACT 1077 PROMISE Protocol (Promoting Maternal and Infant Survival Everywhere)
Duration: May 2011 - continue
Screened = 35 and Enrolled = 35
Sponsor: IMPAACT
- e) **P1077** = Jeanne
The 1077 protocol is designed to address in the integrated and comprehensive fashion 4 critical questions currently facing HIV infected pregnant and postpartum women and their infants.
Duration: May 2011 – continue
Screened = 243 and Enrolled = 138
Sponsor: IMPAACT
- f) **P1113** = Anita
Phase I/II, safety immunogenicity study of a recombinant protein tuberculosis vaccine (AERAS-404) IN BCG-primed infants
Duration: July 2013 - 2015
Screened = 56 and Enrolled = 42
Sponsor: IMPAACT
- h) **P1104** = Joan
Longitudinal Developmental and Neuropsychological Assessments of HIV-Infected participants of P1060 and HIV- Uninfected Controls
Duration: 25 October 2013
Screened = 161 and Enrolled = 142
Sponsor: IMPAACT
- h) **P1026** = Jeanne
Pharmacokinetic properties of antiretroviral drugs during pregnancy
Duration: July 2014
Screened = 19 and Enrolled = 19
Sponsor: IMPAACT
- i) **P1101** = Joan
Phase I/II dose finding study to determine the safety, tolerance, drug-drug interaction and pharmacokinetics of Raltegravir containing antiretroviral therapy (ART) regimen in ART-Naïve HIV-Infected and TB Co-infected children ≥ 3 years to < 12 years of age.
Duration: October 2014
Screened = 4 and Enrolled = 2
Sponsor: IMPAACT
- j) **Reservoir** – Anita
Latent reservoir characterization and correlations with neurocognitive function
Duration: November 2014

Screened = 148 and Enrolled = 148

Sponsor: NIH

k) P1093 = Anita

Phase I/II, Multi-Center, Open-Label Pharmacokinetic, Safety, Tolerability and Antiviral Activity of GSK1349572, a Novel Integrase Inhibitor, in Combination Regimens in HIV-1 Infected Infants, Children and Adolescents

Duration: July 2014

Screened = 5 and Enrolled = 1

Sponsor: IMPAACT

l) P1078 = Jeanne

A randomized double – blind placebo – controlled trial to evaluate the safety of immediate (antepartum – initiated) versus deferred (postpartum – initiated) isoniazid preventive therapy among HIV – infected woman in high TB incidence settings.

Duration: January 2015

Screened = 108 and Enrolled = 108; Sponsor: IMPAACT

m) A5288 = Ciska

Management Using the Latest Technologies in Resource-limited Settings to Optimize Combination Therapy After Viral failure (MULTI-OCTAVE)

Duration: June 2015

Screened = 27 and Enrolled = 20

Sponsor: ACTG

n) P1115 = Joan

Very early intensive treatment of HIV- infected infants to achieve HIV remission: A Phase I/II proof of concept study

Duration: Nov 2015

Screened = 6 and Enrolled = 1

Sponsor: IMPAACT

o) P1101 = Joan

Phase I/II Dose – finding, safety, tolerance, drug – drug interaction and pharmacokinetics study of a Raltegravir – containing antiretroviral therapy (ART) regimen in ART- naive HIV- infected and TB co-infected children ≥ 3 years to < 12 years of age.

Duration: Oct 2014

Screened = 4 and Enrolled = 2

Sponsor: IMPAACT

p) P1112 = Jeanne

Open-Label, Dose-Escalating, Phase I Study to Determine Safety and Pharmacokinetic Parameters of Subcutaneous (SC) VRC01, a Potent Anti-HIV Neutralizing Monoclonal Antibody, in HIV-1-Exposed Infants.

Duration: January 2016

Screened = 2 and Enrolled = 2

Sponsor: ACTG

SOUTH2SOUTH PROGRAMME FOR COMPREHENSIVE FAMILY HIV CARE & TREATMENT

Director: Dr IO Oluwatimilehin

1. Two poster presentations were presented at the 7th SA AIDS Conference 2015 in Durban:
 - a. Chirowodza A, van der Walt K & Cotton M. Measuring organizational quality improvement (qi) maturity in facilities working towards elimination of mother to child transmission in 3 provinces in South Africa
 - b. Engelbrecht J, Williams D, Qwabe S & Chirowodza A. The implementation and effects of an antiretroviral (ART) adherence tracking tool for primary health care in the Eastern Cape Province
2. Three Oral presentation at 5th Sustainable Rural Health Research Days, 18th-19th March 2015, Worcester.
 - a. Chirowodza, A. (2015). Training needs assessment of primary health care workers involved in HIV/TB care treatment & support of mothers, infants, children and adolescents. Oral presentation presented at the 5th Sustainable Rural Health Research Days, 18th-19th March 2015, Worcester.
 - b. Diegaardt, C; Brittin, K & A. Chirowodza. (2015).The impact of a quality improvement collaborative (QIC) on the uptake of postnatal visit six days after delivery in three sub districts in the Cape Winelands District. Oral presentation presented at the 5th Sustainable Rural Health Research Days, 18th-19th March 2015, Worcester.
 - c. Louw, C. (2015). Stakeholder Perceptions on the Effectiveness of a PMTCT Quality Improvement Collaborative in the Western Cape. Oral presentation presented at the 5th Sustainable Rural Health Research Days, 18th-19th March 2015, Worcester.
 - d. Brittin, K. (2015). Barriers and enablers of Implementation of Baby Friendly Health Initiatives in Rural South Africa. Oral presentation presented at the 5th Sustainable Rural Health Research Days, 18th-19th March 2015, Worcester
3. S2S participated in the PATA (Paediatric AIDS Treatment for Africa Network) review of the National Department of Health Community health worker Guidelines.
4. S2S participated in the Eastern Cape Provincial Department of Health PMTCT stock taking exercise.
5. S2S participated in the Western Cape Provincial Department of Health PMTCT guideline review.
6. S2S participated in the "Drs as change agents' module "undergraduate training curriculum for 5th year medical students from 14 - 16 January 2015 and assessment for 4th year Medical students.

7. Newly introduced 3 months 'Management of Paediatric, Adolescent HIV and TB course' was launched with 9 out of 10 participants graduating from the first course. Two courses were conducted in the year 2015 with a total of 29 participants.
8. Facilitated training on S2S tools and National Paediatric HIV policies for 11 Nurse Mentors from the Small projects foundation in Eastern Cape. They are a privately funded organization who provide mentoring for community care workers and nurses in the government facilities in the Eastern Cape.
9. PMTCT desk reference distributed to clinic staff for the first time. Positive feedback
10. Trained Community Care Workers in the Cape Winelands District on PMTCT and Infant Feeding
11. We hosted a workshop at the request of the Western Cape Provincial Department of Health to conceptualize a Prevention of Mother to Child Transmission (PMTCT) checklist for district coordinator visits.
12. We updated the PMTCT desk reference to reflect the latest National Department of Health policies.
13. The final Holding the gains Quality Improvement workshop were held in Worcester for the Breede Valley, Langeberg en Witzenberg districts on the 5 June 2015 - 43 Western Cape Department of Health staff attended this workshop.
14. IMCI project: The first Child Health Forum were held in East London for the Amatole district on 24th June 2015 - 57 Eastern Cape Department of Health staff attended the forum.
15. South2South Program participated in reviewing and signing off on Paediatric TWG Terms of Reference at the National level.
16. S2S Supported Western Cape Undergraduate IMCI seminar
17. Facilitated IMCI session for SUN Clinical Nurse Practitioner students
18. Facilitated sessions on Care and Management of ART (CMART) for nurses
19. South2South made a presentation on EMTCT Collaboratives result through PHFS Webinar
20. Facilitated first QI: Taking the Lead course for the Cape Winelands
21. S2S concluded the demonstration phase of the EMTCT Collaboratives in 55 Health Facilities in the Eastern Cape, Western Cape, and Northern Cape.
22. Conducted feedback session on EMTCT Quality Improvement Collaboratives findings in Pixley Ka Sema (Northern Cape), Mnquma (Eastern Cape); Cape Winelands(Western Cape)
23. South to South in partnership with the Institute for Healthcare Improvement (IHI) implemented a two-day Implementation Science Research workshop on the 14th and 15th of July 2015. The workshop theme was "Integrating research and practice for Health System Leaders and Partners". Fifty seven delegates participated in the workshop from various organizations including the National Department of health, Stellenbosch University, University of Cape Town as well as PEPFAR partners & USAID.

24. Under the S2S IMCI Project, coaching support was provided to District and sub-district managements. The Team conducted an IMCI PSS and Counselling training in Amatole District in September 2015 for 60 Healthcare workers.
25. Working with Eastern Cape Regional Training Centre on conducting Master training on Paediatric and Adolescent HIV and TB management course for trainers.
26. South2South participated in PMTCT Technical Working Group Meeting & Paediatrics Technical Working Group Meetings at National Level.
27. South2South awarded Bursaries to three recipients (1PhD & 2 Masters Candidates) with formal award ceremony held on 2nd October, 2015.
28. South2South conducted Amatole District Entry Meeting where Roll out of activities and achievements were discussed; and stakeholder buy-in obtained.

DESMOND TUTU TB CENTRE (DTTC)

Director: Prof N Beyers

1. Sharon Mbaba, Anelet James, Nomtha Mandla, Vikesh Naidoo, Rory Dunbar, Bli Yang, Kerry Nel and Karen du Preez graduated from the DTTC Management and Leadership Development Program in an award ceremony held 15 & 16 July 2015.
2. Refurbishment at Site C was finalized 4 July 2015.
3. A new unit was installed at Brooklyn Chest Hospital (BCH) and will be the admin wing. It will be named after Professor Peter Donald, while the clinical wing will be named after Prof Simon Schaaf
4. The Paediatric team collected and handed over books, toys and warm clothing and a floor mat to the children at BCH on Wednesday, 22 July 2015.
5. Tony Garcia-Prats participated in the DOH message design workshop on 23rd July 2015 for the tv programme, Soul City.
6. Paediatric study coordinator, Debbie Myburgh performed in the Faculty Gala Concert in the Otto Lamprechts Auditorium in Parow, 04 September 2015.
7. The 9th International Child TB Training Course was held at Goudini Spa from 28 September to 02 October 2015.
8. Two DTTC researchers, Lyn Horn and Sue-Ann Meehan were selected as visiting researchers at the Brocher Foundation, Switzerland.
9. DTTC staff members participated in the Annual Stellenbosch University Sports Day at the Coetzenberg Stadium on 13 November 2015 and won the trophy as overall winner.
10. The first Paediatric CAB Meeting was held 14 November, followed by a CAB retreat 18-20 November 2015.
11. The Paediatric team participated in "The Amazing Race", team-building event and picnic at Greenpoint Park, 27 November 2015.
12. Rory Dunbar received the HB & MJ Thom Award and will use the funds to travel to Liverpool in 2016 to work with Ivor Langley.
13. Paediatric staff presented their work and findings at the Annual Desmond Tutu TB Centre Dissemination Meeting, at Kronenburg Wine Estate in Paarl on 10 December 2015 to an audience of over 500 guests.
14. The book entitled, "The Handbook of Child & Adolescent Tuberculosis" co-authored by Prof Peter Donald is published by Oxford University Press.
15. Funding/Grants awarded:
 - Grant award:** \$100 000
 - Name of person:** Sue-Ann Meehan
 - Funding/Grant Body:** CDC
 - Name of Study:** COMAPP Target5000
 - Date:** 27 May – 30 September 2015

Grant award: R15000
Name of person: Sue-Ann Meehan
Funding/Grant Body: Stellenbosch University Early Research Career grant
Name of Study: PhD – statistical support
Date: 2015

Grant award: R30 000

Name of person: Margaret van Niekerk & Zamikhaya Ndiki

Funding/Grant Body: SU Dean Scientific Travel fund

Name of Study: COMAPP FMP

Dates: 25 June 2015

Funding/Grant body: NIH (R01)

Name of study: Optimizing and operationalizing paediatric drug-resistant tuberculosis treatment

Dates: 2015-2019

(funding decision pending)

Name of person: Sue-Ann Meehan

Funding/Grant body: SURMEPI (SU)

Name of study: Increasing access to community-based HIV counselling and testing (HCT) for first time testers

Dates: January – December 2015

Amount: R 100 000

Name of person: Lienki du Plessis and Adrie Bekker

Funding/Grant body: Harry Crossley

Name of study: Clinical characteristics and Referral outcomes of children with hospital diagnosed TB at a district hospital in Cape Town.

Dates: February – June 2015

Name of person: Anneke Hesseling

Funding/Grant body: BMRC/Wellcome Trust

Name of study: TB Champ

Dates: April 2015 – March 2018

Name of person: Lienki du Plessis/Karen du Preez

Funding/Grant body: URC, USAID TB Programme, South Africa

Name of study: TB Kids e-Training

Dates: January 2015

Name of person: Anneke Hesseling

Funding/Grant body: VPM

Name of study: VPM1002-ZA-2.13TB

Dates: September 2014 – March 2016

Name of person: Anneke Hesseling

Funding/Grant body: TB Alliance

Name of study: Expert TB evidence synthesis

Dates: April 2015-March 2016