

Solomon Islands Government Ministry of Education and Human Resource Development

Digest of Education Statistics 2005

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Executive Summary

The Solomon Islands education system is currently undergoing significant restructuring and reform in response to needs identified through the development of the Education Sector Investment and Reform Program (ESIRP) and the Education Strategic Plan (ESP). The 2005 Education Statistics Report provides an overview of key indicators of progress along this path, with the data gathered for 2005 providing a baseline for monitoring future expansion and change in the sector. The report also presents general information about the sector that will be useful for the various stakeholders involved in the implementation of the ESIRP, and for day to day management and delivery of education in the Solomon Islands

Section One: Overview of Education Statistics

Section One of this report presents high level summary statistics about the education system. This includes an overview of the number of schools, students and teachers in the Solomon Islands education system.

Section Two: Report on the Education Sector Monitoring and Evaluation Indicators

Section two provides reports for the current year against the MEHRD sector level indicators of access, quality and efficiency in education service delivery. These indicators were developed at the Annual Joint Review of the Education Sector Investment and Reform Program (ESIRP) in June, 2004. The indicators serve as the sector level monitoring and evaluation framework, to assist MEHRD Officers, Education Authorities, Donor Partners and other Education Sector Stakeholders with evaluating progress towards the goals and objectives of the ESIRP. The indicators are grouped according to three monitoring areas: access, quality and efficiency.

Section Three: Province Summary Report

Section three provides further detail about the schools, students and teachers within each Province. The information in this section is disaggregated according to the Education Authorities operating in each Province.

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The MEHRD Annual School Census

The statistics presented in this report have been gathered from the schools of the Solomon Islands through the Annual School Census. Additional data has also been collected from the National Statistics Office (population data and projections) and the Ministry of Finance (financial and budget figures).

School survey data once received at the Ministry of Education and Human Resource Development is collated and analysed using the Solomon Islands Education Management Information System (SIEMIS).

SIEMIS is a rich database of information about the schools, students and teachers of the Solomon Islands education system. If you would like more information about the Solomon Islands education system, or more detailed information about an aspect of the system, please contact the Planning, Coordination and Research Unit of the Ministry of Education and Human Resource Development.

Section One: Overview of Education Statistics

Our Schools

There are five types of schools operating in the formal education system of the Solomon Islands: Early Childhood Education Centres (ECEs), Primary Schools (PS), Community High Schools (CHS), Provincial Secondary Schools (PSS) and National Secondary Schools (NSS).

Early Childhood Education (ECE) centres are the first introduction to formal schooling for most Solomon Islanders. ECE centres, also known as Kindergartens, tend to be community or village-based.

Currently formal education commences in Primary schools at the preparatory grade, for children aged six years. The purpose of Primary education is to introduce children to the skills needed for writing, reading, mathematics, community studies, science, agriculture, art, music, physical education and Christian education.

Secondary education follows after Primary schooling and continues for three (to Form 3), six (to Form 6), or, for a small number, seven years (to Form 7). The purpose of secondary education is to expand knowledge of subjects already studied at primary school including literature, science, mathematics, social studies, commerce and other subjects essential for physical and intellectual development and to prepare students for specialised skills training.

In the Secondary school system, there are 3 categories of schools:

National Secondary Schools (NSS): These schools are the original High Schools operated by the Government and the Churches; their student enrolments come from across the country.

Provincial Secondary Schools (PSS): These schools were initiated by the Government but run by the Provinces; their student enrolment should be restricted to the provinces only.

Community High Schools (CHS): These schools started as Primary schools and the secondary sections were added on. The school is built and managed by the Communities and assisted by the Church or Provincial Education Authorities

No. of Schools by Type, 2003 - 2005.

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Chart of Number of Schools by Type, 2003 - 2005.

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Average Number of Pupils, Average Number of Teachers and Average Classroom¹ Size by School Type, 2005.

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Number of Schools by Education Authority and Type

Our Students

Early Childhood Education

ECE centres are designed for pre-schooling for children aged 3 - 5 years. In practice, however, many children remain in Kindergarten beyond 5 years of age, before going on to start Primary School. Other children start ECE when they are older than 5.

Kindergarten (ECE) Enrolments by Gender, 2003 - 2005.

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Chart of ECE Enrolment Numbers, 2003 - 2005.

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ECE Enrolments by Age and Gender, 2005.

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Primary Education

Currently the seven years of primary schooling (Preparatory to Standard Six) are the official 'basic education' program of the Solomon Islands. A child is expected to commence at the age of six or seven and continue for seven years.

Primary Enrolments by Class Level and Gender, 2003 - 2005.

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Chart of Primary Enrolments, 2003 - 2005.

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Primary Enrolments by Age and Gender, 2005.

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Secondary Education

Entry into secondary school is highly competitive, with students admitted to Form 1 on the basis of their performance in the Solomon Islands Secondary School Entrance Examination (SISSEE). The official entry age for Form 1 is 13 years. All students enrolled in Form 1 study the same curriculum for the first 3 years of secondary school in preparation to sit the Form 3 Examination. Places in upper secondary are allocated on the basis of performance in end of year examinations, with fewer and fewer places available at each more senior level of schooling.

Secondary Enrolments by Class Level and Gender, 2003 - 2005.

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Chart of Secondary Enrolments 2003 - 2005.

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Secondary Enrolments by Age and Gender, 2005.

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Total Enrolments for 2005 by Class Level, Education Authority and Gender.

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Proportion of Enrolments by Education Authority and School Level

Total Enrolments for 2005 by School Type, Class Level and Gender Error! Not a valid link.

Our Teachers

Early Childhood Education Teachers

Summary of ECE Teachers, 2005.

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Number of ECE Teachers by Province and Gender, 2004 - 2005.

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Number of ECE Teachers by Education Authority Type and Gender, 2004 - 2005.

Primary School Teachers

Summary of Primary School Teachers, 2005.

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Number of Primary School Teachers by Province and Gender, 2004 - 2005.

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Number of Primary School Teachers by Education Authority Type and Gender, 2004 – 2005.

Secondary School Teachers

Summary of Secondary School Teachers, 2005.

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Number of Secondary School Teachers by Province and Gender, 2004 - 2005.

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Number of Secondary School Teachers by Education Authority Type and Gender, 2004 – 2005.

Education Sector Monitoring and Evaluation Indicators

Access One and Two: Gross and Net Intake Rates

Gross Intake Rate: new entrants into Primary Standard 1, regardless of age, expressed as a percentage of the official primary school entry-aged population (6 year olds).

Net Intake Rate: Number of new entrants into primary Standard 1 who are of the official primary school entry age, expressed as a percentage of the official primary school entry-aged population.

GPI: Gender Parity Index. The GPI shown in each column is the ratio of the value for females over the value for males. A GPI of 1 indicates equal values for females and males. GPI less than 1 indicates the value for females is less than the value for males.

Population data used in this report has been supplied by the National Statistics Office. These are projections derived from the 1999 Census data.

Gross Intake Rate
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New intake to Prep by Age

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New intake to Prep by Gender

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New intake to Prep by Gender

Access Three and Four: Gross and Net Enrolment Ratios

Gross Enrolment Ratio: Number of pupils enrolled in a given level of education, regardless of age, expressed as a percentage of the population in the relevant official age group. GER values greater than 100% indicate the presence in the school system of pupils outside the official age range. This is caused by pupils starting school late, and/or high repetition rates

Net Enrolment Ratio: Number of pupils in the official age group for a given level of education expressed as a percentage of the total population in that age group. NER values cannot exceed 100%. NER values less than 100% indicate students of the appropriate age range not attending school. this may be caused by pupils who drop out, or who never attend school.

Early Childhood Education Gross and Net Enrolment Ratios¹

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Primary Gross and Net Enrolment Ratios

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Secondary Gross and Net Enrolment Ratios

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Detail Enrolment Data By Age, 2005.

Access Five: Percentage of Children with Disabilities in Schools

Percentage of disabled pupils, by school type

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Types of Disabilities and their Prevalence Amongst the Student Body Error! Not a valid link.

Chart of Prevalence of Different Disability Types

Quality Six and Seven: Percentage of Qualified and Certified Teachers

Quailified Teachers: Teachers having the required academic qualifications to teach. Currently, the minimum qualification is Form 5 for Primary teachers, and Form 6 for secondary teachers.

Qualified Teachers

Certified Teachers

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Teachers by Province

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Teacher Certification by Age Group

Quality Eight: Pupil Teacher Ratio

The average number of pupils in a class.

Pupil Teacher Ratio by Education Level

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Pupil Teacher Ratios by Education Level for each Province

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Quality Nine: Percentage of pupils having reached Standard 6 of primary schooling who master a set of nationally defined basic learning competencies (SISTA).

Pupils attaining standard (%)

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Quality Eleven: Pupil to Classroom Ratio1

The average number of pupils per classroom.

Pupil to classroom ratio, by school type

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Classroom area per pupil (m2), by school type

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Average Primary School classroom size, area per pupil (m2), and pupil to classroom ratios, by Province, 2005.

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Average Secondary School classroom size, area per pupil (m2), and pupil to classroom ratios, by Province, 2005. Error! Not a valid link.

Quality Twelve: Pupil to Textbook Ratio

The average number of pupils per textbook

Pupil to textbook ratio, by school type

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Pupil to textbook ratio by school type and Province, 2005

Quality Thirteen: Pupil to Toilet Ratio

The average number of pupils per flush toilet, pit latrine, or water seal toilet.

Pupil to toilet ratio

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Pupil to toilet ratio by school type and Province.

Quality Fourteen: Pupil to Dormitory Ratio

The average number of boarding students per dormitory.

Pupil to dormitory ratio

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Dormitory Facilities by Gender

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Pupil to dormitory ratio by Province, 2005.

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Chart of Pupil to Dormitory Ratio by Province, 2005.

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Quality Fifteen: Percentage of Schools with Access to Clean and Safe Water

Clean and safe water is defined as the provision of Piped water and/or a tank, and/or access to well with drinkable water, where available water sources and equipment are considered to be in Good or Fair condition (or condition unrecorded).

Percentage of schools with access to clean and safe water¹, by school type.

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Percentage of schools with access to clean and safe water by school type and Province, 2005.

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Chart of Percentage of Schools with Access to Clean and Safe Water by Province.

Efficiency Sixteen and Seventeen: Public Current Expenditure on Education

Indicator 10a expresses public current expenditure on primary education as a percentage of GNP.

Indicator 10b expresses public current expenditure on primary education per pupil as a percentage of GNP per capita. This provides an indication of the cost of educating on primary pupil for one year in the context of per capita share in GNP in that year.

Enrolment numbers used on this page are estimates that attempt to account for missing data in the annual survey by using the most recent values supplied by those schools that did not return a survey in 2004.

Expenditure as % of GNI

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Expenditure per pupil as % of GNI per capita

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Cost per pupil, by sector

Efficiency Eighteen: Public Expenditure on Education

Public Expenditure on Primary Education as a Percentage of Total Public Expenditure on Education: The first of this series of indicators (12a) measures the relative priority given to primary education within overall public expenditure on education.

Public Expenditure on Education as a Percentage of Total Expenditure: Measures the relative priority given to education as a whole within the overall national expenditure.

Public Expenditure on Secondary and Tertiary Education as a Percentage of Total Public Expenditure on Education: Indicator 12c is a similar measure to 12a, this time considering the relative priority given to secondary and tertiary education within overall public expenditure on education.

Per Pupil Annual Recurrent Unit Expenditures: Measures the per pupil costs of education at each education sector, taking into consideration all recurrent expenditure on education at a given level of the system and dividing this figure by the number of pupils enrolled at that level.

The units costs for a pupil completing primary, secondary and tertiary education schooling: As an extension of 12d, indicator 12e calculates the cost of sending one pupil to school for the duration of Primary, Secondary and Tertiary. This is calculated by multiplying the unit cost of education at each level and multiplying this by the average number of years required for each pupil to complete schooling at that level.

Expenditure by sector (% of total education expenditure)

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Proportion of Education Expenditure by Sector, 2005.

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Expenditure on education (% of total government expenditure)

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Per Pupil Annual Recurrent Unit Expenditures, by sector

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Efficiency Nineteen: Repetition Rates by Class

Percentage of pupils from a cohort enrolled in a given class level who re-enroll in that same class level in the following school year.

Repetition Rates by level and gender, 2003-2004

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Enrolments in schools included in repetition rate calculation¹

Efficiency Twenty and Twenty-One: Primary Survival Rates

Survival Rate to Std 4 (Std 6): Percentage of students who enroll in Primary school who reach std 4 (Std 6)

Indicators 20–22 are derived using the **Reconstructed Cohort** method. This technique simulates the movement of students throughout the whole primary system, using only data from two successive years. Specifically, Repetition, Promotion and Dropout rates are calculated at each level from enrolments and repeaters numbers in the two years.

The **level-to-level survival rate** (ie Prep-Std 1, Std 1 to Std 2 etc) is calculated from the Repetition and Promotion Rates for the Base level, by considering not only pupils who proceed to the next level without repetition, but also those who proceed after repeating one to or three times. The Survival Rate to Std 4 is the product of the level-to-level survival rates for Prep, Std 1, Std 2 and Std 3.

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Survival Rates by level, 2004

Efficiency Twenty-two: Co-efficient of Efficiency

Coefficient of efficiency: Ideal number of pupil years needed for a cohort to complete the primary cycle (ie 7, including Prep), expressed as a percentage of the actual number of pupil years.

The coefficient of efficiency provides a succinct measure of the efficiency of the primary education system; that is, the quantity of "inputs" needed – ie pupil-years of education – to produce a tangible educational "output" – ie a primary graduate.

The co-efficient of efficiency can be derived from Repetition and Promotion Rates calculated from two successive years' of data. However, we cannot use the calculated Promotion Rate from Std 6 to Form 1 to measure the percentages of Std 6 enrolments who complete that level, since acceptance into Form 1 is limited by competitive examination. We use instead a linear extrapolation of the promotion rates for earlier primary levels.

Coefficient of efficiency for primary

Efficiency Twenty-three: Transition Rate from Standard 6 to Form 1.

Transition Rate from Standard 6 to Form 1: The percentage of students enrolled in Standard 6 who went on to Form 1 the following year.

Transition Rate from Standard 6 to Form 1

Central Province

All of the schools in Central Islands Province come under the authority of the Central Islands Provincial Government. There are no National Secondary Schools in the Province. Data about ECE teachers is not available for 2003.

No. of Schools by Type, 2003 - 2005

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Chart of Central Province Enrolments by School Type 2003 - 2005.

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Central Province Enrolments by School Type and Gender, 2003 - 2005

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Central Province Enrolments by Sector and Gender, 2003 - 2005

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Central Province Number of Teachers by School Type and Gender, 2003 - 2005

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Central Province Number of Teachers by Sector and Gender, 2003 - 2005

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Central Province Percentage of Certified Teachers by Sector and Gender, 2003 - 2005

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Central Province Percentage of Qualified Teachers by Sector and Gender, 2003 - 2005

Choiseul Province

The schools of Choiseul Province come under the authority of three Education Authorities: Choiseul Provincial Government, the Seventh Day Adventist Church, and the United Church. Choiseul Province Number of Schools by School Type and Education Authority, 2003 – 2005. Error! Not a valid link.

Choiseul Province Chart of Schools by School Type, 2003 - 2005.

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Choiseul Province Enrolments by School Type, Education Authority, and Gender 2003 - 2005.

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Choiseul Province Enrolments by Sector, Education Authority and Gender, 2003 - 2005

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Choiseul Province Number of Teachers by School Type, Education Authority and Gender, 2003 - 2005

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Choiseul Province Number of Teachers by Sector, Education Authority and Gender, 2003 – 2005

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Choiseul Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005

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Choiseul Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005

Guadalcanal Province

Several Education Authorities operate schools in Guadalcanal: the Church of Melanesia, the Guadalcanal Provincial Government, the Roman Catholic Church, the Seventh Day Adventist Church and the South Seas Evangelical Church.

Guadalcanal Province Number of Schools by School Type and Education Authority, 2003 – 2005

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Guadalcanal Province Chart of Schools by School Type, 2003 - 2005.

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Guadalcanal Province Enrolments by School Type, Education Authority and Gender, 2003 – 2005.

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Guadalcanal Province Enrolments by Sector, Education Authority and Gender, 2003 - 2005.

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Guadalcanal Province Proportion of ECE Enrolments by Education Authority, 2005.

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Guadalcanal Province Proportion of Primary Enrolments by Education Authority, 2005.

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Guadalcanal Province Proportion of Secondary Enrolments by Education Authority, 2005.

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Guadalcanal Province Number of Teachers by School Type, Education Authority and Gender, 2003 – 2005.

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Guadalcanal Province Number of Teachers by Sector, Education Authority and Gender, 2003 - 2005.

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Guadalcanal Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Guadalcanal Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

Honiara

Several Government, Church and Private Education Authorities operate in Honiara.

Honiara Number of Schools by School Type and Education Authority, 2003 - 2005

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Honiara Enrolments by School Type, Education Authority and Gender, 2003 - 2005.

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Honiara Enrolments by Sector, Education Authority and Gender, 2003 - 2005.

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Honiara Number of Teachers by School Type, Education Authority and Gender, 2003 - 2005.

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Honiara Number of Teachers by Sector, Education Authority and Gender, 2003 - 2005.

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Honiara Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Honiara Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

Isabel Province

Two Education Authorities operate schools in Isabel Province: Isabel Provincial Government and the Seventh Day Adventist Church.

Isabel Province Number of Schools by School Type and Education Authority, 2003 – 2005 Error! Not a valid link.

Isabel Province Chart of Schools by School Type, 2003 - 2005.

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Isabel Province Enrolments by School Type, Education Authority and Gender, 2003 - 2005.

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Isabel Province Enrolments by Sector, Education Authority and Gender, 2003 - 2005.

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Isabel Province Number of Teachers by School Type, Education Authority and Gender, 2003 – 2005.

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Isabel Province Proportion of ECE Enrolments by Education Authority, 2005.

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Isabel Province Proportion of Primary Enrolments by Education Authority, 2005.

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Isabel Province Proportion of Secondary Enrolments by Education Authority, 2005.

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Isabel Province Number of Teachers by Sector, Education Authority and Gender, 2003 - 2005.

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Isabel Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Isabel Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

Makira and Ulawa Province

Several Education Authorities operate schools in Makira and Ulawa Province: The Church of Melanesia, the Makira and Ulawa Provincial Government, The Ministry of Education and Human Resources, the Seventh Day Adventist Church and the South Seas Evangelical Church.

Number of Schools by School Type and Education Authority, 2003 - 2005

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Makira and Ulawa Province Chart of Schools by School Type 2003 - 2005.

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Makira and Ulawa Province Enrolments by School Type, Education Authority and Gender, 2003 - 2005.

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Makira and Ulawa Province Enrolments by Sector, Education Authority and Gender, 2003 – 2005.

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Makira & Ulawa Province Proportion of ECE Enrolments by Education Authority, 2005.

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Makira & Ulawa Province Proportion of Primary Enrolments by Education Authority, 2005.

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Makira & Ulawa Province Proportion of Secondary Enrolments by Education Authority, 2005.

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Makira and Ulawa Province Number of Teachers by School Type, Education Authority and Gender, 2003 - 2005.

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Makira and Ulawa Province Number of Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Makira and Ulawa Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Makira and Ulawa Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

Malaita Province

Four Education Authorities operate schools in Malaita: Church of Melanesia, Malaita Provincial Government, the Seventh Day Adventist Church and the South Seas Evangelical Church.

Malaita Province Number of Schools by School Type and Education Authority, 2003 – 2005 Error! Not a valid link.

Malaita Province Chart of Schools By School Type, 2003 - 2005.

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Malaita Province Enrolments by School Type, Education Authority and Gender, 2003 - 2005.

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Malaita Province Enrolments by Sector, Education Authority and Gender, 2003 - 2005.

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Malaita Province Proportion of ECE Enrolments by Education Authority, 2005.

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Malaita Province Proportion of Primary Enrolments by Education Authority, 2005.

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Malaita Province Proportion of Secondary Enrolments by Education Authority, 2005.

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Malaita Province Number of Teachers by School Type, Education Authority and Gender, 2003 – 2005.

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Malaita Province Number of Teachers by Sector, Education Authority and Gender, 2003 - 2005.

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Malaita Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Malaita Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

Rennell and Bellona Province

Three Education Authorities operate schools in Renell and Bellona Province: Rennell and Bellona Provincial Government, the Seventh Day Adventist Church and the South Seas Evangelical Church.

Rennell and Bellona Province Number of Schools by School Type and Education Authority, 2003 - 2005

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Rennell and Bellona Province Chart of Schools By School Type, 2003 - 2005.

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Rennell and Bellona Province Enrolments by School Type, Education Authority and Gender, 2003 – 2005.

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Rennell and Bellona Province Enrolments by Sector, Education Authority and Gender, 2003 - 2005.

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Rennell and Bellona Province Proportion of ECE Enrolments by Education Authority, 2005.

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Rennell and Bellona Province Proportion of Primary Enrolments by Education Authority, 2005.

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Rennell and Bellona Province Proportion of Secondary Enrolments by Education Authority, 2005.

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Rennell and Bellona Province Number of Teachers by School Type, Education Authority and Gender, 2003 - 2005.

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Rennell and Bellona Province Number of Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Rennell and Bellona Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Rennell and Bellona Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

Temotu Province

The Temotu Provincial Government is the only Education Authority operating schools in Temotu Province.

Temotu Province Number of Schools by School Type and Education Authority, 2003 – 2005 Error! Not a valid link.

Temotu Province Chart of Enrolments by School Type, 2003 - 2005.

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Temotu Province Enrolments by School Type, Education Authority and Gender, 2003 - 2005.

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Temotu Province Enrolments by Sector, Education Authority and Gender, 2003 - 2005.

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Temotu Province Number of Teachers by School Type, Education Authority and Gender, 2003 – 2005.

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Temotu Province Number of Teachers by Sector, Education Authority and Gender, 2003 - 2005.

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Temotu Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Temotu Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

Western Province

Several Education Authorities operate schools in Western Province: The Roman Catholic Church, the Seventh Day Adventist Church, the United Church, the Western Province Government and the Christian Fellowship Church.

Western Province Number of Schools by School Type and Education Authority, 2003 – 2005

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Western Province Chart of Schools by School Type, 2003 – 2005.

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Western Province Enrolments by School Type, Education Authority and Gender, 2003 - 2005.

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Western Province Enrolments by Sector, Education Authority and Gender, 2003 - 2005.

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Western Province Proportion of ECE Enrolments by Education Authority, 2005.

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Western Province Proportion of Primary Enrolments by Education Authority, 2005.

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Western Province Proportion of Secondary Enrolments by Education Authority, 2005. Error! Not a valid link.

Western Province Number of Teachers by School Type, Education Authority and Gender, 2003 – 2005.

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Western Province Number of Teachers by Sector, Education Authority and Gender, 2003 - 2005.

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Western Province Percentage of Certified Teachers by Sector, Education Authority and Gender, 2003 – 2005.

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Western Province Percentage of Qualified Teachers by Sector, Education Authority and Gender, 2003 – 2005.